



The University of Texas at Austin

WHAT STARTS HERE CHANGES THE WORLD

The University of  
**Texas**  
at Austin

Undergraduate Catalog  
2022-2024



The University of Texas at Austin  
Office of the Registrar

# Table of Contents

Undergraduate Catalog 2022-2024 .....	8	Bachelor of Architecture/Bachelor of Science in Architectural Engineering Dual Degree Program .....	36
Introduction .....	8	Suggested Arrangement of Courses, Architecture/ Architectural Engineering (BArch/BSArchE) .....	37
Officers of the Administration .....	8	Bachelor of Architecture/Bachelor of Arts, Plan II Dual Degree Program .....	38
Board of Regents .....	9	Suggested Arrangement of Courses, Architecture/Plan II Honors (BArch/BA) .....	39
Directory of Offices .....	9	Bachelor of Science in Architectural Studies .....	39
The University .....	10	Suggested Arrangement of Courses, Architectural Studies (BSAS) .....	40
Organization of the University .....	10	Minor and Certificate Programs .....	41
Undergraduate Degrees .....	11	Courses, School of Architecture .....	43
Degree Programs .....	11	School of Architecture Faculty .....	43
Simultaneous Majors .....	14	Red McCombs School of Business .....	46
Interdisciplinary Opportunities .....	14	General Information .....	46
Minor and Certificate Programs .....	14	Admission and Registration .....	48
Preparation for Health Professions .....	17	Academic Policies and Procedures .....	49
Preparation for Law .....	17	Graduation .....	50
Preparation for Teacher Certification .....	18	Degrees and Programs .....	50
Coursework in the Graduate School and the School of Law .....	19	Bachelor of Business Administration .....	51
Honors .....	20	Accounting .....	52
Academic Advising .....	20	Suggested Arrangement of Courses, Accounting (BBA) .....	54
Graduation .....	20	Business Analytics .....	54
General Requirements .....	20	Suggested Arrangement of Courses, Business Analytics (BBA) .....	55
Graduation Under a Particular Catalog .....	21	Canfield Business Honors Program .....	55
School of Undergraduate Studies .....	22	Suggested Arrangement of Courses, Business Administration, Honors track (BBA) .....	58
General Information .....	22	Finance .....	59
Admission and Registration .....	22	Suggested Arrangement of Courses, Finance (BBA) .....	60
Academic Policies and Procedures .....	23	International Business .....	60
Degrees and Programs .....	25	Suggested Arrangement of Courses, International Business (BBA) .....	61
Minor and Certificate Programs .....	25	Management .....	62
Programs and Centers .....	26	Suggested Arrangement of Courses, Management (BBA) .....	63
Courses, School of Undergraduate Studies .....	28	Management Information Systems .....	63
School of Architecture .....	28	Suggested Arrangement of Courses, Management Information Systems (BBA) .....	63
General Information .....	28	Marketing .....	64
Admission and Registration .....	31	Suggested Arrangement of Courses, Marketing (BBA) .....	64
Academic Policies and Procedures .....	32	Supply Chain Management .....	65
Graduation .....	33	Suggested Arrangement of Courses, Supply Chain Management (BBA) .....	65
Degrees and Programs .....	33		
Bachelor of Science in Interior Design .....	34		
Suggested Arrangement of Courses, Interior Design (BSID) .....	34		
Bachelor of Architecture .....	35		
Suggested Arrangement of Courses, Architecture (BArch) .....	35		

Minor and Certificate Programs .....	66	Courses, Department of Speech, Language, and Hearing Sciences .....	116
Courses, Red McCombs School of Business .....	82	Moody College of Communication Faculty .....	116
Courses, Department of Accounting .....	82	College of Education .....	123
Courses, Department of Finance .....	82	General Information .....	123
Courses, Department of Business, Government and Society .....	82	Admission and Registration .....	124
Courses, Department of Information, Risk, and Operations Management .....	82	Academic Policies and Procedures .....	125
Courses, Department of Management .....	82	Graduation .....	125
Courses, Department of Marketing .....	82	Degrees and Programs .....	125
Red McCombs School of Business Faculty .....	82	Bachelor of Science in Athletic Training .....	126
Moody College of Communication .....	93	Suggested Arrangement of Courses, Athletic Training (BSAthTrng) .....	127
General Information .....	93	Bachelor of Science in Education .....	127
Admission and Registration .....	93	Suggested Arrangement of Courses, Education (BSEd) .....	129
Academic Policies and Procedures .....	94	Suggested Arrangement of Courses, Youth and community Studies (BSEd) .....	130
Graduation .....	94	Bachelor of Science in Kinesiology and Health .....	130
Degrees and Programs .....	95	Suggested Arrangement of Courses, Applied Movement Science (BSKin&Health) .....	133
Bachelor of Science in Advertising .....	95	Suggested Arrangement of Courses, Exercise Science (BSKin&Health) .....	134
Suggested Arrangement of Courses, Advertising (BSAdv) .....	97	Suggested Arrangement of Courses, Health Promotion and Behavioral Science (BSKin&Health) .....	134
Bachelor of Science in Communication and Leadership .....	97	Suggested Arrangement of Courses, Physical Culture and Sports (BSKin&Health) .....	135
Suggested Arrangement of Courses, Communication and Leadership (BSComm&Lead) .....	98	Suggested Arrangement of Courses, Sport Management (BSKin&Health) .....	135
Bachelor of Science in Communication Studies .....	99	Minor and Certificate Programs .....	136
Suggested Arrangement of Courses, Communication Studies (BSCommStds) .....	101	Courses, College of Education .....	137
Bachelor of Journalism .....	101	Courses, Department of Curriculum and Instruction .....	137
Suggested Arrangement of Courses, Journalism (BJ) .....	103	Courses, Department of Educational Leadership and Policy .....	137
Bachelor of Science in Public Relations .....	103	Courses, Department of Educational Psychology .....	137
Suggested Arrangement of Courses, Public Relations (BSPR) .....	104	Courses, Department of Kinesiology and Health Education .....	137
Bachelor of Science in Radio-Television-Film .....	105	Courses, Science Education Center .....	137
Suggested Arrangement of Courses, Radio-Television-Film (BSRTF) .....	106	Courses, Department of Special Education .....	137
Bachelor of Science in Speech, Language, and Hearing Sciences .....	107	College of Education Faculty .....	137
Suggested Arrangement of Courses, Speech, Language, and Hearing Sciences (BSSLH) .....	108	Cockrell School of Engineering .....	145
Minor and Certificate Programs .....	109	General Information .....	145
Courses, Moody College of Communication .....	116	Admission and Registration .....	149
Courses, Stan Richards School of Advertising and Public Relations .....	116	Academic Policies and Procedures .....	150
Courses, Department of Communication Studies .....	116	Graduation .....	152
Courses, School of Journalism and Media .....	116	Degrees and Programs .....	153
Courses, Department of Radio-Television-Film .....	116	Bachelor of Science in Aerospace Engineering .....	156
		Suggested Arrangement of Courses, Aerospace Engineering (BSAsE) .....	158

Bachelor of Science in Architectural Engineering .....	159	Admission and Registration .....	215
Suggested Arrangement of Courses, Architectural Engineering (BSArchE) .....	161	Academic Policies and Procedures .....	216
Bachelor of Science in Biomedical Engineering .....	162	Graduation .....	218
Suggested Arrangement of Courses, Biomedical Engineering (BSBiomedE) .....	167	Degrees and Programs .....	219
Bachelor of Science in Chemical Engineering .....	167	Bachelor of Fine Arts .....	223
Suggested Arrangement of Courses, Chemical Engineering (BSChE) .....	171	Suggested Arrangement of Courses, Acting (BFA) ...	225
Bachelor of Science in Civil Engineering .....	172	Suggested Arrangement of Courses, Art Education (BFA) .....	226
Suggested Arrangement of Courses, Civil Engineering (BSCE) .....	174	Suggested Arrangement of Courses, Dance (BFA) ....	227
Bachelor of Science in Computational Engineering .....	174	Suggested Arrangement of Courses, Design (BFA) .....	227
Suggested Arrangement of Courses, Computational Engineering (BSCompE) .....	176	Suggested Arrangement of Courses, Studio Art (BFA) .....	228
Bachelor of Science in Electrical and Computer Engineering .....	177	Suggested Arrangement of Courses, Theatre Education (BFA) .....	228
Suggested Arrangement of Courses, Electrical and Computer Engineering (BSECE) .....	184	Bachelor of Music .....	229
Bachelor of Science in Environmental Engineering .....	184	Suggested Arrangement of Courses, Composition (BMusic) .....	232
Suggested Arrangement of Courses, Environmental Engineering (BSEnvE) .....	186	Suggested Arrangement of Courses, Jazz (BMusic) .....	233
Bachelor of Science in Geosystems Engineering and Hydrogeology .....	187	Suggested Arrangement of Courses, Music Performance (BMusic) .....	234
Suggested Arrangement of Courses, Geosystems Engineering and Hydrogeology (BSGEH) .....	188	Suggested Arrangement of Courses, Music Studies (BMusic) .....	234
Bachelor of Science in Mechanical Engineering .....	189	Bachelor of Arts .....	235
Suggested Arrangement of Courses, Mechanical Engineering (BSME) .....	192	Suggested Arrangement of Courses, Art History (BA) .....	236
Bachelor of Science in Petroleum Engineering .....	192	Suggested Arrangement of Courses, Design (BA) ....	237
Suggested Arrangement of Courses, Petroleum Engineering (BSPE) .....	194	Suggested Arrangement of Courses, Studio Art (BA) .....	237
Minor and Certificate Programs .....	194	Bachelor of Arts in Theatre and Dance .....	238
Courses, Cockrell School of Engineering .....	198	Suggested Arrangement of Courses, Theatre and Dance (BATD) .....	239
Courses, Department of Aerospace Engineering and Engineering Mechanics .....	198	Bachelor of Arts in Music .....	239
Courses, Department of Biomedical Engineering .....	198	Suggested Arrangement of Courses, Music (BAMusic) .....	240
Courses, John J. McKetta Jr. Department of Chemical Engineering .....	198	Bachelor of Science in Arts and Entertainment Technologies .....	241
Courses, Department of Civil, Architectural, and Environmental Engineering .....	199	Suggested Arrangement of Courses, Arts and Entertainment Technologies (BSAET) .....	241
Courses, Department of Electrical and Computer Engineering .....	199	Minor and Certificate Programs .....	242
Courses, J. Mike Walker Department of Mechanical Engineering .....	199	Courses, College of Fine Arts .....	242
Courses, Hildebrand Department of Petroleum and Geosystems Engineering .....	199	Courses, Department of Art and Art History .....	242
Cockrell School of Engineering Faculty .....	199	Courses, Department of Theatre and Dance .....	243
College of Fine Arts .....	213	Courses, Sarah and Ernest Butler School of Music .....	243
General Information .....	213	Courses, School of Design and Creative Technologies ....	243
		College of Fine Arts Faculty .....	243
		John A. and Katherine G. Jackson School of Geosciences .....	252

General Information .....	252	Academic Policies and Procedures .....	286
Admission and Registration .....	253	Graduation .....	293
Academic Policies and Procedures .....	255	Degrees and Programs .....	293
Graduation .....	257	Bachelor of Arts, Plan I .....	297
Degrees and Programs .....	257	African and African Diaspora Studies .....	299
Bachelor of Arts in Geological Sciences .....	259	Suggested Arrangement of Courses, African and	
Suggested Arrangement of Courses, Geological		African Diaspora Studies (BA) .....	299
Sciences (BAGeoSci) .....	260	American Studies .....	300
Bachelor of Science in Environmental Science .....	260	Suggested Arrangement of Courses, American	
Suggested Arrangement of Courses, Geological		Studies (BA) .....	300
Sciences (BSEnvirSci) .....	262	Anthropology .....	300
Bachelor of Science in Geological Sciences .....	262	Suggested Arrangement of Courses, Anthropology	
Suggested Arrangement of Courses, General Geology		(BA) .....	300
(BSGeoSci) .....	264	Asian American Studies .....	301
Suggested Arrangement of Courses, Geological		Asian Cultures and Languages .....	301
Sciences (BSGeoSci) .....	265	Suggested Arrangement of Courses, Asian Cultures	
Suggested Arrangement of Courses, Geophysics		and Languages (BA) .....	302
(BSGeoSci) .....	266	Asian Studies .....	302
Suggested Arrangement of Courses, Hydrogeology		Suggested Arrangement of Courses, Asian Studies	
(BSGeoSci) .....	266	(BA) .....	303
Bachelor of Science in Geosystems Engineering and		Classical Languages .....	303
Hydrogeology .....	267	Suggested Arrangement of Courses, Classical	
Suggested Arrangement of Courses, Geosystems		Languages (BA) .....	304
Engineering and Hydrogeology (BSGEH) .....	269	Classical Studies .....	304
Minor and Certificate Programs .....	269	Suggested Arrangement of Courses, Classical	
Courses, John A. and Katherine G. Jackson School of		Studies (BA) .....	305
Geosciences .....	271	Economics .....	305
Courses, Department of Geological Sciences .....	271	Suggested Arrangement of Courses, Economics	
John A. and Katherine G. Jackson School of Geosciences		(BA) .....	305
Faculty .....	271	English .....	306
School of Information .....	273	Suggested Arrangement of Courses, English (BA)	
General Information .....	273	.....	306
Admission and Registration .....	275	Ethnic Studies .....	307
Academic Policies and Procedures .....	275	Suggested Arrangement of Courses, Ethnic Studies	
Graduation .....	275	(BA) .....	307
Degrees and Programs .....	276	European Studies .....	308
Bachelor of Arts .....	277	Suggested Arrangement of Courses, European	
Suggested Arrangement of Courses, Informatics (BA)		Studies (BA) .....	309
.....	278	French Studies .....	309
Bachelor of Science in Informatics .....	279	Suggested Arrangement of Courses, French Studies	
Suggested Arrangement of Courses, Informatics (BSI)		(BA) .....	309
.....	280	Geography .....	310
Minor and Certificate Programs .....	280	Suggested Arrangement of Courses, Geography	
Courses, School of Information .....	281	(BA) .....	310
School of Information Faculty .....	281	German .....	311
College of Liberal Arts .....	283	Suggested Arrangement of Courses, German (BA)	
General Information .....	283	.....	311
Admission and Registration .....	284	Government .....	312

Suggested Arrangement of Courses, Government (BA) .....	312	Suggested Arrangement of Courses, Religious Studies (BA) .....	328
Health and Society .....	313	Rhetoric and Writing .....	328
Suggested Arrangement of Courses, Health and Society (BA) .....	313	Suggested Arrangement of Courses, Rhetoric and Writing (BA) .....	329
History .....	314	Russian, East European, and Eurasian Studies .....	329
Suggested Arrangement of Courses, History (BA) .....	314	Suggested Arrangement of Courses, Russian, East European, and Eurasian Studies (BA) .....	329
Human Dimensions of Organizations .....	314	Sociology .....	330
Suggested Arrangement of Courses, Human Dimensions of Organizations (BA) .....	315	Suggested Arrangement of Courses, Sociology (BA) .....	330
Humanities .....	315	Spanish .....	331
Suggested Arrangement of Courses, Humanities (BA) .....	315	Suggested Arrangement of Courses, Spanish (BA) .....	331
International Relations and Global Studies .....	316	Sustainability Studies .....	332
Suggested Arrangement of Courses, International Relations and Global Studies (BA) .....	317	Suggested Arrangement of Courses, Sustainability Studies (BA) .....	332
Italian Studies .....	317	Urban Studies .....	332
Suggested Arrangement of Courses, Italian Studies (BA) .....	317	Suggested Arrangement of Courses, Urban Studies (BA) .....	333
Jewish Studies .....	318	Women's and Gender Studies .....	333
Suggested Arrangement of Courses, Jewish Studies (BA) .....	318	Suggested Arrangement of Courses, Women's and Gender Studies (BA) .....	334
Latin American Studies .....	319	Bachelor of Arts, Plan II .....	334
Suggested Arrangement of Courses, Latin American Studies (BA) .....	319	Suggested Arrangement of Courses, Plan II Honors Program (BA) .....	338
Linguistics .....	320	Bachelor of Science in Economics .....	338
Suggested Arrangement of Courses, Linguistics (BA) .....	320	Suggested Arrangement of Courses, Economics (BSECO) .....	340
Mexican American and Latina/o Studies .....	320	Bachelor of Science in Environmental Science .....	340
Suggested Arrangement of Courses, Mexican American and Latina/o Studies (BA) .....	320	Suggested Arrangement of Courses, Geographical Sciences (BSEnvirSci) .....	342
Middle Eastern Studies .....	321	Bachelor of Science in Psychology .....	342
Suggested Arrangement of Courses, Middle Eastern Studies (BA) .....	321	Suggested Arrangement of Courses, Psychology (BSPsy) .....	344
Philosophy .....	322	Minor and Certificate Programs .....	345
Suggested Arrangement of Courses, Philosophy (BA) .....	322	Courses, College of Liberal Arts .....	360
Portuguese .....	323	Courses, Department of African and African Diaspora Studies .....	360
Suggested Arrangement of Courses, Portuguese (BA) .....	323	Courses, Department of American Studies .....	360
Psychology .....	323	Courses, Department of Anthropology .....	360
Suggested Arrangement of Courses, Psychology (BA) .....	324	Courses, Department of Asian Studies .....	360
Race, Indigeneity, and Migration .....	324	Courses, Department of Classics .....	360
Suggested Arrangement of Courses, Race, Indigeneity, and Migration (BA) .....	325	Courses, Program in Comparative Literature .....	360
Religious Studies .....	325	Courses, Américo Paredes Center for Cultural Studies ....	360
		Courses, Department of Economics .....	360
		Courses, Department of English .....	360
		Courses, Center for Asian American Studies .....	360

Courses, Center for European Studies .....	361	Physics .....	406
Courses, Department of French and Italian .....	361	Suggested Arrangement of Courses, Physics (BA)	406
Courses, Department of Geography and the Environment	361	Bachelor of Science and Arts .....	407
.....	361	Astronomy .....	408
Courses, Department of Germanic Studies .....	361	Suggested Arrangement of Courses, Astronomy	408
Courses, Department of Government .....	361	(BSA) .....	408
Courses, Department of History .....	361	Biology .....	408
Courses, Schusterman Center for Jewish Studies .....	361	Suggested Arrangement of Courses, Biology (BSA)	409
Courses, Teresa Lozano Long Institute of Latin American	361	.....	409
Studies .....	361	Chemistry .....	409
Courses, Department of Linguistics .....	361	Suggested Arrangement of Courses, Chemistry	410
Courses, Department of Mexican American and Latina/o	361	(BSA) .....	410
Studies .....	361	Computer Science .....	410
Courses, Center for Middle Eastern Studies .....	361	Suggested Arrangement of Courses, Computer	411
Courses, Department of Middle Eastern Studies .....	361	Science (BSA) .....	411
Courses, Department of Philosophy .....	361	Human Development and Family Sciences .....	411
Courses, Plan II Honors Program .....	361	Suggested Arrangement of Courses, Human	411
Courses, Department of Psychology .....	361	Development and Family Sciences (BSA) .....	411
Courses, Department of Religious Studies .....	361	Human Ecology .....	412
Courses, Department of Rhetoric and Writing .....	362	Suggested Arrangement of Courses, Human	412
Courses, Department of Air Force Science .....	362	Ecology (BSA) .....	412
Courses, Department of Military Science .....	362	Mathematics .....	413
Courses, Department of Naval Science .....	362	Suggested Arrangement of Courses, Mathematics	413
Courses, Center for Russian, East European, and Eurasian	362	(BSA) .....	413
Studies .....	362	Neuroscience .....	414
Courses, Department of Slavic and Eurasian Studies .....	362	Suggested Arrangement of Courses, Neuroscience	414
Courses, Department of Sociology .....	362	(BSA) .....	414
Courses, Department of Spanish and Portuguese .....	362	Nutrition .....	415
Courses, Center for Women's and Gender Studies .....	362	Suggested Arrangement of Courses, Nutrition (BSA)	415
College of Liberal Arts Faculty .....	362	.....	415
College of Natural Sciences .....	389	Physics .....	415
General Information .....	389	Suggested Arrangement of Courses, Physics (BSA)	415
Admission and Registration .....	391	.....	415
Academic Policies and Procedures .....	394	Bachelor of Science in Astronomy .....	416
Graduation .....	398	Suggested Arrangement of Courses, Astronomy (BSAst)	417
Degrees and Programs .....	399	.....	417
Bachelor of Arts, Plan I .....	401	Bachelor of Science in Biochemistry .....	418
Astronomy .....	403	Suggested Arrangement of Courses, Biochemistry	419
Suggested Arrangement of Courses, Astronomy	403	(BSBioch) .....	419
(BA) .....	403	Bachelor of Science in Biology .....	419
Chemistry .....	403	Suggested Arrangement of Courses, Biology (BSBio)	422
Suggested Arrangement of Courses, Chemistry (BA)	404	.....	422
.....	404	Bachelor of Science in Chemistry .....	423
Mathematics .....	404	Suggested Arrangement of Courses, Chemistry (BSCh)	425
Suggested Arrangement of Courses, Mathematics	405	.....	425
(BA) .....	405	Bachelor of Science in Computer Science .....	425
		Suggested Arrangement of Courses, Computer Science	429
		(BSCompSci) .....	429

Bachelor of Science in Environmental Science .....	430	Admission and Registration .....	487
Suggested Arrangement of Courses, Biological Sciences (BSEnvirSci) .....	431	Academic Policies and Procedures .....	488
Bachelor of Science in Human Development and Family Sciences .....	432	Graduation .....	490
Suggested Arrangement of Courses, Human Development and Family Sciences (BSHDFS) .....	433	Degrees and Programs .....	490
Bachelor of Science in Mathematics .....	434	Bachelor of Science in Nursing .....	491
Suggested Arrangement of Courses, Mathematics (BSMath) .....	436	Suggested Arrangement of Courses, Nursing (BSN) .....	491
Bachelor of Science in Medical Laboratory Science .....	437	Courses, School of Nursing .....	492
Suggested Arrangement of Courses, Medical Laboratory Science (BSMedLabSci) .....	438	School of Nursing Faculty .....	492
Bachelor of Science in Neuroscience .....	439	College of Pharmacy .....	495
Suggested Arrangement of Courses, Neuroscience (BSNeurosci) .....	440	General Information .....	495
Bachelor of Science in Nutrition .....	441	Admission and Registration .....	500
Suggested Arrangement of Courses, Nutrition (BSNtr) .....	443	Academic Policies and Procedures .....	502
Bachelor of Science in Physics .....	443	Graduation .....	505
Suggested Arrangement of Courses, Physics (BSPHy) .....	446	Degrees and Programs .....	505
Bachelor of Science in Public Health .....	446	Suggested Arrangement of Courses, Pharmacy (PharmD), Preprofessional and Professional Coursework .....	506
Suggested Arrangement of Courses, Public Health (BSPublichealth) .....	448	Courses, College of Pharmacy .....	507
Bachelor of Science in Statistics and Data Science .....	449	College of Pharmacy Faculty .....	507
Suggested Arrangement of Courses, Statistics and Data Science (BSSDS) .....	449	Steve Hicks School of Social Work .....	516
Bachelor of Science in Textiles and Apparel .....	450	General Information .....	516
Suggested Arrangement of Courses, Textiles and Apparel (BSTA) .....	451	Admission and Registration .....	518
Minor and Certificate Programs .....	451	Academic Policies and Procedures .....	520
Courses, College of Natural Sciences .....	462	Graduation .....	520
Courses, Department of Astronomy .....	462	Degrees and Programs .....	521
Courses, Biology Instruction Office .....	462	Bachelor of Social Work .....	521
Courses, Department of Chemistry .....	462	Suggested Arrangement of Courses, Social Work (BSW) .....	523
Courses, Department of Computer Science .....	463	Minor and Certificate Programs .....	524
Courses, School of Human Ecology .....	463	Courses, Steve Hicks School of Social Work .....	525
Courses, Department of Marine Science .....	463	Steve Hicks School of Social Work Faculty .....	525
Courses, Department of Mathematics .....	463	Non-Undergraduate Schools and Programs .....	528
Courses, Department of Molecular Biosciences .....	463	Lyndon B. Johnson School of Public Affairs .....	528
Courses, Department of Physics .....	463	Courses, Lyndon B. Johnson School of Public Affairs .....	528
Courses, Department of Statistics and Data Sciences ....	463	Lyndon B. Johnson School of Public Affairs Faculty .....	528
Courses, Department of Neuroscience .....	463	English as a Second Language .....	530
College of Natural Sciences Faculty .....	463	Courses, English as a Second Language .....	531
School of Nursing .....	486	Appendix A: Texas Common Course Numbering System .....	531
General Information .....	486	Appendix B: Course Abbreviations .....	531
		Undergraduate Catalog A-Z Index .....	531
		Index .....	532



# Undergraduate Catalog 2022-2024

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- [Introduction](#) (p. 8)
- [The University](#) (p. 10)
- [School of Undergraduate Studies](#) (p. 22)
- [School of Architecture](#) (p. 28)
- [Red McCombs School of Business](#) (p. 46)
- [Moody College of Communication](#) (p. 93)
- [College of Education](#) (p. 123)
- [Cockrell School of Engineering](#) (p. 145)
- [College of Fine Arts](#) (p. 213)
- [John A. and Katherine G. Jackson School of Geosciences](#) (p. 252)
- [School of Information](#) (p. 273)
- [College of Liberal Arts](#) (p. 283)
- [College of Natural Sciences](#) (p. 389)
- [School of Nursing](#) (p. 486)
- [College of Pharmacy](#) (p. 495)
- [Steve Hicks School of Social Work](#) (p. 516)
- [Non-Undergraduate Schools and Programs](#) (p. 528)
- [Appendix A: Texas Common Course Numbering System](#) (p. 531)
- [Appendix B: Course Abbreviations](#) (p. 531)
- [Undergraduate Catalog A-Z Index](#) (p. 531)

## Introduction

*The benefits of education and of useful knowledge, generally diffused through a community, are essential to the preservation of a free government.*

**Sam Houston**

*Cultivated mind is the guardian genius of Democracy, and while guided and controlled by virtue, the noblest attribute of man. It is the only dictator that freemen acknowledge, and the only security which freemen desire.*

**Mirabeau B. Lamar**

*Where liberty has arisen, learning must be cherished—or liberty itself becomes a fragile thing.*

**Lyndon B. Johnson**

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## Mission of the University

*The mission of The University of Texas at Austin is to achieve excellence in the interrelated areas of undergraduate education, graduate education, research, and public service.*

*The University provides superior and comprehensive educational opportunities at the baccalaureate through doctoral and special professional educational levels. It contributes to the advancement of society through research, creative activity, scholarly inquiry, and the development and dissemination of new knowledge, including the commercialization of University discoveries. The University preserves and promotes the arts, benefits the state's economy, serves the citizens through public programs, and provides other public service.*

## Officers of the Administration

### The University of Texas at Austin

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Sharon Wood, PhD, *Executive Vice President and Provost*

Darrell L. Bazzell, BA, *Senior Vice President and Chief Financial Officer*

Scott Rabenold, MBA, *Vice President for Development*

LaToya C. Smith, PhD, *Vice President for Campus and Community Engagement*

James Davis, JD, *Vice President for Legal Affairs and Business Strategies*

Martin Harris, MD, MBA, *Interim Vice President for Medical Affairs*

Daniel T. Jaffe, PhD, *Vice President for Research*

Soncia Reagins-Lilly, EdD, *Vice President for Student Affairs and Dean of Students*

Christopher M. Del Conte, MEd, *Vice President and Athletics Director*

Emily Reagan, MBA, *Vice President and Chief Marketing and Communications Officer*

Nancy A. Brazzil, BS, *Deputy to the President*

Richard R. Flores, PhD, *Deputy to the President for Academic Priorities*

Janet H. Huang, MBA, *Deputy to the President for Transformation Strategies*

Andrea Sheridan, BS, *Deputy to the President for Governmental Affairs and Initiatives*

Jeffery L. Graves, JD, *Chief Compliance Officer*

Sandy Jansen, BBA, *Chief Audit Executive*

## Administrative Officers of the Colleges and Schools

Mark J.T. Smith, PhD, *Senior Vice Provost for Academic Affairs and Dean, Graduate School*

D. Michelle Addington, DDes, *Dean, School of Architecture*

Lillian F. Mills, PhD, *Dean, Red McCombs School of Business*

Jay M. Bernhardt, PhD, MPH, *Dean, Moody College of Communication*

Charles R. Martinez, Jr., PhD, *Dean, College of Education*

Roger T. Bonnetcaze, PhD, PE, *Dean, Cockrell School of Engineering*

Ramón Rivera-Servera, PhD, *Dean, College of Fine Arts*

Claudia I. Mora, PhD, *Dean, John A. and Katherine G. Jackson School of Geosciences*

Eric T. Meyer, PhD, *Dean, School of Information*

Robert M. Chesney, *Dean, School of Law*

Ann Huff Stevens, PhD, *Dean, College of Liberal Arts*

George A. Macones, MD, MSCE, *Interim Dean, Dell Medical School*

David A. Vanden Bout, PhD, *Dean, College of Natural Sciences*

Alexa K. Stuijbergen, PhD, RN, FAAN, *Dean, School of Nursing*

Samuel M. Poloyac, PharmD, PhD, *Dean, College of Pharmacy*

J.R. DeShazo, PhD, *Dean, Lyndon B. Johnson School of Public Affairs*

Allan H. Cole, Jr., PhD, *Dean, Steve Hicks School of Social Work*

Richard J. Reddick, EdD, *Senior Vice Provost for Curriculum and Enrollment of the the School of Undergraduate Studies*

## The University of Texas System

James B. Milliken, JD, *Chancellor*

Archie L. Holmes Jr., PhD, *Executive Vice Chancellor for Academic Affairs*

Jonathan Pruitt, MPA, *Executive Vice Chancellor for Business Affairs*

John M. Zerwas, MD, *Executive Vice Chancellor for Health Affairs*

Daniel H. Sharphorn, JD, *Vice Chancellor and General Counsel*

Stacey Napier, JD, *Vice Chancellor for Governmental Relations*

Randa S. Safady, PhD, *Vice Chancellor for External Relations, Communications, and Advancement Services*

Amy Shaw Thomas, JD, *Senior Vice Chancellor for Health Affairs*

David L. Lakey, MD, *Vice Chancellor for Health Affairs and Chief Medical Officer*

# Board of Regents

## Officers

Kevin P. Eltife, *Chairman*  
Janiece M. Longoria, *Vice Chairman*  
James C. "Rad" Weaver, *Vice Chairman*  
Francie A. Frederick, *General Counsel to the Board of Regents*

## Members

### Terms scheduled to expire February 1, 2023

R. Steven Hicks, Austin  
Janiece M. Longoria, Houston  
James C. "Rad" Weaver, San Antonio

### Terms scheduled to expire February 1, 2025

Christina M. Crain, Dallas  
Jodie Lee Jiles, Houston  
Kelcy L. Warren, Dallas

### Terms scheduled to expire February 1, 2027

Kevin P. Eltife, Tyler  
Nolan E. Perez, M.D., Harlingen  
Stuart W. Stedman, Houston

### Student Regent with term to expire May 31, 2023

Neelesh C. "Neel" Mutyala, The University of Texas Health Science Center at Houston

Each Regent's term expires when a successor has been appointed and qualified and has taken the oath of office. The Student Regent serves a one-year term.

# Directory of Offices

The following list includes some University offices of general interest. A complete directory of offices on campus is published at <https://www.utexas.edu/offices>.

## Academic Calendar

The academic calendar is published The University of Texas at Austin, Office of the Registrar, PO Box 7216, Austin TX 78713-7216  
in General Information and at <http://registrar.utexas.edu/calendars>

## Admission

Admissions Welcome Center The University of Texas at Austin, Office of Admissions, PO Box 8058, Austin TX 78713-8058  
at Perry-Castañeda Library, (512) 471-1000 <http://admissions.utexas.edu>

## Catalogs and Course Schedules

Catalogs and Course Schedules are published at the registrar's website, <http://registrar.utexas.edu>

## Housing

Residence halls: (512) 471-3136, The University of Texas at Austin, University Housing and Dining, PO Box 7666, Austin TX 78713-7666  
fax (512) 475-6532, e-mail [housing@austin.utexas.edu](mailto:housing@austin.utexas.edu);  
University apartments: (512) 232-5299, fax (512) 232-5353, e-mail [uhd.apartments@austin.utexas.edu](mailto:uhd.apartments@austin.utexas.edu);  
<http://housing.utexas.edu>

## International Students

Texas Global, 2400 Nueces Street The University of Texas at Austin, Texas Global, PO Box A, Austin TX 78713-8901, USA  
Suite B, (512) 471-1211; <https://global.utexas.edu/>

## Medical Services

University Health Services, Student The University of Texas at Austin, University Health Services, PO Box 7339, Austin TX 78713-7339  
Services Building, 100 West Dean Keeton Street, (512) 471-4955; 24/7  
Nurse Advice Line (512) 475-6877; <http://healthyhorns.utexas.edu>

## Orientation

New Student Services, Student The University of Texas at Austin, New Student Services, 100 West Dean Keeton Street, Austin TX 78712-1100  
Services Building 3.410, (512) 471-3304, fax (512) 232-8211, e-mail [nss@austin.utexas.edu](mailto:nss@austin.utexas.edu); <http://orientation.utexas.edu>

## Placement Tests

Student Testing Services, George I. Sanchez (SZB) Building, 1912 Speedway, Suite 547, (512) 232-2662, e-mail [ctl-testing@utlists.utexas.edu](mailto:ctl-testing@utlists.utexas.edu); <https://testingservices.utexas.edu/sts>

## Registration Information

Registration, (512) 475-7656, The University of Texas at Austin, Office of the Registrar, Registration, PO Box 7216, Austin TX 78713-7216  
fax (512) 475-7520, e-mail [registration@austin.utexas.edu](mailto:registration@austin.utexas.edu); <https://onestop.utexas.edu/registration-and-degree-planning/registering-for-classes/>

## Disability and Access

Disability and Access, Student The University of Texas at Austin, Disability and Access, 100 West Dean Keeton Street, Student Services Building 4.206, Austin TX 78712-1100  
Services Building 4.206, (512) 471-6259, video phone (512) 410-6644, fax (512) 475-7730, e-mail [ssd@austin.utexas.edu](mailto:ssd@austin.utexas.edu); <http://community.utexas.edu/disability/>

## Texas One Stop

Texas One Stop, The University of Texas at Austin, Texas One Stop, 110 Inner Campus Dr Rm 1 Austin, TX 78712  
512-232-6988 (myUT), e-mail [onestop@utexas.edu](mailto:onestop@utexas.edu), <https://onestop.utexas.edu/>

## Transcripts

Office of the Registrar, The University of Texas at Austin, Office of the Registrar, Transcript Services, PO Box 7216, Austin TX 78713-7216  
(512) 475-7689, fax (512) 475-7515, e-mail [transcripts@austin.utexas.edu](mailto:transcripts@austin.utexas.edu);  
<https://onestop.utexas.edu/student-records/transcripts-other-records/>

## TSI

Texas Success Initiative, Buford H. Jester Center A332, (512) 232-7146, fax (512) 475-6838, e-mail [tsi@austin.utexas.edu](mailto:tsi@austin.utexas.edu); <https://ugs.utexas.edu/tsi>

# The University

## Statement on Equal Educational Opportunity

The University of Texas at Austin is committed to an educational and working environment that provides equal opportunity to all members of the University community. In accordance with federal and state law, the University prohibits unlawful discrimination, including harassment, on the basis of race; color; religion; national origin; gender, including sexual harassment; age; disability; citizenship; and veteran status. Discrimination on the basis of sexual orientation, gender identity, and gender expression is also prohibited pursuant to University policy. Any member of the University community who feels they have been subject to discrimination, harassment, or retaliation should contact the [Center for Access and Restorative Engagement](#) in person at SSB 3.212, Austin TX 78712; via e-mail at [care@austin.utexas.edu](mailto:care@austin.utexas.edu); or by phone at (512) 471-1849.

## Accreditation

The University of Texas at Austin is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, professional, and doctorate degrees. The University of Texas at Austin also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of The University of Texas at Austin may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).

## The University of Texas at Austin

The University of Texas was established by the state legislature in 1881; by popular vote, the main University was located at Austin and the Medical Branch at Galveston. The Austin campus was opened in September, 1883, with a faculty of eight and a student body of 218; about three-quarters of the students were registered in the Academic Department and the remainder in the Law Department. In the intervening decades, the central campus has grown from forty to more than 360 acres, while the student body has increased to about 39,000 undergraduates and 11,000 graduate students. In 1967, with the creation of The University of Texas System, the name of the main University was changed to The University of Texas at Austin.

University students represent both the diverse population of the state and the full range of contemporary scholarship: an undergraduate may choose courses from more than 200 fields of study while pursuing any of more than 150 majors. Undergraduate study is supported by extensive computer facilities and by one of the largest academic libraries in the nation. Students also benefit from the broad range of scholarly and technical research conducted by the faculty and the research staff.

The city of Austin is a relaxed and cosmopolitan setting for the University. The city is home to respected professional communities in theatre, dance, the visual arts, and classical and popular music that offer a wide range of cultural events. Students may also take part in recreational activities made possible by the temperate climate and Austin's location in the Hill Country of central Texas.

For further historical and current information about the University, see [General Information](#).

# The University of Texas System

The University of Texas at Austin is the largest component of The University of Texas System. The system is governed by a nine-member Board of Regents appointed by the governor with the advice and consent of the state Senate. In addition to the University, the system consists of the following institutions. Information about the system and its components is published at <http://www.utsystem.edu/>.

- The University of Texas at Arlington
- The University of Texas at Dallas
- The University of Texas at El Paso
- The University of Texas of the Permian Basin
- The University of Texas Rio Grande Valley
- The University of Texas at San Antonio
- The University of Texas at Tyler
- The University of Texas Southwestern Medical Center at Dallas
- The University of Texas Medical Branch at Galveston
- The University of Texas Health Science Center at Houston
- The University of Texas Health Science Center at San Antonio
- The University of Texas M. D. Anderson Cancer Center
- The University of Texas Health Science Center at Tyler

## Student Honor Code

*I pledge, as a member of The University of Texas at Austin community, to do my work honestly, respectfully, and through the intentional pursuit of learning and scholarship.*

## University Code of Conduct

*The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the University is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.*

# Organization of the University

## Academic Affairs

Subject to the supervision of the Board of Regents and to the authority the board has vested in administrative officers, the general faculty is responsible for the governance of the University. The president is the chief executive officer; the executive vice president and provost is the chief academic officer. The administration of each college or school is the responsibility of that division's dean; in most colleges and schools, an associate or assistant dean for academic affairs oversees the day-to-day academic life of the division. Several colleges are further divided into departments and academic centers; academic and administrative matters in these units are the responsibility of the department chair or center director. A list of the University's colleges and schools and their constituent departments and academic centers is given in [General Information](#).

## Student Services

Student services are provided by the Division of Student Affairs, under the direction of the vice president for student affairs. The division consists of several units, which administer the University's programs in such areas as financial aid, student record management, counseling and learning support, housing and food, recreation, health services, and student media. The services of these units are described in [General Information](#). Services provided by the colleges and schools are described in the college/school sections of this catalog.

# Undergraduate Degrees

The University offers the following undergraduate degrees.

Degree Title	Degree Abbreviation
Bachelor of Architecture	BArch
Bachelor of Arts	BA
Bachelor of Arts in Geological Sciences	BAGeoSci
Bachelor of Arts in Music	BAMusic
Bachelor of Arts in Theatre and Dance	BATD
Bachelor of Business Administration	BBA
Bachelor of Fine Arts	BFA
Bachelor of Journalism	BJ
Bachelor of Music	BMusic
Bachelor of Science and Arts	BSA
Bachelor of Science in Advertising	BSAdv
Bachelor of Science in Aerospace Engineering	BSAsE
Bachelor of Science in Architectural Engineering	BSArchE
Bachelor of Science in Architectural Studies	BSAS
Bachelor of Science in Arts and Entertainment Technologies	BSAET
Bachelor of Science in Astronomy	BSAst
Bachelor of Science in Athletic Training	BSAthTrng
Bachelor of Science in Biochemistry	BSBioch
Bachelor of Science in Biology	BSBio
Bachelor of Science in Biomedical Engineering	BSBiomedE
Bachelor of Science in Chemical Engineering	BSChE
Bachelor of Science in Chemistry	BSCh
Bachelor of Science in Civil Engineering	BSCE
Bachelor of Science in Communication and Leadership	BSComm&Lead
Bachelor of Science in Communication Studies	BSCommStds
Bachelor of Science in Computational Engineering	BSCompE
Bachelor of Science in Computer Science	BSCompSci
Bachelor of Science in Economics	BSEco
Bachelor of Science in Education	BSEd
Bachelor of Science in Electrical and Computer Engineering	BSECE
Bachelor of Science in Environmental Engineering	BSEnvE
Bachelor of Science in Environmental Science	BSEnvirSci
Bachelor of Science in Geological Sciences	BSGeoSci
Bachelor of Science in Geosystems Engineering and Hydrogeology	BSGEH
Bachelor of Science in Human Development and Family Sciences	BSHDFS
Bachelor of Science in Informatics	BSI
Bachelor of Science in Interior Design	BSID
Bachelor of Science in Kinesiology and Health	BSKin&Health
Bachelor of Science in Mathematics	BSMath
Bachelor of Science in Mechanical Engineering	BSME
Bachelor of Science in Medical Laboratory Science	BSMedLabSci
Bachelor of Science in Neuroscience	BSNeurosci
Bachelor of Science in Nursing	BSN
Bachelor of Science in Nutrition	BSNtr
Bachelor of Science in Petroleum Engineering	BSPE

Bachelor of Science in Physics	BSPHy
Bachelor of Science in Psychology	BSPsy
Bachelor of Science in Public Health	BSPublichealth
Bachelor of Science in Public Relations	BSPR
Bachelor of Science in Radio-Television-Film	BSRTF
Bachelor of Science in Speech, Language, and Hearing Sciences	BSSLH
Bachelor of Science in Statistics and Data Science	BSSDS
Bachelor of Science in Textiles and Apparel	BSTA
Bachelor of Social Work	BSW
Doctor of Pharmacy	PharmD

## Degree Programs

### SCHOOL OF ARCHITECTURE

Major(s)	Degree(s)
Architectural studies	BSAS
Architecture	BArch
Interior design	BSID

### RED MCCOMBS SCHOOL OF BUSINESS (p. 50)

Major(s)	Degree(s)
Business administration	BBA
<b>Department of Accounting</b>	
Accounting	BBA
<b>Department of Business, Government, and Society</b>	
International business	BBA
<b>Department of Finance</b>	
Finance	BBA
<b>Department of Information, Risk, and Operations Management</b>	
Business analytics	BBA
Management informations systems	BBA
Supply chain management	BBA
<b>Department of Management</b>	
Management	BBA
<b>Department of Marketing</b>	
Marketing	BBA

### MOODY COLLEGE OF COMMUNICATION (p. 95)

Major(s)	Degree(s)
<b>Stan Richards School of Advertising and Public Relations</b>	
Advertising	BSAdv
Public relations	BSPR
<b>Department of Communication Studies</b>	
Communication and leadership	BSComm&Lead
Communication studies	BSCommStds
<b>School of Journalism and Media</b>	
Journalism	BJ
<b>Department of Radio-Television-Film</b>	
Radio-television-film	BSRTF
<b>Department of Speech, Language, and Hearing Sciences</b>	
Speech, language, and hearing sciences	BSSLH

### COLLEGE OF EDUCATION (p. 125)

Major(s)	Degree(s)
Education	BSEd
Youth and community studies	BSEd
<b>Department of Kinesiology and Health Education</b>	

Applied movement science	BSKin&Health
Athletic training	BSAthTrng
Exercise science	BSKin&Health
Health promotion and behavioral science	BSKin&Health
Physical culture and sports	BSKin&Health
Sport management	BSKin&Health

## COCKRELL SCHOOL OF ENGINEERING (p. 153)

Major(s)	Degree(s)
<b>Department of Aerospace Engineering and Engineering Mechanics</b>	
Aerospace engineering	BSAsE
Computational engineering	BSCompE
<b>Department of Biomedical Engineering</b>	
Biomedical engineering	BSBiomedE
<b>John J. McKetta Jr. Department of Chemical Engineering</b>	
Chemical engineering	BSCHE
<b>Department of Civil, Architectural, and Environmental Engineering</b>	
Architectural engineering	BSArchE
Environmental engineering	BSEnvE
Civil engineering	BSCE
<b>Department of Electrical and Computer Engineering</b>	
Electrical and computer engineering	BSECE
<b>J. Mike Walker Department of Mechanical Engineering</b>	
Mechanical engineering	BSME
<b>Hildebrand Department of Petroleum and Geosystems Engineering</b>	
Petroleum engineering	BSPE
Geosystems engineering and hydrogeology (offered jointly by the Hildebrand Department of Petroleum and Geosystems Engineering and the Jackson School of Geosciences)	BSGEH

## COLLEGE OF FINE ARTS (p. 219)

Major(s)	Degree(s)
<b>Department of Art and Art History</b>	
Art history	BA
Studio art	BA, BFA
Art education	BFA
<b>School of Design and Creative Technologies</b>	
Arts and entertainment technologies	BSAET
Design	BA, BFA
<b>Sarah and Ernest Butler School of Music</b>	
Composition	BMusic
Jazz (emphasis in composition or performance: double bass, drum set, guitar, piano, saxophone, trombone, and trumpet)	BMusic
Music	BAMusic
Music performance (Students may major in voice, piano, organ, harpsichord, harp, or one of the orchestral instruments, including euphonium, guitar, and saxophone)	BMusic
Music studies	BMusic
<b>Department of Theatre and Dance</b>	
Acting	BFA
Dance	BFA
Theatre and dance	BATD
Theatre education	BFA

## JOHN A. AND KATHERINE G. JACKSON SCHOOL OF GEOSCIENCES (p. 257)

Major(s)	Degree(s)
<b>Department of Geological Sciences</b>	
Geological sciences	BAGeoSci, BSGeoSci, BSEnvSci
General geology	BSGeoSci
Geophysics	BSGeoSci
Hydrogeology	BSGeoSci

Geosystems engineering and hydrogeology (offered jointly with the BSGEH Cockrell School of Engineering)

## SCHOOL OF INFORMATION (p. 276)

Major(s)	Degree(s)
Informatics	BA, BSI

## COLLEGE OF LIBERAL ARTS (p. 293)

Major(s)	Degree(s)
Health and society	BA
Human dimensions of organizations	BA
Humanities	BA
International relations and global studies	BA
Plan II honors program	BA
<b>Department of African and African Diaspora Studies</b>	
African and African diaspora studies	BA
Race, indigeneity, and migration	BA
<b>Department of American Studies</b>	
American studies	BA
<b>Department of Anthropology</b>	
Anthropology	BA
<b>Center for Asian American Studies</b>	
Ethnic studies (Students majoring in ethnic studies concentrate in Asian American studies.)	BA
<b>Department of Asian Studies</b>	
Asian cultures and languages (Students specialize in Chinese, Hindi/Urdu, Japanese, Korean, Malayalam, Sanskrit, or Tamil.)	BA
Asian studies	BA
<b>Department of Classics</b>	
Classical languages (Students specialize in classics, Greek, or Latin)	BA
Classical studies (Students specialize in ancient history or classical archaeology)	BA
<b>Department of Economics</b>	
Economics	BA, BSEco
<b>Department of English</b>	
English	BA
<b>Center for European Studies</b>	
European studies	BA
<b>Department of French and Italian</b>	
French studies	BA
Italian studies	BA
<b>Department of Geography and the Environment</b>	
Geographical sciences	BSEnvSci
Geography	BA
Sustainability studies	BA
Urban studies	BA
<b>Department of Germanic Studies</b>	
German	BA
<b>Department of Government</b>	
Government	BA
<b>Department of History</b>	
History	BA
<b>Schusterman Center for Jewish Studies</b>	
Jewish studies	BA
<b>Teresa Lozano Long Institute of Latin American Studies</b>	
Latin American studies	BA
<b>Department of Linguistics</b>	
Linguistics	BA
<b>Department for Mexican American and Latina/o Studies</b>	
Mexican American and Latina/o studies	BA
<b>Center for Middle Eastern Studies</b>	
Middle Eastern studies	BA
<b>Department of Philosophy</b>	
Philosophy	BA

<b>Department of Psychology</b>	
Psychology	BA, BPSpy
<b>Department of Religious Studies</b>	
Religious studies	BA
<b>Department of Rhetoric and Writing</b>	
Rhetoric and writing	BA
<b>Center for Russian, East European, and Eurasian Studies</b>	
Russian, East European, and Eurasian studies	BA
<b>Department of Sociology</b>	
Sociology	BA
<b>Department of Spanish and Portuguese</b>	
Portuguese	BA
Spanish	BA
<b>Center for Women's and Gender Studies</b>	
Women's and gender studies	BA

## **COLLEGE OF NATURAL SCIENCES (p. 399)**

Major(s)	Degree(s)
<b>Department of Astronomy</b>	
Astronomy	BA, BSA, BSAst
<b>Biology Instruction Office</b>	
Biology	BSA, BSBio
<b>Department of Chemistry</b>	
Chemistry	BA, BSA, BSCh
<b>Department of Computer Science</b>	
Computer science	BSA, BSCompSci
<b>School of Human Ecology</b>	
Human ecology	BSA
Public health	BSPublichealth
<b>Department of Human Development and Family Sciences</b>	
Human development and family sciences	BSA, BSHDFS
<b>Department of Nutritional Sciences</b>	
Nutrition	BSA, BSNtr
<b>Division of Textiles and Apparel</b>	
Textiles and apparel	BSTA
<b>Department of Integrative Biology</b>	
Biological sciences	BSEnvirSci
<b>Department of Mathematics</b>	
Mathematics	BA, BSA, BSMath
<b>Department of Molecular Biosciences</b>	
Biochemistry	BSBioch
Medical laboratory science	BSMedLabSci
<b>Department of Neuroscience</b>	
Neuroscience	BSA, BSNeurosci
<b>Department of Physics</b>	
Physics	BA, BSA, BSPhy
<b>Department of Statistics and Data Sciences</b>	
Statistics and data science	BSSDS

## **SCHOOL OF NURSING (p. 490)**

Major(s)	Degree(s)
Nursing	BSN

## **COLLEGE OF PHARMACY (p. 505)**

Major(s)	Degree(s)
Pharmacy	PharmD

## **STEVE HICKS SCHOOL OF SOCIAL WORK (p. 521)**

Major(s)	Degree(s)
Social work	BSW

### **Dual Degree Programs**

A dual degree program allows for academically outstanding students to pursue two separate degree programs through a structured arrangement that may reduce time to degree completion. Separate degrees are awarded within one university or inter-institutionally when students pursue and complete simultaneous majors leading to two, separate degrees at the same level based on a formal agreement. Separate academic awards for each distinct degree are conferred bearing the university's name, seal, and signature.

Major(s)	Degree(s)
Architecture/Architectural engineering	BArch/BSArchE
Architecture/Plan II	BArch/BA
Business/Computer science	BBA/BSCompSci
Electrical and computer engineering/Business	BSECE/BBA

### **Programs with Other Institutions**

The dual degree programs listed above lead to two University degrees; in other programs, students pursue degrees from the University and from another school at the same time. The University's School of Pharmacy offers a coordinated program with the University of Texas Health Science Center at Houston School of Public Health leading to the Doctor of Pharmacy (PharmD) professional degree from the University and the Master of Public Health from the center.

### **Integrated Degree Programs**

A degree program, typically five years long, based on a formal agreement within one university or that is inter-institutional intentionally designed to serve as a bridge between undergraduate and graduate programs. Integrated degree programs allow undergraduate students to complete master's coursework as an undergraduate student and use those courses toward a master's program. Graduate-level courses taken by undergraduates may be used to satisfy their undergraduate degree requirements or they may be reserved for graduate credit towards the graduate degree. Such arrangements may reduce time to degree completion. After completing undergraduate degree requirements, students transition to the graduate program and complete their master's degree as a graduate student.

Major(s)	Degree(s)
Accounting	BBA/MPA
Biomedical Engineering	BSBiomedE/MSE
Computer Science	BSCompSci/ MSCompSci
Computer Science/Information Studies	BSCompSci/MSIS
Computer Science/Computational Science, Engineering, and Mathematics	BSCompSci/ MSCSEM
Electrical and Computer Engineering	BSECE/MSE
Informatics/Information Studies	BA/MSIS, BSI/MSIS
Mechanical Engineering	BSME/MSE
Nutrition/Nutritional Sciences	BSNtr/MSNS
Women's and Gender Studies	BA/MA

## Programs with Other Institutions

The integrated degree programs listed above lead to two University degrees; in other programs, students pursue degrees from the University and from another school at the same time. The University's College of Natural Sciences offers an integrated degree program with the University of Texas Health Science Center at Houston School of Public Health leading to the Bachelor of Science in Public Health (BSPublicHealth) degree from the University and the Master of Public Health degree from the center.

## Other Programs

### Bridge Programs

Bridge programs offer undergraduate students an opportunity to prepare for future graduate study by providing access to courses and program resources that normally require graduate standing. Undergraduate students may apply for admission through the graduate academic unit sponsoring the bridge program. Admission to a bridge program is highly competitive and does not guarantee admission to a graduate degree program. For more information, each of the following bridge programs is described in the [Graduate](#) catalog section for the graduate program that sponsors it.

### Red McCombs School of Business

Major(s)	Degree(s)
Business analytics	MSBA
Finance	MSF
Information technology and management	MSITM
Marketing	MSM

## Simultaneous Majors

With proper approval, an undergraduate may pursue two majors simultaneously. The two majors may lead either to a single degree or to two degrees. For example, a student who majors simultaneously in history and government is awarded a single Bachelor of Arts degree; a student who majors simultaneously in journalism and government receives the Bachelor of Journalism and the Bachelor of Arts.

Students are admitted to the University with a single major. They may choose a second major after completing 30 semester hours of coursework in residence at the University. A student must follow any application procedures and meet any admission requirements that have been established for the second major; information about these and other relevant college policies is available from the dean. Approval of the student's application for simultaneous major will take into account the student's ability to graduate within four years<sup>1</sup> of entering the University.

Students with simultaneous majors must pay all applicable major-related fees for both fields, and they have the right to use the advising and student services provided by both colleges. Decisions about admission to programs, honors, scholastic probation, and dismissal are based independently on the criteria for each major.

A student who chooses to pursue two majors simultaneously is expected to take responsibility for their educational development. The student must know and abide by all policies of each of the colleges in which the student is enrolled. The student must also know and meet the requirements of both degree programs, enroll in courses appropriate to both, meet prerequisites and take courses in the proper sequence, and seek advice from both colleges about degree requirements and other University policies when necessary.

<sup>1</sup> For programs requiring more than four years, the projected length of the program will be used instead of the four-year standard.

## Interdisciplinary Opportunities

Several of the majors listed in the section "Degree Programs" are interdisciplinary in nature. The Bachelor of Science in Biomedical Engineering, for example, is offered by the Cockrell School of Engineering but involves substantial coursework in the life and physical sciences; in the various area studies programs in the College of Liberal Arts, such as Latin American studies and Middle Eastern studies, students examine a geographic area from the viewpoints of several traditional disciplines.

In addition to interdisciplinary majors, the [simultaneous major option](#) (p. 14), and the formal dual degree programs described later in this catalog, the University provides various ways for students to add breadth and diversity to their studies. These include the [minor and transcript-recognized certificate programs](#) (p. 14); other concentrations, not reflected on the graduate's transcript, are described in the later chapters of this catalog. The Education Abroad program, described in [General Information](#), allows students to consider their own field from the unique viewpoint of another culture. The Bridging Disciplines Programs and other initiatives of the School of Undergraduate Studies help students traverse the traditional boundaries between colleges and disciplines.

Cross-disciplinary initiatives of the colleges and schools are often described on their websites, which may be reached via <http://www.utexas.edu/academics/areas-of-study>.

## Minor and Certificate Programs

### Transcript-Recognized Minor Programs

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin; students pursuing an integrated undergraduate/graduate program must complete the requirements for the minor within one year after completing the undergraduate requirements of their program.

*Minors in all areas except foreign languages.* Transcript-recognized undergraduate minors require a minimum of 15 hours of coursework in the minor area, but may not require more than 18 hours. None of the specified coursework from the minor can include unnumbered topics courses. Minors must include a minimum of six hours of upper division coursework.

*Minors in foreign languages.* Transcript-recognized undergraduate minors in foreign languages require a minimum of 15 hours of coursework in the minor area, but may not require more than 21 hours. None of the specified coursework from the minor can include unnumbered topics courses. Minors must include a minimum of nine hours beyond first year competence in the language, including at least three hours of upper division coursework.

At least half of the required course work in the minor must be completed in residence at The University of Texas at Austin.

A student may not earn a minor in the same field of study as his or her major, and at least nine of the hours required for the minor must include coursework not used to satisfy the requirements of the student's major. However, courses in the minor may fulfill other degree requirements such as general education requirements or required elective hours.

Transcript recognition is awarded at the time of undergraduate degree completion.

## Minors

Each of the following transcript-recognized minor programs is described in the catalog section for the college that sponsors it.

### **School of Architecture (p. 41)**

- Architectural History
- Architectural Studies
- Interior Design
- Landscape Studies

### **McCombs School of Business (p. 66)**

- Accounting
- Accounting for Business Economics Option Program
- Analytics and the Business of Sports
- Business Analytics
- Business and Public Policy
- Business
- Energy Management
- Entrepreneurship
- Finance
- Finance for Business Economics Option Program
- Global Management
- Healthcare Industry Reform and Innovation
- International Business
- Leadership in Global Sustainability
- Management
- Management Information Systems
- Marketing
- National Security and International Business
- Professional Sales and Business Development
- Real Estate
- Risk Management
- Supply Chain Management
- Wealth Management

### **Moody College of Communication (p. 109)**

- Communicating for Development and Philanthropy
- Communicating Social Issues
- Communication Studies
- Global Communication
- Health Communication
- Journalism and Media
- Latino Media Arts and Studies
- Media and Entertainment Industries
- Media Studies
- Professional Sales and Business Development
- Science Communication
- Sports Media

### **College of Education (p. 136)**

- Educational Psychology
- Kinesiology and Health Education
- Urban Teachers

### **Cockrell School of Engineering (p. 194)**

- Materials Science and Engineering
- Sustainable Energy

### **College of Fine Arts (p. 242)**

- Art History
- Arts Management and Administration
- Studio Art

### **Jackson School of Geosciences (p. 269)**

- Computational Geosciences
- Geosciences
- Hydrology
- Sedimentology and Earth Surface Processes

### **School of Information (p. 280)**

- Informatics

### **College of Liberal Arts (p. 345)**

- African and African Diaspora Studies
- American Sign Language Studies
- American Studies
- Anthropology
- Applied Economics
- Arabic
- Archaeology
- Asian American Studies
- Asian Religions
- Bengali
- Chinese
- Classical Studies
- Comparative Literature
- Core Texts and Ideas
- Creative Writing in Spanish
- Cultural Anthropology
- Cultural Expression, Human Experience, and Thought
- Economics
- English
- European Studies
- Evolutionary and Functional Anatomy
- French Studies
- Geography
- German, Scandinavian, and Dutch Studies
- Global Interreligious Dynamics
- Government
- Greek
- Hebrew
- Hindi
- History
- Holocaust and Genocide Studies
- Italian Studies
- Jewish Studies
- Korean
- Language, Culture, and Communication
- Latin
- Law, Justice, and Society



- Lesbian, Gay, Bisexual, Transgender, and Queer/Sexualities Studies
- Malayalam
- Medieval Studies
- Mexican American and Latina/o Studies
- Middle Eastern Studies
- Military Leadership
- Persian
- Philosophy
- Philosophy of Law
- Philosophy of the Mind and Language
- Portuguese
- Primatology
- Religious Studies
- Rhetoric and Writing
- Russian
- Russian, East European, and Eurasian Studies
- Sanskrit
- Slavic and Eurasian Languages
- Social and Behavioral Sciences
- Sociology
- Spanish
- Tamil
- Turkish
- Urdu
- UTeach-Liberal Arts
- Women's and Gender Studies

#### **School of Social Work (p. 524)**

- Critical Disability Studies
- Social Work

## **Transcript-Recognized Certificate Programs**

Transcript-recognized certificate programs offer interdisciplinary curricula that support and extend a student's major or curricula in a specific academic or technical field that support a student's educational goals. Undergraduates who complete certificate requirements in conjunction with their degree requirements or within one year after earning the degree receive recognition on the University transcript; students in integrated undergraduate/graduate programs must complete certificate requirements within one year after they complete their undergraduate degree requirements. Transcript-recognized undergraduate academic certificate programs require a minimum of 18 hours of certificate course work but may not require more than 24 hours. A maximum of nine hours of certificate coursework may be taken after the student has earned the undergraduate degree. At least half of the required certificate coursework must be completed in residence at the University.

A student may not earn a certificate in the same field as his or her major, and at least one certificate course must be outside the requirements of the major. However, certificate courses outside the major may be counted toward other degree requirements.

Students should apply for the certificate when they apply for graduation or when they complete the certificate program, whichever is later. Transcript recognition is awarded at the end of that semester or summer session.

The above requirements do not apply to Extended Campus students who are not seeking a degree from The University of Texas at Austin. For Extended Campus students, all of the required course work in a certificate program must be University of Texas at Austin credit, unless otherwise specified for a specific program. Extended Campus students apply for transcript recognition at the time of certificate completion and transcript recognition is awarded at that time.

Not all transcript-recognized certificate programs are available to Extended Campus students. More information about certificate programs available through TEXAS Extended Campus (TEC), including related policies, is on the TEC website.

## **Certificates**

Each of the following transcript-recognized certificate programs is described in the catalog section for the college that sponsors it. Certificate programs that do not lead to transcript recognition are also described in the following sections of this catalog.

#### **School of Undergraduate Studies (p. 25)**

- Children and Society
- Conflict Resolution and Peace Studies
- Design Strategies
- Digital Arts and Media
- Environment and Sustainability
- Ethics and Leadership in Business
- Ethics and Leadership in Health Care
- Ethics and Leadership in Law, Politics, and Government
- Human Rights and Social Justice
- Innovation, Creativity, and Entrepreneurship
- Museum Studies
- Patients, Practitioners, and Cultures of Care
- Public Policy
- Smart Cities
- Social Entrepreneurship and Nonprofits
- Social Inequality, Health, and Policy

#### **McCombs School of Business (p. )**

- The McCombs School of Business does not offer any certificates.

#### **School of Engineering (p. 194)**

- Computational Science and Engineering
- Humanitarian Engineering
- National Academy of Engineering Grand Challenges Scholars Program

#### **Jackson School of Geosciences (p. 269)**

- Computational Science and Engineering

#### **School of Information (p. 280)**

- Digital Humanities

#### **College of Liberal Arts (p. )**

- African Studies
- Business Spanish
- Computational Science and Engineering
- Core Texts and Ideas
- Creative Writing

- Digital Humanities
- German
- History and Philosophy of Science
- Ibero-American Cultural Diversity
- Indigenous Studies
- Japanese
- Lesbian, Gay, Bisexual, Transgender, and Queer/Sexualities Studies
- Security Studies
- Spanish for Medical Professions

#### **College of Natural Sciences (p. 451)**

- Applied Statistical Modeling
- Computational Science and Engineering
- Elements of Computing
- Evidence and Inquiry
- Food and Society
- Forensic Science
- Marine Science
- Pre-Health Professions
- Quantum Information Science
- Scientific Computation and Data Sciences
- Textile Conservation and Museum Studies
- UTeach-Natural Sciences Secondary Teaching Option
- UTeach-Natural Sciences Secondary Teaching Option Accelerated Track
- UTeach Teacher Certification

#### **School of Social Work (p. 524)**

- Public Safety

## **Preparation for Health Professions**

The rapid expansion and diversification of services designed to meet the health needs of society provide students with a variety of career opportunities in health care. Competition for admission to professional school programs is keen. It is important to explore and determine fitness for a health profession career path by becoming academically well-prepared and by participating in extra-curricular activities that develop knowledge of healthcare and the profession, leadership and collaboration with others, and community involvement.

### **Advisory Services**

Students interested in health careers should contact the Health Professions Office, PAI 5.03, for coaching designed to prepare them for admission to professional schools. The [Health Professions Office](#) maintains a website, including resource information on health careers. The HPO communicates with students via various social media platforms and their e-mail distribution list. The office sponsors a lecture series, an annual Health Professions Fair, and other programs.

In general, professional schools do not indicate a preferred undergraduate major, leaving the student free to choose a degree program suited to his or her interests and abilities. The student should complete at least the minimum professional school course requirements before taking a nationally standardized admission test such as the Dental Admission Test, Medical College Admission Test, Pharmacy College Admission Test, or Graduate Record Examinations. Health Professions Office provides information on courses that meet

professional school admission requirements. Academic advisors in the student's major department provide guidance to incorporate pre-health professions courses into their degree plan.

## **Completion of an Undergraduate Degree and Admission to Professional Schools**

It is rare for a student to be admitted to graduate health professions schools without a bachelor's degree. A notable exception is that most professional pharmacy programs, including those in Texas, do not require a bachelor's degree for admission. However, many who are admitted to PharmD programs complete a bachelor's degree before starting Pharmacy school.

The Health Professions Office encourages students in all pre-health professions areas to complete a bachelor's degree in an area of interest that supports flexibility in career options.

### **Applying to Professional School**

The Health Professions Office provides a variety of application resources and tools to assist students in the application process.

All applicants to health professions programs should consult the schools' websites and catalogs, as well as the most recent online editions of admissions guides such as *ADEA Official Guide to Dental Schools*, the *AAMC Medical School Admission Requirements*, the *AAVMC Veterinary Medical School Admission Requirements*, and the *AACP Pharmacy School Admission Requirements*.

## **Preparation for Law**

Per the [American Bar Association](#), there are no specific course prerequisites for admission to law school. Aspiring law students are encouraged to pursue an area of study that interests and challenges them, while engaging in a diverse range of coursework designed to develop strong analytical, critical thinking, and writing skills, within their chosen area of study.

For answers to specific questions about a pre-law program, currently enrolled students of any major may schedule an appointment with the Pre-Law Advisor in the College of Liberal Arts in the Liberal Arts Career Services (LACS). The Pre-Law Advisor can provide students with resources on how to research the legal profession, law schools, and financing a legal education; help applicants plan, strategize, and maximize timing of their application materials; discuss LSAT preparation, scholarship reconsideration, wait list protocol, and other related topics as they pertain to the law school application process. Additional information about preparation for law is available at [Pre-Law Planning](#).

Like most professional schools, the University's law school has a number of specific requirements. For example, prior to matriculation at law school, candidates must have completed their bachelor's degree from an accredited college or university, earned a GPA of at least 2.20 on all undergraduate work as calculated by LSAC, and obtained a reportable score on the LSAT. An applicant's law school admission test (LSAT) score and undergraduate GPA are two of the factors considered, along with their resume, personal statement, letters of recommendation, and other supporting documents; no single factor by itself will guarantee admission or denial. Information about admission to The University of Texas at Austin School of Law is given in the [General Information Catalog](#) and in the [Law School Catalog](#).

# Preparation for Teacher Certification

Students seeking elementary teacher certification to teach in Texas public schools (early childhood through grade six) must earn the Bachelor of Science in Education in the College of Education and must meet the appropriate state certification requirements.

Students seeking certification to teach in Texas public schools for elementary (early childhood through grade six), secondary (grades six through 12, seven through 12, and eight through 12), or all-level (early childhood through grade 12) must earn a bachelor's degree in the field they intend to teach and must meet the requirements for teacher certification. Students seeking teacher certification for secondary math or science must follow the curriculum prescribed by the [UTeach-Natural Sciences](#) (p. 18) program. Students seeking secondary teacher certification in English language arts and reading, social studies, or languages other than English must follow the curriculum prescribed by the [UTeach-Urban Teachers](#) (p. 18) or [UTeach-Liberal Arts](#) (p. 18) programs. Students seeking all-level teacher certification in art, music, or theatre or secondary teacher certification in dance must follow curriculum prescribed by the [UTeach-Fine Arts](#) (p. 18) program. Students seeking teacher certification for other areas should consult an advisor in the major department about degree requirements and a teacher certification advisor in the College of Education about certification requirements.

See *General Information, Academic Policies and Procedures, Teaching Certification* for additional information related to teacher certification.

## Secondary and All-Level Teacher Certification

All secondary and all-level teacher certification programs are based on degrees with academic majors in the student's chosen teaching field. Requirements for students seeking secondary or all-level teacher certification include all courses required for the student's major in the College of Education, College of Fine Arts, Jackson School of Geosciences, College of Liberal Arts, or the College of Natural Sciences, as well as the preprofessional and professional education courses.

### UTeach-Urban Teachers

UTeach-Urban Teachers is a teacher preparation program for students seeking secondary teacher certification in English language arts and reading or social studies. Information is available on the [UTeach-Urban Teachers website](#) and from the College of Education advising office.

### UTeach-Fine Arts

Program advising for students seeking all-level teacher certification in art, music, and theatre or secondary teacher certification in dance is provided in the College of Fine Arts. Information is available at <https://finearts.utexas.edu/students>.

### UTeach-Liberal Arts

UTeach-Liberal Arts is a professional teacher preparation program for liberal arts majors **pursuing** Arabic, Chinese, economics, English language arts and reading, French, history, geography, German, government, Japanese, Latin, **and** Spanish. Students may seek certification to teach secondary school.

UTeach-Liberal Arts offers a four-semester program for undergraduate students and a three-semester program for postbaccalaureate students. Admission into the program is required. Undergraduate students may

enter the program as early as the second semester of their freshman year. More information about UTeach-Liberal Arts and the admission process is available at <https://liberalarts.utexas.edu/uteach/>.

## UTeach-Natural Sciences

Students seeking secondary teacher certification in mathematics, computer science, science, or engineering must follow the curriculum prescribed by the UTeach-Natural Sciences program, a collaborative partnership between the College of Education and the College of Natural Sciences. Program advising is housed in the College of Natural Sciences.

## Certification Requirements

Information about legal requirements for certification to teach is available from the College of Education certification officer, George I. Sánchez Building 2.110, or from the Texas Education Agency.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

In accordance with state law, the commissioner of education may suspend or revoke a teaching certificate or refuse to issue a teaching certificate for a person who has been convicted of a felony or misdemeanor for a crime that directly relates to the duties and responsibilities of the teaching profession.

Students who have completed all necessary academic requirements for teacher certification must also achieve a passing level of performance on the required state certification examinations and complete fingerprinting requirements. See State Board for Educator Certification (SBEC) at <http://www.tea.texas.gov> for details. In addition, students seeking bilingual education certification or certification to teach French or Spanish in elementary, middle school, or secondary must earn a passing score at the advanced level on the appropriate language test. Field observations and practical classroom teaching in community and school environments are required of all students seeking teacher certification. Accountability information for the teacher preparation program is given in the [General Information Catalog](#).

## Minimum Scholastic Requirements

In addition to meeting the minimum coursework and scholastic requirements for the degree, students seeking teacher certification for middle school, secondary, and all-level must meet other requirements to take the prescribed work in professional development. Students seeking teacher certification must be approved by the College of Education for the Professional Development Sequence. [Admission to the Professional Development Sequence](#) is restricted; information about admission requirements is available in the College of Education, Office of the Dean, George I. Sánchez Building 2.110.

## Teaching Fields

All secondary and all-level teacher certification candidates must earn a degree in their primary teaching field by meeting all of the requirements for the appropriate major. While completing these requirements, the student seeking teacher certification must take a core set of courses in the major that fulfill certification requirements. This certification core includes at least 24 semester hours in a single teaching field or 48 semester hours in a composite teaching field, and incorporates the state-specified essential knowledge and skills needed for successful teaching in the field. Often, the student's major department requires more than these 24 semester hours, but the certification core in the major field must be taken.

Students seeking secondary teacher certification may choose from the following teaching fields:

- dance
- English language arts and reading
- history
- social studies
- computer science
- mathematics
- science

Students seeking all-level teacher certification may choose from the following teaching fields:

- art
- languages other than English (Arabic, Chinese, French, German, Japanese, Latin, or Spanish)
- music
- special education
- theatre

## Areas for Teacher Certification recommendation:

### College of Education

- [UTeach-Urban Teachers Program](#) (p. 125)
- [Bachelor of Science in Education](#) (p. 127)

### College of Fine Arts

- [UTeach-Fine Arts Program](#) (p. 219)
- [Bachelor of Fine Arts](#) (p. 223)
- [Bachelor of Music](#) (p. 229)

### College of Liberal Arts

- [UTeach-Liberal Arts Programs](#) (p. 293)
- [UTeach-Liberal Arts Minor](#) (p. 345)

### College of Natural Sciences

- [UTeach-Natural Sciences Program](#) (p. 399)
- [Bachelor of Science in Biology](#) (p. 419)
- [Bachelor of Science in Chemistry](#) (p. 423)
- [Bachelor of Science in Computer Science](#) (p. 425)
- [Bachelor of Science in Mathematics](#) (p. 434)
- [Bachelor of Science in Physics](#) (p. 443)
- [UTeach-Natural Sciences Certificate](#) (p. 451)

## Education Career Engagement

Education Career Engagement provides career services such as resume writing workshops and critiques, interview preparation workshops, individual mock interviews, school district panels, networking opportunities, and job fairs. Additional information is available on the Education Career Engagement website at <https://education.utexas.edu/about/college-offices/career-services>.

## Criminal History Acknowledgement

As required by HB1508, teacher certification applicants need to be aware of the following:

- In order to earn a State of Texas teacher certification, you must pass a criminal history background check.

- If you have been convicted of an offense that is considered not appropriate for an educator, you could be ineligible to earn a teacher certification from the State of Texas. Details about potential eligibility of persons with a criminal history can be found in [Texas Administrative Code, §249.16](#).
- You have a right to request a preliminary criminal history evaluation letter from the Texas Education Agency before admission into a program. The Texas Education Agency currently charges a fee for this criminal history evaluation. More information about the preliminary criminal history evaluation is online at [https://tea.texas.gov/Texas\\_Educators/Investigations/Preliminary\\_Criminal\\_History\\_Evaluation-FAQs/](https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/).

## Coursework in the Graduate School and the School of Law

### Graduate Work for Undergraduate Credit

An undergraduate may enroll in a graduate course under the following conditions:

- a. He or she must be an upper-division student and must fulfill the prerequisite for the course (except graduate standing).
- b. He or she must have a University grade point average of at least 3.00.
- c. He or she must receive the consent of the instructor of the course and of the graduate advisor for the field in which the course is offered. Some colleges and schools may also require the approval of the dean's office. Individual divisions may impose additional requirements or bar undergraduates from enrolling in graduate courses.
- d. Students in most colleges must have their dean's approval before they register for a graduate course.

Undergraduate students may not enroll in graduate courses that have fewer than five graduate students enrolled.

A graduate course taken by an undergraduate is counted toward the student's bachelor's degree in the same way that upper-division courses are counted, unless the course is reserved for graduate credit as described in the next section. Courses reserved for graduate credit may not also be used to fulfill the requirements of an undergraduate degree.

An undergraduate student enrolled in a graduate course is subject to all University regulations affecting undergraduates.

### Reservation of Work by Undergraduates for Graduate Credit

Under the following conditions, a degree-seeking undergraduate may enroll in a graduate course and reserve that course for credit toward a graduate degree.

- a. The student must have a University grade point average of at least 3.00.
- b. The student must have completed at least 90 semester hours of coursework toward an undergraduate degree.
- c. The student may not register for more than 15 semester hours in the semester or for more than 12 semester hours in the summer session in which the course is reserved.
- d. No more than 12 semester hours may be reserved for graduate credit.
- e. All courses reserved for graduate credit must be approved by the twelfth class day of the semester or the fourth class day of the summer session by the course instructor, the student's

undergraduate advisor, the graduate advisor in the student's proposed graduate major area, the dean of the student's undergraduate college, and the graduate dean. A form for this purpose is available in the Office of Graduate Studies.

An undergraduate student enrolled in a graduate course is subject to all University regulations affecting undergraduates.

A student who reserves courses for graduate credit must be admitted to a University graduate program through regular channels before the credit may be applied toward a graduate degree. By allowing the student to earn graduate credit while still an undergraduate, the University makes no guarantee of the student's admissibility to any graduate program.

## Courses in the School of Law

Undergraduate students may not take courses in the School of Law.

## Honors

Honors programs and organizations are described in college/school sections of this catalog. [General Information](#) gives the requirements for recognition as a College Scholar or Distinguished College Scholar, inclusion on the University Honors list, and graduation with University honors.

## Academic Advising

The University views sound academic advising as a significant responsibility in educating students. Academic advisors assist students in developing intellectual potential and exploring educational opportunities and life goals. Many people in the campus community contribute to the advising process, including faculty, staff, student, and professional advisors. Through the relationship established between advisor and student within a friendly, helpful, and professional atmosphere, a student has the opportunity to learn about educational options, degree requirements, and academic policies and procedures; to clarify educational objectives; to plan and pursue programs consistent with abilities, interests, and life goals; and to use all resources of the University to his or her best advantage.

Ultimately, the student is responsible for seeking adequate academic advice, for knowing and meeting degree requirements, and for enrolling in appropriate courses to ensure orderly and timely progress toward a degree. Frequent advisor contact provides students with current academic information and promotes progress toward educational goals. The University supports that progress and encourages effective academic advising campus-wide.

The advising systems are described in the college/school sections of this catalog.

## Student Responsibility

While University faculty and staff members give students academic advice and assistance, each student is expected to take responsibility for his or her education and personal development. The student must know and abide by the academic and disciplinary policies given in this catalog and in [General Information](#), including rules governing quantity of work, the standard of work required to continue in the University, scholastic probation and dismissal, and enforced withdrawal. The student must also know and meet the requirements of his or her degree program, including the University's basic education requirements; must enroll in courses appropriate to the program; must meet prerequisites and take courses in the proper sequence to ensure orderly and timely progress;

and must seek advice about degree requirements and other University policies when necessary.

The student must give correct local and permanent postal addresses, telephone numbers, and e-mail address to the Office of the Registrar and to the offices of the student's deans and must notify these offices immediately of any changes. Official correspondence is sent to the postal or e-mail address last given to the registrar; if the student has failed to correct this address, he or she will not be relieved of responsibility on the grounds that the correspondence was not delivered.

The student must verify his or her schedule of classes each semester, must see that necessary corrections are made, and must keep documentation of all schedule changes and other transactions.

All students should be familiar with the following sources of information:

### The University Catalog

Information about the University catalog is found in *General Information*.

### The Course Schedule

The *Course Schedule* is published by the Office of the Registrar and is available before registration for each semester and summer session at <http://registrar.utexas.edu/schedules/>. It includes information about registration procedures; times, locations, instructors, prerequisites, and special fees of classes offered; and advising locations.

### Dean's Offices

In each college, the office of the assistant or associate dean for student affairs serves as a central source of information about academic affairs and student services. The student should consult the dean's office staff for information not provided in the publications listed above; a student who is in doubt about any University regulation should always seek clarification in the dean's office before proceeding.

## Graduation

The University holds commencement exercises at the end of the spring semester. Each college and school also holds a commencement ceremony in the spring, and many hold graduation exercises in the fall. Graduating students are encouraged to participate. Those who graduate in the summer or fall may attend commencement the following spring. Each student should consult their dean early in the semester of graduation for information about commencement activities and procedures.

No degree will be conferred except on publicly announced dates.

### Multiple Degrees

A student may not receive more than one degree with the same title.

## General Requirements

To receive an undergraduate degree from The University of Texas at Austin, a student must fulfill the [Core Curriculum](#) (p. 23) requirements and all requirements for the degree as set forth in a catalog under which he or she is eligible to graduate and any special requirements of the college or school and department offering the degree, as well as the following minimum general requirements:

- a. The student must have a grade point average of at least 2.00 on all courses undertaken at the University (including credit by examination, correspondence, and extension) for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. Additional requirements

imposed by a college or school, if any, are given in the college's section of this catalog.

b. The student must fulfill the following requirements regarding coursework taken in-residence. Residence credit includes only courses taken at The University of Texas at Austin; it does not include credit by examination, courses taken by extension or correspondence, and online courses that are recorded as transfer credit. Coursework in University-approved affiliated study abroad programs (international provider programs) is treated as residence credit for requirement 2a below. However, coursework in University-approved affiliated study abroad programs may not be used to fulfill requirement 2b.

- a. The student must complete in-residence at least 60 semester hours of coursework counted toward the degree. (This requirement is waived for students in the Associate Degree in Nursing to Bachelor of Science in Nursing (ADNBSN), a degree program for registered nurses who hold associate's degrees or diplomas in nursing.)
- b. At least six semester hours of advanced coursework in the major must be completed in residence.

Additional requirements imposed by a college or school, if any, are given in the college/school sections of this catalog. Many degree plans include residence rules in addition to the above University-wide requirements; the appropriate academic units have the discretion to determine applicability of University-approved affiliated study abroad credit toward all college- and school-specific requirements for coursework in-residence. Course equivalency and University approval of study abroad courses are determined by the appropriate academic units.

- c. Coursework in American government and American history (the legislative requirement):
  - a. Each student must complete six semester hours of coursework in American government, including Texas government. Because these courses are not electives, they may not be taken on the pass/fail basis at the University. Credit by examination may be counted toward the requirement.

The six hours of coursework used to fulfill the requirement must cover both the United States and the Texas constitutions. Texas colleges and universities differ in the way they include this material in the courses they offer. As a result, some combinations of government courses taken at different institutions do not fulfill the requirement, even though they provide six hours of credit. The following combinations of coursework, some of which include transferred work, fulfill the government requirement at the University:

1. Government 310L and 312L or 312P
2. Government 310L and three hours of transfer credit in United States government (entered into the student's University record as "GOV 3 US")
3. Government 310L and three hours of transfer credit in Texas government (Government 306C)
4. Three hours of transfer credit in United States government ("GOV 3 US") and three hours of transfer credit in Texas government (Government 306C)

A number of sections of Government 312L are offered each semester. Because some of these sections deal with state government and some deal with federal government, credit for Government 312L in combination with transfer credit in United States government ("GOV 3 US") or in Texas government (Government 306C) may fail to fulfill the legislative requirement. If a student has such a combination of credit, the School of Undergraduate Studies will evaluate the coursework to determine whether both the state and the federal components of the requirement have been met.

- b. Each student must complete six semester hours of coursework in American history. Up to three hours in Texas history may be counted toward this requirement. Because these courses are not electives, they may not be taken on the pass/fail basis at the University. Credit by examination may be counted toward the requirement.

ROTC courses may not be counted toward the legislative requirement in history or government. Policies about the use of ROTC courses are given in each of the college/school sections of this catalog.

- d. A candidate for a degree must be registered at the University either in-residence or in absentia the semester or summer session the degree is to be awarded and must apply to the dean for the degree no later than the date specified in the official academic calendar. Some colleges require that their students be registered in that college the semester of graduation; these rules are given in the college/school sections of this catalog.

## Graduation Under a Particular Catalog

To receive a bachelor's degree, a student must fulfill all the degree requirements in a catalog under which they are eligible to graduate; the choices open to students in each college and school are explained below. The student must complete degree requirements within a specified time period; if the student leaves school to enter military service during a national emergency, the time required to meet the military obligation is excluded from the time allowed for completion of the degree.

A student who transfers to the University from another Texas public institution of higher education has the same catalog choices as would have been available if the dates of attendance at the University had been the same as the dates of attendance at the other institution.

Since each college and school must retain the flexibility to improve its curriculum, course offerings may be changed during the student's education. If a course required under a previous catalog is no longer offered, students eligible to graduate according to that catalog should consult the dean of the college to learn whether another course may be used to fulfill the requirement.

## Catalog Choices

The catalog choices open to business, engineering, and pharmacy students are described below. In all other divisions, a student may graduate under the catalog covering any academic year in which the student was enrolled at the University. Whichever catalog the student chooses, all degree requirements must be completed within six years (seven years for the Bachelor of Architecture) of the end of the two-year period covered by that catalog. For example, a student who chooses to graduate according to the requirements in the 2020-2022 catalog must

do so by the end of the summer session 2028 (2029 for the Bachelor of Architecture).

## McCombs School of Business

A business student may graduate under the catalog covering any academic year in which the student was enrolled at the University. A business honors student who adds a second business major must graduate under the same catalog for both majors.

Whichever catalog the student chooses, all degree requirements must be completed within six years of the end of the two-year period covered by that catalog. For example, a student who chooses to graduate according to the requirements in the 2020-2022 catalog must do so by the end of the summer session 2028.

## Cockrell School of Engineering

An engineering student may graduate under the catalog covering any academic year in which the student was enrolled in the school. Whichever catalog the student chooses, all degree requirements must be completed within six years of the end of the two-year period covered by that catalog. For example, a student who chooses to graduate according to the requirements in the 2020-2022 catalog must do so by the end of the summer session 2028.

Course substitutions in the degree program are permitted only with the approval of the departmental undergraduate advisor and the dean.

## College of Pharmacy

A pharmacy student may graduate under the catalog in effect immediately preceding the student's admission to the college or the catalog covering any academic year in which the student was enrolled in the professional curriculum in the college. Whichever catalog they choose, students must complete all degree requirements within seven years of the end of the two-year period covered by that catalog. For example, a student who chooses to graduate according to the requirements in the 2020-2022 catalog must do so by the end of the summer session 2029.

## School of Undergraduate Studies

Richard Reddick, EdD, *Dean*

Lori Holleran Steiker, *Associate Dean*

Jeanette M. Herman, PhD, *Assistant Dean, Academic Initiatives*

Patty Moran Micks, *Assistant Dean*

<http://ugs.utexas.edu/>

## General Information

### Mission

The School of Undergraduate Studies oversees the components of a college education that are shared by all undergraduates at the University. The mission of the school includes responsibility for sustaining a dynamic common curriculum and enriching the undergraduate experience through innovative advising, career counseling, academic assistance, learning communities, interdisciplinary programs, and undergraduate research. The overall functions of the school are organized as follows:

### Common Curriculum

- To instill in each student the distinctive traits of a University of Texas at Austin graduate and broadly educated person.

- To ensure a high-quality Core Curriculum by working closely with the other colleges and schools to set and enforce standards for the courses required of all undergraduate students.
- To develop and maintain innovative classes for first-year students.
- To set standards for and to evaluate courses that satisfy campus-wide requirements in writing and speaking, ethics, global cultures, cultural diversity, quantitative reasoning, and independent inquiry.
- To assess and support ongoing curricular innovation and teaching excellence in these courses and throughout the undergraduate curriculum.

## Strategic Advising & Career Counseling

- To provide training and resources for advisors from every college and school.
- To support students in their search for interdisciplinary experience and education.
- To prepare students for graduate school or their careers with the workplace knowledge needed for making sound choices.

## Academic Assistance

- To provide multiple avenues by which students can develop the ability to succeed academically.
- To help students improve performance inside and outside traditional classrooms.

## Learning Communities

- To support student success by cultivating community-based academic experiences, especially for first-year students.
- To foster leadership among students in these communities.

## Interdisciplinary Programs

- To create and coordinate interdisciplinary certificate and degree-granting programs, working closely with the other colleges and schools.
- To develop integrated strands of courses for satisfying campus-wide requirements.

## Undergraduate Research

- To foster undergraduate participation in the University's creative activity and research.

## Admission and Registration

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Applicants who are undecided about their major or area of academic interest should consult the Admission and Registration sections in the [College of Liberal Arts](#) (p. 284), the [College of Natural Sciences](#) (p. 391), and the [Moody College of Communication](#) (p. 93) chapters of this catalog.

Detailed information about the admission process is provided in the [General Information Catalog](#), which also includes information about registration, adding and dropping courses, transferring from one division of the University to another, and the academic calendar. The [Course Schedule](#), published before registration each semester, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and [General Information Catalog](#) are available through the registrar's [website](#).

# Academic Policies and Procedures

## Basic Education Requirements

The University strives to enroll exceptionally well-prepared, highly motivated students and to produce self-reliant graduates who will become leaders in both their chosen professions and their communities. The University must not only equip its graduates with occupational skills, but also educate them broadly enough to enable them to adapt to and cope with the accelerated process of change occurring in business, professional, and social institutions today. Students must be exposed to a broad spectrum of arts and science so that they may be educated beyond vocational requirements and thus be prepared for responsible citizenship in an increasingly complex world.

All graduates of the University are expected to:

- communicate clearly and accurately, defend an idea on the basis of evidence, draw conclusions, and evaluate the arguments of others
- have a critical understanding of the society in which we live and the ways it has evolved through time
- be able to analyze ethical issues and their possible resolutions
- understand facets of science and the ways in which knowledge of the universe is gained and applied
- understand aspects of mathematics and apply quantitative skills to problem solving
- have a critical understanding of how human cultures are expressed in literature, philosophy, or language
- participate in and/or critically analyze some area of the visual and performing arts
- participate in the process of inquiry through research, creative endeavors, or related activities

To help students in all majors acquire the traits of an educated person, the general faculty of the University has adopted the Core Curriculum outlined below. All students, regardless of major, must complete the Core Curriculum prior to earning an undergraduate degree.

Often, courses required by the student's degree program may be used concurrently to fulfill one or more of the Core Curriculum requirements listed below. When possible, students should select Core Curriculum courses that also satisfy specific requirements of their intended degrees. For more information, students should consult their advisors and the degree requirements given in the college/school sections of this catalog.

## Core Curriculum

All students pursuing an undergraduate degree at the University must complete the 42-hour statewide Core Curriculum. The core component area requirements are consistent with statewide Core Curriculum guidelines; the area of the statewide core component area that each requirement meets is given in parentheses in the table below. A single course may not be counted toward more than one core component area.

Courses used to fulfill Core Curriculum requirements must be taken for a letter grade; the minimum acceptable grade is *D*. Individual degree plans may not require a higher minimum standard for Core Curriculum courses in general. However individual degree plans may set a higher minimum grade standard for Core Curriculum courses that are also required in the major field or are required as prerequisites for courses in the major.

Core Component Area	Semester Credit Hours
First-Year Signature Course (Texas Core Code 090) Course should be taken during the student's first year enrolled at the University.	3
English Composition and Core Writing Flag (Texas Core Code 010)	6
Humanities (Texas Core Code 040)	3
American and Texas Government (Texas Core Code 070)	6
U.S. History (Texas Core Code 060)	6
Social and Behavioral Sciences (Texas Core Code 080)	3
Mathematics (Texas Core Code 020)	3
Natural Science and Technology, Part I (Texas Core Code 030)	6
Natural Science and Technology, Part II (Texas Core Code 093)	3
Visual and Performing Arts (Texas Core Code 050)	3
Total number of semester credit hours	42

The School of Undergraduate Studies monitors the Core Curriculum and its courses to ensure that they meet the guidelines set by the general faculty and the Texas Higher Education Coordinating Board. For the complete list of courses that have been approved to count for each core component area for all students at The University of Texas at Austin, students should consult the current [General Information Catalog](#) or see the Undergraduate Studies [website](#). Students should consult the [Course Schedule](#) in order to see the Core Curriculum course offerings in any given semester.

## Completion of Core Component Area Requirements

State law requires that courses fulfilling a core component area (including the institutionally designated option) at one Texas public institution must transfer and substitute for the receiving institution's requirements. However, this only applies to courses taken prior to matriculation to The University of Texas at Austin. While a student holds degree-seeking status at the University, courses taken to fulfill core component area requirements must be chosen from The University of Texas at Austin's Core Curriculum course list published in the [General Information Catalog](#) for the current academic year, regardless of where they are taken. Students may petition to substitute transferred coursework for specific core component area requirements.

## Completion of the Core Curriculum at Texas Public Institutions

All students pursuing an undergraduate degree at the University must complete the 42-hour statewide Core Curriculum. Entering students are only considered Core Complete if they have submitted a transcript from an accredited Texas public institution of higher education that:

- indicates the student was awarded an academic associate's or bachelor's degree at that institution or
- marks the student Core Complete based on coursework completed prior to matriculation to The University of Texas at Austin.

Undergraduate degree-seeking students who do not meet the criteria above are considered Core Complete upon completion of coursework that satisfies all core component area requirements in their UT Austin degree audit.



## Students Previously Awarded Bachelor's Degrees at non-Texas or Private Institutions

Students pursuing an undergraduate degree who have submitted a transcript from an accredited private or out of state institution that indicates the student was awarded a bachelor's degree prior to matriculation to UT Austin are not required to complete additional coursework to complete the Core Curriculum and will be marked with a core status of "waived" in the UT Austin degree audit. However individual degree plans may require specified Core Curriculum courses in the major field or Core Curriculum courses that are required as prerequisites for courses in the major.

Core status of "waived" is used for UT Austin degree audit purposes only as it relates to undergraduate degree completion, does not appear on the UT Austin official transcript, nor does it transfer outside of UT Austin.

## Signature Courses

The Signature Courses at The University of Texas at Austin (Undergraduate Studies 302 and 303) introduce students to new ways of learning through a myriad of subjects and topics by connecting students with distinguished faculty members in unique learning environments. In this rigorous intellectual experience, students develop advanced college-level skills in research, writing, speaking, and discussion through an approach that is both interdisciplinary and contemporary. These classes range from the arts and humanities to the hard sciences, but every class has unique components that help students throughout their college career and beyond. All students are required to take a Signature Course to fulfill university Core Curriculum requirements. Transfer students have the option to register for [Transfer Signature Courses](#).

The Signature Courses:

- put new students in contact with top faculty from across the University;
- help guide students as they strive to become better writers, speakers, and problem solvers;
- assist students in using research methods and critical thinking skills that are necessary to perform well in all of their other courses;
- familiarize students with the gems of the University;
- engage students in a university-wide academic event.

More information about Signature Courses is available at <http://ugs.utexas.edu/sig>.

## Additional Basic Education Requirements

### Skills and Experience Flags

The Skills and Experience Flags are a unique and innovative feature of all undergraduate degrees at The University of Texas at Austin. The Flags are specifically designed to provide the enriched education that all students will need to become effective future leaders in our society and a constantly evolving workplace. To this end, in the process of fulfilling the Core Curriculum, major, and other degree requirements, all undergraduate students are required to complete courses with content in the following six Flag areas:

- Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative reasoning: one flagged course
- Global cultures: one flagged course
- Cultural diversity in the United States: one flagged course

- Ethics: one flagged course
- Independent inquiry: one flagged course

Courses used to fulfill Flag requirements must be taken for a letter grade unless the flagged course is only offered on a pass/fail basis; the minimum acceptable grade is *D-*. Individual degree plans may not require a higher minimum standard for flagged courses in general. However, individual degree plans may set a higher minimum grade standard for flagged courses that are also required in the major field or are required as prerequisites for courses in the major.

Courses with sufficient content in these areas will be identified in the [Course Schedule](#) by the appropriate Flags. The School of Undergraduate Studies monitors flagged courses to ensure that they meet the guidelines set by the general faculty. When a course is approved to carry more than one Flag, enrolled students may use all of those Flags to fulfill degree requirements, except that the Global Cultures Flag and the Cultural Diversity in the United States Flag must be earned in separate courses.

While all undergraduate degree programs require the Flags, some are still in the process of implementing the third Writing Flag requirement. Students who choose to graduate according to the requirements of the *2022-2024 Undergraduate Catalog* (p. 8) should consult their advisors and the degree requirements listed in the schools/colleges sections of this catalog to determine which of the Flag requirements apply to them and how to integrate them into their degree plans.

Because Flags are a unique feature of a University of Texas at Austin degree, they are designed to be completed in residence. Students may submit substitution petitions through the School of Undergraduate Studies for the following types of courses to satisfy Flag requirements once they have been accepted for University of Texas at Austin credit:

- courses taken for a letter grade as part of a study abroad program
- courses taken for a letter grade through Texas Extended Campus
- in-residence courses taken for a letter grade
- transfer courses from other colleges or universities taken for a letter grade prior to the student's first semester enrolled at The University of Texas at Austin

The following types of courses or credit are rarely eligible for Flag substitution:

- dual credit courses, or courses taken prior to high school graduation
- credit-by-exam courses, including courses for which Advanced Placement, A levels, or International Baccalaureate credit is earned
- any course of less than three weeks (fewer than 21 days)
- transfer courses from other colleges or universities taken during or after the student's first semester enrolled at The University of Texas at Austin (with the exception of study abroad courses)

In all cases, Flag substitution petitions will be evaluated to determine whether the course taken satisfies the Flag criteria and interpretation at a level of rigor expected for courses at The University of Texas at Austin.

## Foreign Language

In addition to the Core Curriculum requirements above, undergraduates are expected to have completed two years in a single foreign language in high school. Students without at least two years of high school foreign language coursework in the same foreign language must earn credit for the beginning level proficiency course or sequence in a foreign language; this credit does not count toward the student's degree. For the description of beginning level proficiency in a specific foreign language, please see <https://liberalarts.utexas.edu/student-affairs/Majors-and-Minors/foreign-language-requirement.php>. Students should

consult their advisors and the degree requirements listed in the colleges/schools sections of this catalog to determine whether additional foreign language requirements apply to them.

## Degrees and Programs

The School of Undergraduate Studies does not offer degree programs, yet does house many programs and centers to support students in their path toward a degree, as well as minor and certificate programs. See the [Programs and Centers](#) (p. 26) page for program and center information, and the [Minor and Certificate Programs](#) (p. 25) page for minor and certificate programs offered by the School of Undergraduate Studies.

## Minor and Certificate Programs

### Bridging Disciplines Programs

The Bridging Disciplines Programs (BDPs) support students in becoming versatile thinkers with the skills to collaborate across disciplines and cultures. The BDPs are designed to complement a student's major with an individualized plan of study leading to an interdisciplinary certificate in one of the following areas:

- Children and Society
- Conflict Resolution and Peace Studies
- Design Strategies
- Digital Arts and Media
- Environment and Sustainability
- Ethics and Leadership in Business
- Ethics and Leadership in Health Care
- Ethics and Leadership in Law, Politics, and Government
- Human Rights and Social Justice
- Innovation, Creativity, and Entrepreneurship
- Museum Studies
- Patients, Practitioners, and Cultures of Care
- Public Policy
- Smart Cities
- Social Entrepreneurship and Nonprofits
- Social Inequality, Health, and Policy

Each BDP is overseen by an interdisciplinary faculty panel that sets policy, approves courses, and selects students. Within each broad area, students choose a strand of specialized courses drawn from disciplines across the University. Students are encouraged to use the BDP theme to select courses and integrate degree requirements; to this end, courses taken to fulfill core curriculum requirements, courses fulfilling major requirements, and electives may also be counted toward a BDP. In order to provide students with an interdisciplinary set of perspectives on their BDP topics, the BDP certificate may include no more than one strand course from a student's major(s), and students will be required to work with a BDP advisor to ensure that the certificate as a whole is interdisciplinary. Participation in undergraduate research, internships and creative projects is also central to the design of the BDPs.

All degree-seeking undergraduates at the University are eligible to apply for the BDPs. With careful planning, a BDP can complement most degree plans. However, because the BDPs build on core requirements and electives, students are encouraged to start early in their University careers. Students using a BDP certificate to satisfy a specific degree requirement should consult their major and BDP advisors about possible restrictions on what courses may simultaneously satisfy BDP and other degree requirements. Because there is significant overlap in program

focus and course work, the following majors and BDP certificates may not be combined:

- Students majoring in Arts and Entertainment Technology may not pursue the Digital Arts and Media BDP.
- Students majoring in Environmental Science or Sustainability Studies may not pursue the Environment and Sustainability BDP.
- Students majoring in Public Health or Health and Society may not pursue the Public Health strand of the Social Inequality, Health, and Policy BDP; they may, however, pursue other strands within that program.

Undergraduates who complete BDP requirements in conjunction with their degree requirements or within one year after earning the degree receive a certificate and recognition on the University transcript; students in integrated undergraduate/graduate programs must complete certificate requirements within one year after they complete their undergraduate degree requirements. A maximum of nine semester hours of the certificate coursework may be taken after the student has earned the undergraduate degree. At least half of the required certificate coursework must be completed in residence at the University.

Students should request certification from the BDP office when they apply for graduation or when they complete the certificate program, whichever is later. Transcript recognition is awarded at the end of that semester or summer session.

In order to earn a BDP certificate, students must satisfy the following requirements:

Requirements	Hours
At least 19 semester hours of coursework. The distribution of coursework varies by specialization, and students should consult the BDP office for the requirements of each program. For all specializations, the coursework requirements consist of the following:	19
Foundation Courses: One to 10 hours in foundation courses that introduce key concepts and methodologies related to the interdisciplinary concentration.	
Connecting Experiences: Three to nine hours in undergraduate research, internships, and/or creative project courses that connect students' interdisciplinary concentration to their major.	
Courses in a Strand: Six to 12 hours in courses in a strand, which allows students to focus their remaining BDP coursework. <sup>1</sup>	
A three- to four-page integration essay in which students reflect on what they have learned and accomplished through their BDP experience. <sup>2</sup>	
Completion of the requirements of a major.	
Please Note:	
Students must earn a grade of at least C- in each of the courses taken to fulfill BDP requirements and the cumulative grade point average in all courses counting toward a student's BDP certificate must be at least 2.00. All but one of the courses taken to fulfill BDP requirements must be taken on the letter-grade basis.	
At least half of the required course work in the BDP certificate must be completed in residence at The University of Texas at Austin.	
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1. Course listings for BDP strands are located on the BDP website at <a href="http://ugs.utexas.edu/bdp">http://ugs.utexas.edu/bdp</a> .	

2. These essays will be reviewed by members of a BDP faculty panel. Additional guidelines are available from the BDP advisors.

More information about BDPs is available at <http://ugs.utexas.edu/bdp>.

## Programs and Centers

### James W. Vick Advising Excellence Center

The James W. Vick Advising Excellence Center supports and elevates the advising community at The University of Texas at Austin by working to ensure all advisors have the training, tools, and resources they need to best support their students.

The Vick Advising Excellence Center partners with the Academic Counselors Association (ACA) in developing advisor training and professional development opportunities, exploring innovative tools to support advising, gathering data to support advising needs, and researching and sharing best practices to empower all advisors on campus. The Vick Advising Excellence Center also serves as a conduit between the advising community and university leadership to elevate issues and champion ideas for the betterment of advisors.

The Vick Advising Excellence Center also provides support for advising related to the Core Curriculum and the Skills and Experience Flags. More information is available at <http://ugs.utexas.edu/vick>.

### Sanger Learning Center

The Sanger Learning Center is a university-wide learning resource dedicated to students' mastery of course content and development of transferable academic and professional skills. Services are free to currently enrolled students in all schools and colleges (some restrictions may apply).

#### Summary of Services

- Appointment Tutoring provides one-to-one tutoring sessions for many challenging undergraduate courses.
- Drop-in Tutoring offers informal, group-based content support for many lower-division math, physics, and chemistry courses.
- Learning Specialist Appointments are private academic counseling appointments. Students can explore time management, study skills, test anxiety and more with SLC professional staff.
- Math Refreshers are workshops to refresh students' algebra, trigonometry, and calculus skills.
- Math Reviews help calculus and pre-calculus students prepare for exams.
- Peer Academic Coaching offers students the opportunity to develop effective study skills by meeting one-on-one with a trained peer academic coach.
- Peer-led Undergraduate Studying supports student performance and motivation with weekly study groups in historically difficult upper-division courses.
- The Public Speaking Center provides one-to-one consultation services to undergraduate and graduate students who are working on oral communication assignments.
- Supplemental Instruction offers guided study sessions to support students in historically difficult, lower-division courses.

More information about the Sanger Learning Center is available at <http://ugs.utexas.edu/slc>.

## 360 Connections

The 360 Connections initiative was developed so all first-year students have the opportunity to connect with a small peer group during their first semester on campus. By participating in a 360 Connection (which may be a cohort, program, community, group, or class), students receive a holistic, 360° view of life as a Longhorn. More information about the 360 Connections is available at <http://ugs.utexas.edu/360>.

### First-year Interest Groups

A First-year Interest Group (FIG) is comprised of 18-25 new students who take two to four classes together during their first semester at the University. FIGs help students integrate socially, academically, and developmentally to ensure a smooth transition to college life, leading to academic success and on-time graduation. Each group attends a weekly seminar led by a peer mentor and a staff facilitator. Each FIG student attends classes, studies, and participates in various activities with their mentor and fellow first-years. More information about FIGs is available at <http://ugs.utexas.edu/fig>.

### Transfer-year Interest Groups

Transfer-year Interest Groups (TrIGs) provide a unique opportunity for new transfer students to build a peer academic community, gain the skills to meet the University's level of academic rigor, and register for their first-choice courses. Each TrIG includes a peer mentor and staff facilitator who meet with students in regular seminars, small group meetings, and one-on-one discussions. More information about TrIGs is available at <http://ugs.utexas.edu/tye/trig>.

### Bridging Disciplines Programs

The Bridging Disciplines Programs (BDPs) are designed to complement a student's major with an individualized plan of study leading to an interdisciplinary certificate in one of the following areas:

- Children and Society
- Conflict Resolution and Peace Studies
- Design Strategies
- Digital Arts and Media
- Environment and Sustainability
- Ethics and Leadership in Business
- Ethics and Leadership in Health Care
- Ethics and Leadership in Law, Politics, and Government
- Human Rights and Social Justice
- Innovation, Creativity, and Entrepreneurship
- Museum Studies
- Patients, Practitioners, and Cultures of Care
- Public Policy
- Smart Cities
- Social Entrepreneurship and Nonprofits
- Social Inequality, Health, and Policy

All degree-seeking undergraduates at the University are eligible to apply. More information about BDPs is available at <http://ugs.utexas.edu/bdp>.

### Office of Undergraduate Research

The Office of Undergraduate Research (OUR) fosters undergraduate participation in research and creative activity across the disciplines by raising the visibility of undergraduate research on campus, facilitating students' pursuit of research related to their interests and goals, and helping students share their work with others.

Services offered include weekly sessions on how to get involved in research, individual advising, and workshops on a variety of topics like designing and presenting a research poster. The office coordinates Research Week, the University's annual celebration of undergraduate research and creative activity.

Undergraduate Research also oversees [Eureka](#), an online database devoted to undergraduate research projects and opportunities at the University. More information on the Office of Undergraduate Research is available at <http://ugs.utexas.edu/our>.

## Texas Success Initiative

The Texas Success Initiative (TSI) is a state-mandated program designed to improve student success in college. There are two components of the program: (1) an assessment to determine students' basic skills in reading, mathematics, and writing and (2) developmental instruction to strengthen academic skills.

Developmental instruction options include a co-requisite model under which students concurrently enroll in a developmental studies course and credit-bearing course for each subject area for which the student is referred to developmental coursework. Co-requisite courses are available only to students who meet both Texas Success Initiative (TSI) eligibility and specific program requirements.

All non-exempt students are required by law to take the TSI Assessment (TSIA), which is the only college-readiness assessment approved by the Texas Higher Education Coordinating Board. More information about the Texas Success Initiative, including a list of exemptions, is available in the [General Information Catalog](#) and at <http://ugs.utexas.edu/tsi>.

## Texas Career Engagement

Texas Career Engagement is a campus-serving unit that provides career-related programming, services and resources to all University of Texas at Austin undergraduate, graduate, and professional students, and ensures equitable access to talent across the institution for employers. Our collective work helps students discover career options, complement academics with experiential learning, develop professional skills, connect with employers for internships and employment, and prepare for advanced-degree programs. At our core, Texas Career Engagement exists to advance equitable access to career education, experiences, opportunities, and success. More information is available at <http://careerengagement.utexas.edu/>.

## Internship and Career Experiences Program

The Texas Career Engagement Internships and Career Experiences program creates, supports and provides experiential learning opportunities for students and faculty. This is done through the creation of internships, workshops, programmatic support, resources for faculty, and experiences that enhance learning with career readiness. Texas Career Engagement administers select internship and career-related courses for undergraduate and graduate students including:

- Undergraduate Studies 107D (Topic 2: Exploring Careers and Majors), offered by the School of Undergraduate Studies, is a one-credit course open to first- and second-year students of all majors who are unsure of their major or career direction. This is an exploratory course focused on helping students learn more about themselves, their values, interests, and personalities, and exploring majors across campus and potential career options.
- A zero-credit, tuition-free internship course that maintains a student's enrollment is available to all undergraduate and graduate students participating in internships and other career experiences. More information is available at <http://careerengagement.utexas.edu/>

[undergraduate-students/get-experience/internships/zero-credit-internships-career-experiences-course/](#)

## Home to Texas

Texas Career Engagement manages Home to Texas, a scholarship-funded summer program that connects first-year students with internship and research opportunities in their hometown communities. Home to Texas helps students develop a strong professional foundation early in the UT Austin experience, build connections for a potential future, and prepare to become the next generation of community leaders. More information is available at <http://careerengagement.utexas.edu/undergraduate-students/get-experience/home-to-texas/>.

## Archer Fellowship Program

The Archer Fellowship Program is a credit-bearing academic program offered by UT Austin's academic colleges and schools administered by Texas Career Engagement that provides students a unique opportunity to live, work, and learn in our nation's capital during the fall or spring semester. While in Washington, D.C., students complete UT Austin coursework and gain hands-on work experience in an internship of their choice. Tailored to students' own personal and intellectual interests, the Archer Fellowship Program was founded to support qualified undergraduates in the pursuit of noble public service. The Archer Fellowship Program is a joint effort of the UT System Office of Federal Relations, the [Archer Center](#), and the nine participating UT System academic campuses. More information is available at <http://ugs.utexas.edu/archer>.

## Graduation Help Desk

The Graduation Help Desk consolidates all the tools available to help students stay on track to graduate and offers students assistance enrolling in classes required to fulfill degree requirements. Graduation Help Desk staff work with students, advisors, and faculty to resolve roadblocks to timely graduation. Some of those tools include:

- Senior Countdown - Students commit to graduating on time. We help them get there. By enrolling in Senior Countdown, students are given priority access to the Graduation Help Desk and are guaranteed access to courses they need to graduate.
- Completion Scholarships – Students who are at risk of not graduating because of unmet financial need benefit from completion scholarships. These scholarships allow students to pay for the final course they need to cross the finish line or help them get back on track for a timely graduation.

More information is available at <http://studentsuccess.utexas.edu/resources/graduation-help-desk>. The Graduation Help Desk team can also be contacted at [graduationhelpdesk@utexas.edu](mailto:graduationhelpdesk@utexas.edu) or by phone at 512-475-7378.

## University Leadership Network

University Leadership Network (ULN) is a nationally recognized incentive-based scholarship program. ULN's mission is to encourage and support students to graduate in four years and become leaders through professional and experiential learning opportunities that advance their education, communities, and lives. ULN participation is by invitation only; and eligibility is based on a student's financial need demonstrated by the Free Application for Federal Student Aid (FAFSA). The financial support and comprehensive four-year plan allow students to streamline their educational experience, helping them to minimize student loan debt and graduate career-ready and poised to become leaders in their community. ULN's main functions include:

- Building Community
- Developing Leadership Skills
- Career Readiness via Experiential Learning
- Financial Education

More information is available at <http://studentsuccess.utexas.edu/programs/uln>. The ULN team can also be reached at [uln@austin.utexas.edu](mailto:uln@austin.utexas.edu).

## UT For Me - Powered by Dell Scholars

UT for Me – Powered by Dell Scholars was developed in partnership with the Michael & Susan Dell foundation to support Pell-eligible Longhorns throughout their time at The University of Texas at Austin, helping them stay on track toward their degrees and a timely graduation. UT for Me provides its students with ongoing and individualized support and multiple program benefits for up to six years, including laptops, textbook credits, emergency funds, events and programming, and a dedicated team of student support staff and peer ambassadors.

More information is available at <http://utforme.utexas.edu>. The UT for Me team can also be reached at [utforme@austin.utexas.edu](mailto:utforme@austin.utexas.edu).

## Courses, School of Undergraduate Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Undergraduate Studies: [Bridging Disciplines \(BDP\)](#), [Developmental Studies \(DEV\)](#), and [Undergraduate Studies \(UGS\)](#).

## School of Architecture

D. Michelle Addington, DDes, *Dean*

Ulrich Dangel, Dipl Ing, M Arch, *Associate Dean for Academic Affairs*

Allan W. Shearer, PhD, *Associate Dean for Research and Technology*

Charlton N. Lewis, M Arch, *Assistant Dean for Student Affairs*

Jeff S. Evelyn, BA, *Assistant Dean for Finance and Administration*

<http://soa.utexas.edu/>

## General Information

### Accreditation

The School of Architecture is a member of the Association of Collegiate Schools of Architecture and the Association of Collegiate Schools of Planning.

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit professional degree programs in architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted an eight-year, three-year, or two-year term of accreditation, depending on the extent of its conformance with established institutional standards.

Doctor of Architecture and Master of Architecture degree programs may require a preprofessional undergraduate degree in architecture for admission. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

The University of Texas at Austin School of Architecture offers the following NAAB-accredited degree programs:

- B. Arch. (161 undergraduate credits)
- M. Arch (preprofessional degree + 60 credits)
- M. Arch. (non-preprofessional degree + 96 credits)

Most recent accreditation visit for all programs: 2018. Next accreditation visit for all programs: 2026.

The Bachelor of Architecture and Master of Architecture satisfy the registration requirements of the Texas Board of Architectural Examiners.

The Council for Interior Design Accreditation (CIDA) is an independent, non-profit accrediting organization for interior design education programs at colleges and universities in the United States and internationally. Founded in 1970, this knowledge-driven organization has been passionately committed to the ongoing enrichment of the interior design profession through identifying, developing and promoting quality standards for the education of entry-level interior designers, and then encouraging, accrediting and supporting educational programs to aspire to those standards.

Through a process of program self-evaluation and peer review, accreditation promotes achievement of high academic standards, while making education more responsive to student and societal needs. More than 150 interior design programs are currently accredited by the Council, serving an estimated 20,000 students.

The University of Texas at Austin School of Architecture offers the following CIDA-accredited degree program:

Bachelor of Science in Interior Design (126 credits)

Next accreditation visit for Interior Design: Spring 2027.

The Bachelor of Science in Interior Design satisfies the interior design registration requirements of the Texas Board of Architectural Examiners, and is also accredited by the National Association of Schools of Art and Design.

The Master of Science in Community and Regional Planning is accredited by the American Planning Association.

### Mission

The School of Architecture seeks to assist those who wish to develop knowledge, sensitivity, and skill in design, planning, and construction, so that as architects, interior designers, and planners they may improve the human environment. The curriculum offers opportunities for a broad education in professional subjects and in the arts and the humanities. Through avenues that stress solving actual and theoretical problems, the school seeks to enhance the knowledge and skill necessary to link understanding to experience, theory to practice, and art to science in ways that respond to human needs, aspirations, and sensibilities. Through its consortium of architects, interior designers, planners, and educators and scholars in these fields, the school provides a service to society and to the architecture, interior design, and planning professions by advancing the state of the art in design and technology.

### History

The University began offering professional degrees in architecture in 1910 within the Department of Engineering. The School of Architecture was established in 1948 as a division of the College of Engineering and became an autonomous school of the University in September 1951. Graduate study in architecture began at the University in 1912. More

than five thousand undergraduate and graduate degrees in architecture and planning have been conferred.

Education in community and regional planning was first offered as an undergraduate study option in the School of Architecture from 1948 to 1957. The Master of Science in Community and Regional Planning was formally approved in October 1959; the Doctor of Philosophy, in April 1995.

Education in interior design was first offered in 1939 within the degree of Bachelor of Science in Home Economics. In 1992 the College of Natural Sciences created the Bachelor of Science in Interior Design degree program; in the fall of 1998 this program was transferred to the School of Architecture. The first interior design degrees were conferred by the school in May 2001.

## Facilities

The [School of Architecture](#) is housed in four adjacent buildings at the heart of the campus: [Battle Hall](#) (1911) and [Sutton Hall](#) (1918, renovated in 1982), designed by the American architect Cass Gilbert; [Goldsmith Hall](#) (1933, expanded and renovated in 1988), designed by the French architect Paul Philippe Cret; and the [West Mall Office Building](#) (1961) by the Texas firm Jessen, Jessen, Millhouse, and Greeven.

The [Architecture and Planning Library](#), a branch of The University of Texas Libraries, supports the School of Architecture by directly enhancing the value, relevance, and effectiveness of its teaching, research, and public service goals. The library, located in historic Battle Hall, also serves the public with ongoing exhibitions displayed in the grand reading room.

All students, faculty, and staff have convenient access to literature, information, and visual and digital resources that support education and research. While the library is located in close proximity to the school, its catalog, instructional guides, and digital content are web-based, allowing virtual discovery and access via the Internet. Staff provide expert information services that teach and develop research, as well as evaluative and critical thinking skills necessary for professional practice and lifelong learning. The Architecture and Planning Library is home to a large circulating collection, subject-specific journals, special collections of rare or unique publications, and the [Alexander Architectural Archives](#), one of the largest such repositories in the country. Materials currently collected by the library and archive meet the curricular needs of the school's programs and enable faculty and graduate students to undertake original research projects.

The [Center for Sustainable Development](#), located in West Mall Building, supports sponsored research undertaken by the School of Architecture. The center is unique in its integration of diverse interests to develop creative, balanced, and achievable solutions to the physical and social challenges facing the planning, construction, and preservation of buildings, neighborhoods, landscapes, and regions. Its offices include space for Graduate Research Assistants (GRAs) to work on projects.

The [Center for American Architecture and Design](#), located in Battle Hall, supports scholarship and criticism on architecture and related professional disciplines through lectures, exhibitions, seminars, and symposia. Regular scholarly publications of the center include *CENTER* and *Centerline* book series.

[Comparative Mobility for Competitive Megaregions](#), located in West Mall Building, leads a consortium of universities to provide research that supports legal and analytical frameworks for megaregion transportation planning. It is a United States Department of Transportation Tier 1 University Transportation Center.

The [Technology Lab and Service Desk](#), located in Sutton Hall, supports a variety of services for teaching and research including access to scanning, printing, and plotting systems. In addition, students can check out digital cameras, digital video cameras, laptops, projectors, light meters, and other digital resources. The Service Desk provides assistance with advanced design and analysis applications. The [Digital Fabrication Lab](#) provides access to a variety of digital fabrication tools for 3D scanning, 3D printing, laser cutting, and CNC routing. The related [Robotics Lab](#) provides access and support to students and faculty who wish to pursue advanced digital workflows that produce physical results. The Lighting Studio provides an area with photographic backdrops and controlled lighting to photograph architectural models and other objects. The Virtual Reality Lab supports dedicated hardware and software for immersive representations. The computer classrooms in the West Mall Building provide 56 dedicated workstations that serve as open computer lab space when not in use for classroom instruction.

The [Build Lab/Wood Shop](#), located in Goldsmith Hall, plays an integral role in the creation of design—ranging from models to full-scale applications—by providing equipment and training, primarily in wood, but also in metal, plastic, and glass.

The [Thermal Lab](#), a testing facility of the Center for Sustainable Development, allows experimentation of building façade treatments with respect to direct and indirect use of energy.

The [Materials Lab](#), located in West Mall Building, is dedicated to material investigation in design and maintains a circulating library of material samples. The collection consists of traditional building construction materials as well as emerging, innovative, and sustainable materials and technologies. Material education is further supported through exhibitions, workshops, field trips, and in-house research.

The [Architectural Conservation Lab](#), located in West Mall Building, is home to the Materials Conservation course series. Additionally, the space allows the Historic Preservation Program to establish affiliations with related facilities on the University campus, including the School of Information Book and Paper Conservation Labs and the Conservation Department at the Harry Ransom Center.

A variety of other facilities support students in their coursework and professional development. The school's [Career Services Center](#), located in Sutton Hall, assists students with finding internships, identifying employment prospects, and preparing for interviews and negotiations with potential employers. The [Professional Residency Program](#) (PRP) offers upper-level architecture students a unique opportunity to expand their education through work experience in the architectural profession. PRP has provided internship opportunities to honors students in the School since 1974 and, over the past 25 years, our students have been linked with 300 firms in 30 countries..

The [Lady Bird Johnson Wildflower Center](#), located south of the main campus, conducts applied research on sustainable landscapes and ecosystem services, develops comprehensive educational materials, and consults on landscape development projects of all sizes to capitalize on the ability of sustainable landscapes to improve communities. The site consists of 284 acres, including nine acres of cultivated gardens.

The study of architecture, landscape architecture, and interior design draws upon the collections of the nearby [Harry Ransom Center](#), which include china, clothing, decorative arts, furniture, silver, and textiles that contribute to the study of the interior; as well as original maps, texts, and drawings that supplement the teaching of landscape history. Historic rooms and suites on campus include the Willoughby-Blake Room, the John Foster and Janet Dulles Suite, the Republic of Texas Suite, the Office of the President, and the Esther Hohlitzelle Parlor. Other collections on campus include the 15,000 pieces of art, furniture, and

accessories in the Elton and Martha Hyder collection and the collection of approximately forty chairs dating from the seventeenth through twentieth centuries that are housed in the Blanton Museum of Art.

The resources of the [Teresa Lozano Long Institute of Latin American Studies](#) and the [Benson Latin American Collection](#), and the proximity of Austin to Latin America, provide exceptional opportunities for the study of Latin American architecture and planning. School of Architecture faculty and students also collaborate with the Environmental Science Institute, the School of Social Work, the Center for Transportation Research, the Population Research Center, the Center for Research in Water Resources, the Bureau of Economic Geology, the Energy Institute, and other allied institutes.

## Financial Assistance Available through the School

Scholarship funds established by individuals, firms, foundations, and the University are available to current undergraduates in the School of Architecture. These include:

### Scholarships

Yvette Atkinson Memorial Scholarship in Architecture  
Marvin E. and Anne Price Beck Endowed Scholarship  
Carl O. Bergquist Endowed Scholarship  
Myron Geer Blalock Endowed Presidential Scholarship  
Hal Box Endowed Scholarship in Architecture  
Children of John and Christine Boylan Endowed Scholarship in Architecture  
George W. Brackenridge Scholarship Fund  
C. William Brubaker/Perkins+Will Endowed Presidential Scholarship  
John Buck Company and First Chicago Investment Advisors for Fund F Endowed Scholarship in Architecture  
Matt Casey Memorial Scholarship in Architecture  
John S. Chase Endowed Presidential Scholarship  
Dick Clark Student Travel Fund  
Fred W. and Laura Weir Clarke Endowed Presidential Scholarship in Architecture honoring Carl Bergquist  
Fred W. and Laura Weir Clarke Endowed Presidential Scholarship in Architecture honoring Alan Y. Taniguchi  
Cogburn Family Foundation Architecture and Urbanism Prize  
Peter O. Coltman Book Prize in Architecture and Planning  
Fred Winfield Day, Jr. Endowed Scholarship in Architecture  
Jorge Luis Divino Centennial Scholarship in Architecture  
Amy Dryden Endowed Scholarship  
Snøhetta Endowed Scholarship in Architecture established by Craig Dykers and Elaine Molinar  
William H. Emis III Traveling Scholarship in Architecture  
Ford, Powell and Carson Endowed Scholarship  
Ted Freedman Endowed Scholarship  
Suzie Friedkin Endowed Scholarship in Interior Design  
Adam Conrad Grote Memorial Scholarship in Architecture  
The HDR Architecture Endowed Scholarship  
Humphreys & Partners Endowed Scholarship in Architecture  
The Janet C. and Wolf E. Jessen Endowed Presidential Scholarship  
Henrietta Chamberlain King Endowed Scholarship  
Lake/Flato Endowed Scholarship  
LPA Endowed Scholarship for Sustainable Design  
Lynne Brundrett Maddox Scholarship in Interior Design

Harvey V. Marmon, Jr. FAIA/Marmon Mok Scholarship in Architecture  
Mike and Maxine Mebane Endowed Traveling Scholarship in Architecture  
Jack H. Morgan Endowed Scholarship  
Charles M. Nettles Endowed Presidential Scholarship  
Oglesby Prize Endowment  
Overland Partners Endowed Presidential Scholarship  
Barbara and Donald Pender Endowed Scholarship  
Edward J. Perrault Endowed Presidential Scholarship in Interior Design  
Alma Piner Scholarship in Architecture  
Boone Powell Family Prize in Urban Design  
Debbie Ann Rock Scholarship in Interior Design  
School of Architecture Faculty Fund for Student Domestic Travel  
School of Architecture Scholarship and Fellowship Award Endowment  
Brandon Shaw Memorial Endowed Scholarship  
Overton Shelmire Scholarship in Architecture  
Louis F. Southerland Endowed Scholarship  
Lance Tatum Endowed Scholarship  
Jack Rice Turner Endowed Scholarship in Architecture  
University of Texas at Austin School of Architecture's Advisory Council Women's Endowed Scholarship  
Wilmington "Vic" Vickrey Endowed Scholarship  
Lily Rush Walker and Coulter Hoppess Scholarship in Architecture  
Robert Leon White Memorial Fund—Architecture  
Roxanne Williamson Endowed Scholarship  
Trisha Wilson Endowed Professorship Fund

Students are encouraged to contact Texas One Stop for scholarship information.

Additionally, there are scholarships provided by the American Architectural Foundation, the American Institute of Architects, the Texas Architectural Foundation, the Texas Society of Architects, and the Texas American Planning Association. Incoming students may wish to contact local chapters of the American Institute of Architects, the American Society of Interior Designers, the International Interior Design Association, the University's Texas Exes, and other civic organizations about scholarship opportunities.

## Student Services

### Academic Advising

In the School of Architecture, the Student Affairs dean's office, located in Goldsmith Hall 2.116, and the Undergraduate Office, located in Sutton Hall 2.126, are responsible for providing information and advice to undergraduate students. An important aspect of the advising system is the portfolio requirement described in the section [Portfolio Review Requirement](#) (p. ) later in Admission and Registration. The student should also consult Degree Audit in the [Graduation](#) (p. 33) section.

### Career Services

The Career Services office, located in Sutton Hall 3.128, serves the students and alumni of the School of Architecture by offering career development and job search resources, connecting them to employers and key professionals.

### Student Organizations

The Undergraduate Architecture Student Council (UASC) represents all School of Architecture undergraduate students through the promotion and development of an awareness of the built environment and serves

as a nucleus for student activities. The UASC acts as a liaison between students and faculty members as well as administrators.

Alpha Rho Chi (APX) is a professional and social co-ed fraternity for architecture and the allied arts that promotes the artistic, scientific, and practical proficiency of its members and the profession. The Dinocrates Chapter at The University of Texas at Austin unites students from various years and studies through philanthropic and professional activities.

American Institute of Architecture Students (AIAS) is a professional organization whose mission is to promote excellence, appreciation, and advancement of architecture, and to enrich communities in a spirit of collaboration. AIAS strives to provide a sense of community and a forum for sharing different views.

Ampersand (&) is a student organization that combines the student chapters of the International Interior Design Association (IIDA) and the American Society of Interior Designers (ASID), provides students with networking opportunities, and promotes involvement within the interior design community.

The National Organization of Minority Architecture Students (NOMAS) is The University of Texas at Austin Student Chapter of the National Organization of Minority Architects. The organization strives to enhance education and professional networking as well as engage solutions to ensure a healthy living and working environment for the community at large.

The Society of Engineering and Architecture Students (SEAS) focuses on providing academic and social support to students in the Bachelor of Architecture/Bachelor of Science in Architectural Engineering dual degree program.

Tau Sigma Delta is an honors society for advanced students pursuing architectural study and the allied arts. The national chapter originated in 1913, and the School of Architecture established its own chapter, Mu, in 1931. In 2013, the 100th year anniversary of the original honors society, the School of Architecture reactivated the Mu chapter. This organization recognizes the significant level of academic achievement present in The University of Texas at Austin School of Architecture.

## Study Abroad and Internship Opportunities

The School of Architecture encourages first-hand experiences of diverse peoples, places and cultures, nationally and internationally, so that we might better engage the world in which we live. Educational travel experiences can be integrated into degree plans in several ways, including, but not limited to, the following:

The Architecture in Europe Program is a semester of study that emphasizes a broad and integrated experience covering the buildings and landscapes as well as the urban fabric across Europe. With a unique itinerary every fall, the program gives students special study opportunities with regard to design, history, and visual communication in each city visited.

Studio Mexico is a biennial advanced studio for architecture and landscape architecture students that explores the rich cultural and built environment of Mexico. During a nine-day trip to Mexico, students visit a project site and other significant places, and enjoy rich interaction with Mexican students working on the same project. Students participating in the studio are encouraged to take the Mexican architecture class taught by Professor Juan Miró, either concurrently with the studio or in the previous year.

The Professional Residency Program provides upper-level architecture students with a unique opportunity to expand their education through work experience in the architectural profession. The program has

provided work experience to honors students in the school since 1974, and over the past decades our students have been linked with over 300 firms in 30 countries.

# Admission and Registration

## Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

Students who are not admitted to the School of Architecture may not pursue any degree offered by the school. Information about admission is published by the school at <http://soa.utexas.edu/>.

The School of Architecture is one of the smallest academic units at The University of Texas at Austin. Our undergraduate student body exemplifies the diverse constitution of the communities we strive to serve. In support of unique perspectives and experiences, all applications are reviewed with an understanding that excellence may manifest itself in many areas and may be expressed in different forms, such as compelling essays, strong academic preparation, extracurricular activities, excellent test scores, life experiences, as well as other accomplishments.

## Freshman Admission

The School of Architecture is unable to accommodate all qualified applicants, and preference is given to candidates considered to have best demonstrated the interest, aptitude, and dedication to pursuing a design education. All applicants are evaluated with emphasis on the following areas: SAT or ACT scores, class rank, essays, academic preparation, extracurricular activities, and other achievements. Texas-resident high school students have priority over nonresidents in admission decisions. All applicants must fulfill the high school unit requirements given in the [General Information Catalog](#).

To be considered for admission to the School of Architecture, applicants should select the appropriate degree program on the ApplyTexas application: architecture, interior design, the architecture/architectural engineering dual degree program, the architecture/Plan II dual degree program, architectural studies, or architectural studies with an emphasis on architectural history. All application materials must be submitted to the Office of Admissions by the deadline to apply for admission to the University for the fall semester; this date is given in *General Information Catalog*. Applicants to the dual degree program offered with the Plan II Honors Program must submit an additional application; more information about [Plan II](#) (p. 334) is provided within the Liberal Arts section of the *Undergraduate Catalog*.

## Transfer

### Internal Transfer

Students currently or formerly enrolled in other University degree programs who wish to enroll in a degree program in the School of Architecture must complete an online Internal Transfer Application by the spring semester deadline to be considered for admission for the following fall semester. To be eligible to apply for internal transfer, students must have completed a minimum of 24 semester hours of credit in residence (excluding credit-by-exam) by the end of a spring semester, with a University grade point average of at least 3.25. Emphasis is given to strong performance in University courses, especially courses relevant to the degree program to which the applicant is applying. Meeting these requirements is no guarantee for admission.



## External Transfer

Transfer applicants from architecture and interior design programs in other universities will be evaluated with emphasis given to excellence in design (portfolio required), academic preparation, essays, and other achievements. Course credit and placement in studio sequence is determined upon acceptance. External transfer admission is offered to a few qualified applicants each year.

Students applying to transfer from another university to the School of Architecture should select the appropriate degree program on the ApplyTexas application. All application materials must be submitted to the Office of Admissions by the deadline to apply for admission to the University for the fall semester; this date is given in the [General Information Catalog](#). To be considered for transfer admission to the School of Architecture, the applicant must have completed at least 30 semester hours of transferable college coursework with a grade point average of at least 3.25, and must submit a portfolio which includes architecture or interior design studio work from another university; information about the portfolio is given on the University's [transfer admission website](#). All admission decisions are made before the end of the spring semester; the Office of Admissions cannot consider spring coursework in progress.

## Transfer Credit

External transfer students with credit from another school must submit samples of their design work and, if applicable, visual communication work, transcripts, course descriptions and/or syllabi for courses in their majors. On the basis of the information submitted, the Program Director for Architecture or Interior Design determines the level at which students enter the design sequence and assigns credit toward the degree if appropriate.

## Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The online [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, rooms, and instructors. The *Course Schedule* and *General Information Catalog* are published on the registrar's [website](#).

Students should carefully verify that they have completed all course prerequisites, consult the academic advisors in the Undergraduate Office, and take courses each semester in the suggested sequence to fulfill prerequisites in following semesters.

## Minimum Number of Hours in the Long Session

Students must register each semester for at least 12 semester hours of coursework prescribed for the degree. Registration for fewer hours must be approved by the Undergraduate Office.

## Portfolio Review Requirement

### Architecture:

As a requirement to enter the advanced studio sequence, all students pursuing architecture degrees must satisfactorily complete the Portfolio Review process and submit a portfolio that summarizes all previous design and visual communication coursework. Guidelines for the Portfolio Review process, including timeline and deadlines, are available from the Undergraduate Office.

The Portfolio Review process provides critical information to the faculty reviewing committee in evaluating the student's progress toward the

degree. The faculty reviewing committee, at its discretion, may require the student to retake an intermediate design studio and participate in a final Portfolio Review at the end of the following semester in order to determine eligibility to enter advanced studios.

A student is limited to three Portfolio Review attempts. Students who do not have a satisfactory Portfolio Review by the third attempt are advised to change to the [Bachelor of Science in Architectural Studies](#) degree.

### Interior Design:

Upon completing Architectural Interior Design 530K, *Design V-Interiors* students are required to submit a portfolio that summarizes the work completed in all the previous design and visual communication courses. A satisfactory portfolio review is required for enrollment in Architectural Interior Design 530T, *Design VI-Interiors*. Guidelines for submission of the portfolio, including deadline, are available from the Undergraduate Office.

A successful completion of the Architectural Interior Design 530T, *Design VI-Interiors* studio, along with the completion of a follow-up portfolio consultation with the reviewing committee, are required for entry into Architectural Interior Design 560R, *Advanced Interior Design*. The portfolio provides critical information to the reviewing committee in evaluating the student's progress toward the degree. The reviewing committee, at its discretion, may require the student to complete additional work, including courses prior to or after registering for advanced studios.

## Academic Policies and Procedures

### Equipment and Supplies

Students are responsible for their own tools and supplies, which include, but are not limited to, laptop computer and software, hand drawing and modeling equipment, and materials. More information on the Student Computer Policy is available at <http://soa.utexas.edu/>.

### Academic Standards

To progress in all degree programs offered by the School of Architecture and to qualify for graduation, a student must earn a grade of at least C in all architecture, interior design, and community and regional planning courses. In a case where a student earns a grade below C, the course may only be repeated once.

In the process of fulfilling the requirements for degrees in the School of Architecture, including the core curriculum, students must earn credit for one flag in cultural diversity in the United States, one flag in ethics, one flag in global cultures, one flag in independent inquiry, one flag in quantitative reasoning, and three flags in writing beyond Rhetoric and Writing 306 or its equivalent. Courses used to fulfill flag requirements may be used simultaneously to fulfill other degree requirements. Courses with flags are identified in the [Course Schedule](#). Students should consult with their academic advisor to determine how to fulfill flag requirements in the process of fulfilling other degree requirements.

## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of

work done are considered. Criteria for University Honors are given in the [General Information Catalog](#).

## Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the [General Information Catalog](#).

## School of Architecture Recognition Awards

<b>Award</b>	<b>Alpha Rho Chi Medal</b>
<b>Donor</b>	Alpha Rho Chi, professional architectural fraternity
<b>Eligibility</b>	Graduating student who has shown an ability for leadership, has performed willing service to the school, and gives promise of professional merit through attitude and personality.

<b>Award</b>	<b>AIA Medal for Academic Excellence</b>
<b>Donor</b>	American Institute of Architects
<b>Eligibility</b>	Graduating student, in recognition of scholastic achievement, character, and promise of professional ability.

<b>Award</b>	<b>Boone Powell Family Prize in Urban Design</b>
<b>Donor</b>	Boone Powell, Leilah Powell, and the Catherine H. Powell Family Trust
<b>Eligibility</b>	Non-graduating undergraduate or graduate student pursuing a degree in architecture or planning from The University of Texas at Austin; based on merit in urban design.

<b>Award</b>	<b>The Oglesby Prize</b>
<b>Donor</b>	Oglesby Family
<b>Eligibility</b>	Students graduating from The University of Texas at Austin with either a Bachelor of Architecture or Master of Architecture; based on merit in architectural design.

## Graduation

All students must fulfill the [general requirements](#) (p. 20) for graduation given in The University section. Students in the School of Architecture must also fulfill the following requirements.

- a. The University requires that the student complete in residence at least 60 semester hours of the coursework counted toward the degree. In the School of Architecture, 30 of these 60 hours must be in the major or in a field closely related to the major as approved by the dean.
- b. A candidate for a degree must be registered at the University either in residence or *in absentia* the semester or summer session the degree is to be awarded. Students are encouraged to contact their academic advisor to indicate their intent to graduate at the beginning of the semester or summer session in which they intend to graduate.

## Degree Audit

The Undergraduate Office prepares a degree audit for each currently enrolled student each semester. The degree audit lists the courses the student has taken, the degree requirements they have fulfilled, and the remaining requirements. The student may also use the University's [Interactive Degree Audit \(IDA\)](#) system at any time. It is the student's responsibility to know the requirements for the degree as stated in a catalog under which they are eligible to graduate and to register to fulfill those requirements.

## Degrees and Programs

### Degrees Offered

Five undergraduate degree programs are offered by the School of Architecture: Bachelor of Architecture; Bachelor of Architecture/Bachelor of Science in Architectural Engineering; Bachelor of Architecture/Bachelor of Arts, Plan II; Bachelor of Science in Architectural Studies; and Bachelor of Science in Interior Design. Specific requirements and suggested arrangement of courses for each degree program are given under individual major degree requirements.

### Applicability of Certain Courses

#### Extension Courses

A student in residence may be allowed to take coursework by extension. Credit that the student in residence earned by extension will not be counted toward the degree unless it is approved in advance by the undergraduate dean's office. No more than 30 percent of the semester hours required for any degree may be taken by extension.

#### Courses Taken on the Pass/Fail Basis

An undergraduate may count toward the degree up to 15 hours of coursework in electives completed on the pass/fail basis; credit earned by examination is not counted toward the 15 hours. If a student chooses to major in a subject in which he or she has taken a course pass/fail, the major department decides whether the course may be counted toward the student's major requirements. Complete rules on registration on the pass/fail basis are given in the [General Information Catalog](#).

#### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. They may not be counted toward the number of hours required for a degree in the School of Architecture. However, they are counted among courses for which the student is enrolled, and the grades are included in the grade point average.

#### ROTC Courses

No more than six semester hours of air force science, military science, or naval science coursework may be counted toward any degree in the School of Architecture. These courses may be used only as lower-division electives (in degree programs that have such electives) and only by students who complete the third and fourth years of the ROTC program.

#### Admission Deficiencies

Students admitted to the University with deficiencies in high school units must remove them as specified in the [General Information Catalog](#). Course credit used to remove deficiencies may not be counted toward the student's degree.

# Bachelor of Science in Interior Design

As a four-year professional degree, the Bachelor of Science in Interior Design (BSID) is a rigorous design-oriented curriculum with a strong theoretical basis to integrate creative problem-solving skills with an understanding of the aesthetic, technological, and behavioral aspects of design.

## Curriculum

A total of at least 126 hours of coursework is required for the Bachelor of Science in Interior Design.

All students must complete the University's [Core Curriculum](#) (p. 23) as well as the courses listed in the following table. In some cases, a course that is required for the BSID degree may also be counted toward the core curriculum; these courses are identified below.

Requirements	Hours
<b>Architectural Interior Design, Architecture</b>	
Design	
ARI 310K Design I	3
ARI 310L Design II	3
ARI 320K Design III–Interiors	3
ARI 520L Design IV–Interiors	5
ARI 530K Design V–Interiors	5
ARI 530T Design VI–Interiors	5
ARI 560R Advanced Interior Design (taken twice)	10
Visual communication	
ARI 311K Visual Communication I	3
ARI 311L Visual Communication II	3
ARI 221K Visual Communication III	2
Design theory	
ARI 350R Topics in Interior Design Theory	3
Interior building systems and construction	
ARC 415K Construction I	4
ARI 434K Construction II–Interior Materials and Assemblies	4
Professional practice	
ARI 362 Interior Design Practice	3
History	
ARI 318K Interiors and Society	3
ARI 318M Interior Design History	3
ARI 368R Interior Design History II	3
ARC 342R Topics in the History of Architecture (All ARC 342 courses in the series ARC 342C-W may count)	3
Environmental controls	
ARI 324K Environmental Controls I	3
ARC 334L Environmental Controls II	3
Human behavior	
ARI 338 Designing for Human Behavior	3
Professional internship	
ARI 130 Interior Design Internship	1
<b>Core Curriculum Requirements</b>	

PHY 309K	Elementary Physics for Nontechnical Students (physics sequence meets part I of the science and technology requirement of the core curriculum)	3
PHY 309L	Elementary Physics for Nontechnical Students	3
PSY 301	Introduction to Psychology (meets the social and behavioral sciences requirement of the core curriculum)	3
ARC 318L	World Architecture: The Industrial Revolution to the Present (meets the visual and performing arts requirement of the core curriculum)	3

### Other Requirements

Art history	3
Electives	6
Additional coursework to satisfy the core curriculum	27
<b>Total Hours</b>	<b>126</b>

## Suggested Arrangement of Courses, Interior Design (BSID)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARI 310K (Major)	3	ARI 310L (Major)	3	(None)	
ARI 311K (Major)	3	ARI 311L (Major)	3		
ARI 318K (Major)	3	RHE 306 (Core) <sup>010</sup>	3		
Mathematics (Core) <sup>020</sup>	3	PHY 309K (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	PSY 301 (General Education)	3		
15		15		0	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARI 320K (Major)	3	ARI 520L (Major)	5	(None)	
ARI 221K (Major)	2	ARI 434K (Major)	4		
ARC 415K (Major)	4	ARI 318M (Major)	3		
ARC 318L (Major)	3	GOV 310L (Core) <sup>070</sup>	3		
PHY 309L (General Education)	3				
15		15		0	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARI 530K (Major)	5	ARI 530T (Major)	5	ARI 130	1
ARI 324K (Major)	3	ARC 334L (Major)	3		
ARI 368R (Major)	3	ARI 362 (Major)	3		
ARI 338 (Major)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
17		17		1	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARI 560R (Major)	5	ARI 560R (Major)	5	(None)	
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	ARI 350R (Major)	3		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	ARH course (General Education)	3		

Free elective (Elective)	3		
	17	14	0

Total credit hours: 126

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Bachelor of Architecture Curriculum

As a five-year professional degree program, the Bachelor of Architecture features a rigorous design-oriented curriculum with a solid foundation in technology and the history and theory of architecture. The curriculum prepares students for the challenges and demands of professional practice.

A total of at least 161 hours of coursework is required for the Bachelor of Architecture. All students must complete the University's [Core Curriculum](#) (p. 23) as well as the courses listed in the following table. In some cases, a course that is required for the BArch may also be counted toward the core curriculum; these courses are identified below.

Requirements	Hours
<b>Major Sequence Courses</b>	
<b>Design</b>	
ARC 310K Design I	3
ARC 310L Design II	3
ARC 323D Design III Intermediate Studio	3
ARC 523E Design IV Intermediate Studio	5
ARC 523F Design V Intermediate Studio	5
ARC 561C Comprehensive Studio	5
ARC 561R Advanced Design (taken four times)	20
<b>Visual communication</b>	
ARC 311K Visual Communication I	3
ARC 311L Visual Communication II	3
ARC 221K Visual Communication III	2
ARC 361T Technical Communication	3
<b>Professional experience</b>	
ARC 362 Professional Practice	3
<b>Site design</b>	
ARC 333 Site Design	3
<b>Environmental controls</b>	
ARC 334K Environmental Controls I	3

ARC 334L Environmental Controls II	3
<b>Construction, Structures, and Architectural Detail/Materials</b>	
ARC 415K Construction I	4
ARC 415L Construction II	4
ARC 435R Structures I	4
ARC 435S Structures II	4
ARC 335T Architectural Details and Materials	3
<b>History</b>	
ARC 308 Architecture and Society (visual and performing arts)	3
ARC 318K World Architecture: Origins to 1750	3
ARC 318L World Architecture: The Industrial Revolution to the Present	3
ARC 342R Topics in the History of Architecture (taken 3 times. All ARC 342 courses in the series ARC 342C-W may count)	9
<b>City Architecture</b>	
ARC 369J City Architecture	3
<b>Other required courses</b>	
M 408C Differential and Integral Calculus (mathematics)	4
PHY 302K General Physics Technical Course: Mechanics, Heat, and Sound (physics sequence meets part I science and technology)	3
PHY 105M Laboratory For Physics 302K, 303K, and 317K	1
PHY 302L General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics (physics sequence meets part I science and technology)	3
PHY 105N Laboratory For Physics 302L, 303L, and 317L	1
Electives approved by the Undergraduate Office.	15
<b>Core curriculum</b>	
Additional coursework to satisfy the core curriculum	27
<b>Total Hours</b>	<b>161</b>

## Suggested Arrangement of Courses, Architecture (BArch)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 310K (Major)	3	ARC 310L (Major)	3	(None)	
ARC 311K (Major)	3	ARC 311L (Major)	3		
ARC 308 (Major)	3	ARC 318K (Major)	3		
M 408C (General Education)	4	PHY 302K & PHY 105M (General Education)	4		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
	16		16		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 323D (Major)	3	ARC 523E (Major)	5	(None)	
ARC 221K (Major)	2	ARC 415L (Major)	4		
ARC 415K (Major)	4	ARC 333 (Major)	3		

ARC 318L (Major)	3	U.S. History (Core) <sup>060</sup>	3
PHY 302L & PHY 105N (General Education)	4		
	16		15

#### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 523F (Major)	5	ARC 561 C		5 (None)	
ARC 435R (Major)	4	ARC 435S (Major)	4		
ARC 334K (Major)	3	ARC 334L (Major)	3		
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	Social and behavioral sciences (Core) <sup>080</sup>	3		
	15		15		0

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 561R (Major)	5	ARC 561R		5 (None)	
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	ARC 335T (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	ARC 361T (Major)	3		
Free elective courses (Elective)	6	ARC 369J	3		
		GOV 312L (Core) <sup>070</sup>	3		
	17		17		0

#### Fifth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 561R (Major)	5	ARC 561R (Major)		5 (None)	
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	ARC 362 (Major)	3		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	U.S. History (Core) <sup>060</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Free elective courses (Elective)	6		
Free elective (Elective)	3				
	17		17		0

Total credit hours: 161

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Bachelor of Architecture/Bachelor of Science in Architectural Engineering Dual Degree Program

As a six-year dual professional degree program, the Bachelor of Architecture/Bachelor of Science in Architectural Engineering is founded upon the mutual interests of both architecture and architectural engineering.

For admission to the dual degree program, a student must meet the [Admission Requirements](#) (p. 31) of the School of Architecture and the requirements given in [Admission and Registration](#) (p. 149) for the Cockrell School of Engineering. Students are advised to contact both the School of Architecture and the Cockrell School of Engineering for specific information about the dual degree program.

Students in the dual degree program complete the requirements of the Bachelor of Architecture and the Bachelor of Science in Architectural Engineering degrees. See the descriptions for the five-year [Bachelor of Architecture](#) (p. 35) degree program and the [Bachelor of Science in Architectural Engineering](#) (p. 159) for more information.

The following outline of courses is the suggested method for completing the requirements for both degrees simultaneously. Dual degree students must also consult the additional requirements of the [Bachelor of Science in Architectural Engineering](#) (p. 159) degree. Dual degree students are responsible for fulfilling the requirements of both degrees.

A student who follows the suggested arrangement of courses completes all requirements for both degrees at the end of the spring semester of the sixth year.

## Curriculum

A total of at least 195 hours of coursework is required for this dual degree program.

All students must complete the University's [Core Curriculum](#) (p. 23) as well as the courses listed in the following table. In some cases, a course that is required for the dual degree program may also be counted toward the core curriculum; these courses are identified below.

Requirements	Hours	
<b>Architecture</b>		
<b>Design</b>		
ARC 310K	Design I	3
ARC 310L	Design II	3
ARC 323D	Design III Intermediate Studio	3
ARC 523E	Design IV Intermediate Studio	5
ARC 523F	Design V Intermediate Studio	5
ARC 561C	Comprehensive Studio	5
ARC 561R	Advanced Design (taken three times)	15
<b>Visual communication</b>		
ARC 311K	Visual Communication I	3
ARC 311L	Visual Communication II	3
ARC 221K	Visual Communication III	2
ARC 361T	Technical Communication	3
<b>Professional practice</b>		
ARC 362	Professional Practice	3
<b>Site design</b>		
ARC 333	Site Design	3

<b>Construction</b>		
ARC 335T	Architectural Details and Materials	3
<b>History</b>		
ARC 308	Architecture and Society (visual and performing arts)	3
ARC 318K	World Architecture: Origins to 1750	3
ARC 318L	World Architecture: The Industrial Revolution to the Present	3
ARC 342R	Topics in the History of Architecture (taken 3 times. All ARC 342 courses in the series ARC 342C-W may count.)	9
<b>Community and Regional Planning</b>		
ARC 369J	City Architecture	3
<b>Engineering and Other Degree Requirements</b>		
ARE 102	Introduction to Architectural Engineering	1
ARE 323K	Project Management and Economics	3
ARE 335	Materials and Methods of Building Construction	3
ARE 346N	Building Environmental Systems	3
ARE 346P	HVAC Design	3
or ARE 371	Energy Simulation in Building Design	
ARE 465	Integrated Design Project	4
ARE 366	Contracts, Liability, and Ethics	3
CH 301	Principles of Chemistry I (part II science and technology)	3
C E 311K	Introduction to Computer Methods	3
C E 311S	Probability and Statistics for Civil Engineers	3
C E 324P	Properties and Behavior of Engineering Materials	3
C E 319F	Elementary Mechanics of Fluids	3
C E 329	Structural Analysis	3
C E 331	Reinforced Concrete Design	3
or C E 335	Elements of Steel Design	
C E 357	Geotechnical Engineering	3
E M 306	Statics	3
E M 319	Mechanics of Solids	3
E S 333T	Engineering Communication	3
GEO 303	Introduction to Geology	3
M 408C	Differential and Integral Calculus (mathematics)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra	4
M E 310T	Applied Thermodynamics	3
PHY 303K	Engineering Physics I (physics sequence meets part I science and technology)	3
PHY 303L	Engineering Physics II	3
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
Approved mathematics or science elective		3

Approved technical electives	9
Additional coursework to satisfy the core curriculum	24
<b>Total Hours</b>	<b>195</b>

## Suggested Arrangement of Courses, Architecture/ Architectural Engineering (BArch/ BSArchE)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 310K (Major)	3	ARC 310L (Major)	3	(None)	3
ARC 311K (Major)	3	ARC 311L (Major)	3		3
ARC 308 (Major)	3	ARC 318K (Major)	3		3
ARE 102 (Major)	1	M 408D (General Education)	4		4
M 408C (General Education) <sup>020</sup>	4	PHY 303K (General Education)	3		3
UGS 302 or 303 (Core) <sup>090</sup>	3	PHY 105M (General Education)	1		1
	17		17		0

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 323D (Major)	3	ARC 523E (Major)	5	(None)	5
ARC 221K (Major)	2	ARC 333 (Major)	3		3
ARC 318L (Major)	3	C E 311K (Major)	3		3
E M 306 (Major)	3	E M 319 (Major)	3		3
PHY 303L (General Education)	3	CH 301 (Major)	3		3
PHY 105N (General Education)	1				
RHE 306 (Core) <sup>010</sup>	3				
	18		17		0

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 523F (Major)	5	ARC 561C (Major)	5	(None)	5
C E 311S (Major)	3	ARE 335 (Major)	3		3
C E 329 (Major)	3	ARE 346N (Major)	3		3
C E 324P (Major)	3	M 427J (General Education)	4		4
M E 310T (Major)	3				
	17		15		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	ARC 369J (Major)	3	(None)	3
C E 319F (Major)	3	ARE 323K (Major)	3		3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	C E 331 or 335 (Major)	3		3
Mathematics or Science course (Elective)	3	C E 357 (Major)	3		3
Social and Behavioral Sciences (Core) <sup>080</sup>	3	GOV 310L (Core) <sup>070</sup>	3		3
	15		15		0

### Fifth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 561R (Major)	5	ARE 366 (Major)	3	(None)	3
ARC 335T (Major)	3	ARE 465 (Major)	4		4
ARE 346P or 371 (Major)	3	Approved technical courses (Major)	6		6
E S 333T (General Education)	3	U.S. History (Core) <sup>060</sup>	3		3

Approved technical course (Elective)	3				
	17		16		0
<b>Sixth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
ARC 561R (Major)	5	ARC 561R (Major)	5	(None)	
ARC 361T (Major)	3	ARC 362 (Major)	3		
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3		
GEO 303 (Major)	3	GOV 312L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3				
	17		14		0
<b>Total credit hours: 195</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Architecture/Bachelor of Arts, Plan II Dual Degree Program

The Bachelor of Architecture/Bachelor of Arts, Plan II, dual degree program is sponsored jointly by the School of Architecture and the College of Liberal Arts. The five-year program, which includes summer sessions, offers the academic and professional advantage of a strong liberal arts background.

Students interested in this program should consult the [Plan II Program](#) (p. 334) description given in the College of Liberal Arts.

The following outline of courses is a suggested method for simultaneously completing the requirements for both degree programs. Students should consult their advisors, the lists below, and the [Bachelor of Arts, Plan II](#) (p. 334) degree program given in the College of Liberal Arts to ensure that their coursework plans will fulfill all requirements of both degrees.

### Curriculum

A total of at least 186 hours of coursework is required for this dual degree program.

All students must complete the University's [Core Curriculum](#) (p. 23) as well as the courses listed in the following table. In some cases, a course that is required for the dual degree program may also be counted toward the core curriculum; these courses are identified below.

Requirements	Hours	
<b>Architecture</b>		
<b>Design</b>		
ARC 310K	Design I	3
ARC 310L	Design II	3
ARC 323D	Design III Intermediate Studio	3
ARC 523E	Design IV Intermediate Studio	5
ARC 523F	Design V Intermediate Studio	5
ARC 561C	Comprehensive Studio	5
ARC 561R	Advanced Design (taken four times)	15
<b>Visual communication</b>		
ARC 311K	Visual Communication I	3
ARC 311L	Visual Communication II	3
ARC 221K	Visual Communication III	2
ARC 361T	Technical Communication	3
<b>Professional practice</b>		
ARC 362	Professional Practice	3
<b>Site design</b>		
ARC 333	Site Design	3
<b>Environmental controls</b>		
ARC 334K	Environmental Controls I	3
ARC 334L	Environmental Controls II	3
<b>Construction</b>		
ARC 415K	Construction I	4
ARC 415L	Construction II	4
ARC 435R	Structures I	4
ARC 435S	Structures II	4
ARC 335T	Architectural Details and Materials	3
<b>History</b>		
ARC 308	Architecture and Society (meets the visual and performing arts requirement of the core curriculum)	3
ARC 318K	World Architecture: Origins to 1750	3
ARC 318L	World Architecture: The Industrial Revolution to the Present	3
ARC 342R	Topics in the History of Architecture (taken 3 times. All ARC 342 courses in the series ARC 342C-W may count)	9
<b>Planning</b>		
ARC 369J	City Architecture	3
<b>Other Degree Requirements</b>		
E 303C	Plan II World Literature Part I (meets the English composition requirement of the core curriculum)	3
or T C 303C	Plan II World Literature Part I	
E 303D	Plan II World Literature Part II (meets the humanities requirements of the core curriculum)	3
or T C 303D	Plan II World Literature Part II	
Foreign language as specified for Plan II		16-18
M 408C	Differential and Integral Calculus (meets the mathematics requirement of the core curriculum)	4
PHL 610Q	Problems of Knowledge and Valuation	6

PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound (physics sequence meets part I of the science and technology requirement of the core curriculum)	3
or PHY 303K	Engineering Physics I	
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics	3
or PHY 303L	Engineering Physics II	
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
S S 302C	Honors Social Science: Methods and Theory (meets the social and behavioral sciences requirement of the core curriculum)	3
or S S 302D	Honors Social Science: Psychology	
or S S 302E	Honors Social Science: Anthropology	
or S S 302F	Honors Social Science: Economics	
T C 302	First-Year Signature Course: Plan II (meets the first-year signature course requirement of the core curriculum)	3
T C 358	Plan II Junior Seminar (taken two times)	6
T C 660H	Thesis Course: Honors	6
BIO 301E	Problems in Modern Biology (counts toward part II of the science and technology requirement of the core curriculum)	3
Natural science elective		3
Elective		3
Additional coursework to satisfy the core curriculum		12
<b>Total Hours</b>		<b>181-183</b>

## Suggested Arrangement of Courses, Architecture/Plan II Honors (BArch/BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 310K (Major)	3	ARC 310L (Major)	3	PHY 302K (General Education)	3
ARC 311K (Major)	3	ARC 311L (Major)	3	PHY 105M (Major)	1
ARC 308 (Major)	3	ARC 318K (Major)	3	PHY 302L (General Education)	3
E 303C or T C 303C (Core) <sup>010</sup>	3	E 303D or T C 303D (Core) <sup>040</sup>	3	PHY 105N (Major)	1
T C 302 (Core) <sup>090</sup>	3	M 408C (General Education) <sup>020</sup>	4		
	<b>15</b>		<b>16</b>		<b>8</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 323D (Major)	3	ARC 523E (Major)	5	Foreign Language (General Education)	6
ARC 221K (Major)	2	ARC 415L (Major)	4	Foreign Language (General Education)	6
ARC 415K (Major)	4	ARC 333 (Major)	3		

ARC 318L (Major)	3	ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3		
U.S. History (Core) <sup>060</sup>	3				
	<b>15</b>		<b>15</b>		<b>12</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 523F (Major)	5	ARC 561C (Major)	5	Foreign Language (General Education)	6
ARC 435R (Major)	4	ARC 435S (Major)	4	GOV 310L (Core) <sup>070</sup>	3
ARC 334K (Major)	3	ARC 334L (Major)	3	GOV 312L (Core) <sup>070</sup>	3
PHL 610QA (Major)	6	PHL 610QB (Major)	6		
	<b>18</b>		<b>18</b>		<b>12</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 561R (Major)	5	ARC 561R (Major)	5	(None)	
T C 358 (Major)	3	ARC 335T (Major)	3		
S S 302C (Major)	3	ARC 361T (Major)	3		
U.S. History (Core) <sup>060</sup>	3	BIO 301E (Major)	3		
		T C 358 (Major)	3		
	<b>14</b>		<b>17</b>		<b>0</b>
Fifth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 561R (Major)	5	ARC 561R (Major)	5	(None)	
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3	ARC 362 (Major)	3		
T C 660HA (Major)	3	ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3		
Natural Science Course (General Education)	3	ARC 369J (Major)	3		
Free elective (Elective)	3	T C 660HB (Major)	3		
	<b>17</b>		<b>17</b>		<b>0</b>
<b>Total credit hours: 194</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Architectural Studies

The four-year, pre-professional Bachelor of Science in Architectural Studies (BSAS) degree program, with an optional architectural history track, is an excellent platform for future graduate studies in architecture



and associated fields. The required coursework is concentrated in the first three years, leaving the fourth year to develop the student's career interests.

Applicants for admission to this program must fulfill the [Requirements for Admission](#) (p. 31) to the School of Architecture.

The Bachelor of Science in Architectural Studies alone does not fulfill the educational requirements for registration as an architect. Students interested in pursuing registration must complete a first-professional degree in architecture.

## Curriculum

A total of at least 125 hours of coursework is required for the Bachelor of Science in Architectural Studies.

All students must complete the University's [Core Curriculum](#) (p. 23) as well as the courses listed in the following table. In some cases, a course that is required for the BSAS may also be counted toward the core curriculum; these courses are identified below.

Requirements	Hours
<b>Architecture</b>	
<b>Design</b>	
ARC 310K Design I	3
ARC 310L Design II	3
ARC 323D Design III Intermediate Studio	3
ARC 523E Design IV Intermediate Studio	5
ARC 523F Design V Intermediate Studio	5
<b>Visual communication</b>	
ARC 311K Visual Communication I	3
ARC 311L Visual Communication II	3
ARC 221K Visual Communication III	2
<b>Design theory</b>	
ARC 327R Topics in Architectural Theory (All courses in the series ARC 327C-W may count.)	3
<b>Site design</b>	
ARC 333 Site Design	3
<b>Environmental controls</b>	
ARC 334K Environmental Controls I	3
<b>Construction</b>	
ARC 415K Construction I	4
ARC 415L Construction II	4
ARC 435R Structures I	4
<b>History</b>	
ARC 308 Architecture and Society (visual and performing arts)	3
ARC 318K World Architecture: Origins to 1750	3
ARC 318L World Architecture: The Industrial Revolution to the Present	3
ARC 342R Topics in the History of Architecture (All courses in the series ARC 342C-W may count.)	3
<b>Other Degree Requirements</b>	
M 408C Differential and Integral Calculus (meets the mathematics requirement of the core curriculum)	4

PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound (physics sequence meets part I science and technology)	3
or PHY 303K	Engineering Physics I	
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics	3
or PHY 303L	Engineering Physics II	
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
	Upper-division humanities course in literature, foreign language, philosophy, or another field approved by the Undergraduate Office	3
	Philosophy course	3
	Electives (foreign language courses that are used to remove an admission deficiency may not be used to fulfill this requirement and may not be counted toward the degree)	20
	Additional coursework to satisfy the core curriculum	27
<b>Total Hours</b>		<b>125</b>

## Electives

Twenty-six semester hours of electives are required for the completion of the Bachelor of Science in Architectural Studies degree program. These electives consist of three hours of upper-division coursework in humanities, three hours in philosophy, and 20 additional open elective hours, generally completed outside the School of Architecture. Students pursuing the architectural history track must take 18 of their 20 hours of open electives in architectural history. Up to six hours of related coursework taken at the University, and approved by the program director, may be used to fulfill the elective requirement.

## Suggested Arrangement of Courses, Architectural Studies (BSAS)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 310K (Major)	3	ARC 310L (Major)	3	(None)	
ARC 311K (Major)	3	ARC 311L (Major)	3		
ARC 308 (Major)	3	ARC 318K (Major)	3		
M 408C (General Education)	4	PHY 302K & PHY 105M (General Education)	4		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
	<b>16</b>		<b>16</b>		<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 323D (Major)	3	ARC 523E (Major)	5	(None)	
ARC 221K (Major)	2	ARC 415L (Major)	4		
ARC 415K (Major)	4	ARC 333 (Major)	3		
ARC 318L (Major)	3	U.S. History (Core) <sup>060</sup>	3		
PHY 302L & PHY 105N (General Education)	4				
	<b>16</b>		<b>15</b>		<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARC 523F (Major)	5	ARC 327R, 327C, 327E, 327F, 327G, 327J, 327P, 327R, or 327U (Major)		3 (None)	
ARC 435R (Major)	4	Free elective courses (Elective)	12		
ARC 334K (Major)	3				
ARC 342R, 342C, 342E, 342F, 342K, 342S, 342T, or 342U (Major)	3				
	15		15		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 310L (Core) <sup>070</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 (None)	
PHL course (Major)	3	GOV 312L (Core) <sup>070</sup>		3	
U.S. History (Core) <sup>060</sup>	3	Upper-division humanities course (General Education)		3	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Free elective courses (Elective)	8		
Social and Behavioral Sciences (Core) <sup>080</sup>	3				
	15		17		0

Total credit hours: 125

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

### Architectural History Minor

The Architectural History Minor is designed to provide a foundation in architectural history concepts for students outside of the School of Architecture. Any undergraduate outside of the School of Architecture with a University grade point average of at least 2.50 may take any

course listed below, whether pursuing the Architectural History Minor or not. Students may obtain only one minor from the School of Architecture.

Students who know they intend to complete the Architectural History minor should apply online at the earliest possible date; deadlines are March 1 for fall or summer, and October 1 for spring.

To fulfill the Architectural History Minor students must complete 15 semester hours of coursework as described below. At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis, and completed in conjunction with the students' major requirements. Six hours must be upper-division.

Registration for upper-division courses will require successful completion of 60 semester hours of coursework.

Students pursuing the Architectural History Minor may choose from among the following courses:

Requirements	Hours
<b>Lower-division</b>	
ARC 308	Architecture and Society 3
ARC 318K	World Architecture: Origins to 1750 3
ARC 318L	World Architecture: The Industrial Revolution to the Present 3

### Upper-division

All Architecture 342 courses (Architecture 342C through Architecture 342W)

In addition to the above courses students also may count any unnumbered advanced architectural history topics courses (Architecture 368R) completed prior to Fall 2016. Appropriate architecture theory courses, such as Architecture 327C through Architecture 327U or Architecture 350R topics courses, may count toward the minor by petition.

### Architectural Studies Minor

The Architectural Studies Minor is designed to provide a foundation in architecture concepts for students in majors outside of the School of Architecture. Any undergraduate outside of the School of Architecture with a University grade point average of at least 2.50 may take any course listed below, whether pursuing the Architectural Studies Minor or not. Students may obtain only one minor from the School of Architecture. Students who know they intend to complete the Architectural Studies Minor should apply online at the earliest possible date; deadlines are March 1 for fall or summer, and October 1 for spring.

To fulfill the Architectural Studies Minor, students must complete 15 semester hours of coursework as described below. At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis, and completed in conjunction with the students' major requirements. Six hours must be upper-division.

Registration for upper-division courses will require successful completion of 60 semester hours of coursework. Please see the [Course Schedule](#) to determine if instructor permission is required.

Students pursuing the Architectural Studies Minor may choose from among the following courses:

Requirements	Hours
<b>Lower-division</b>	
ARC 308	Architecture and Society 3

ARC 318K	World Architecture: Origins to 1750	3
ARC 318L	World Architecture: The Industrial Revolution to the Present	3

#### Upper-division

Architecture 327C through 327W courses

Architecture 342C through 342W courses

ARC 350R	Topics in Design Theory (Topic 1, 2, 3 OR 4)	3
ARC 369J or CRP 369K	City Architecture Principles of Physical Planning	3

In addition to the above courses, former architecture majors may use other architecture courses completed while in the School of Architecture toward their coursework for the Architectural Studies Minor. Unnumbered architecture topics courses (Architecture 350R and 368R) completed prior to Fall 2016 also may count.

## Interior Design Minor

The Interior Design Minor is designed to provide a foundation in interior design and architecture concepts for students outside of the School of Architecture. Any undergraduate outside of the School of Architecture with a University grade point average of at least 2.50 may take any course listed below, whether pursuing the Interior Design Minor or not. Students may obtain only one minor from the School of Architecture. Please see the [Course Schedule](#) to determine if instructor permission is required.

Students who know they intend to complete the Interior Design minor should apply online at the earliest possible date; deadlines are March 1 for fall or summer, and October 1 for spring.

To fulfill the Interior Design Minor students must complete 15 semester hours of coursework as described below. At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis, and completed in conjunction with the students' major requirements. Six hours must be upper-division.

Registration for upper-division courses will require successful completion of 60 semester hours of coursework.

Students pursuing the Interior Design Minor may choose from among the following courses:

Requirements		Hours
<b>Lower-division</b>		
ARI 318K	Interiors and Society	3
ARI 318M	Interior Design History	3
ARC 308	Architecture and Society	3
ARC 318K	World Architecture: Origins to 1750	3
ARC 318L	World Architecture: The Industrial Revolution to the Present	3
<b>Upper-division</b>		
ARI 338	Designing for Human Behavior	3
ARI 368R	Interior Design History II	3
Architectural Interior Design 342C through 342W courses		
Architecture 342C through 342W courses		

In addition to the above courses, former interior design majors may use other interior design and architecture courses completed while in the School of Architecture toward their coursework for the Interior Design Minor. Unnumbered interior design or architecture topics courses

(Architectural Interior Design 350R or Architecture 350R) completed prior to Fall 2016 also may count.

## Landscape Studies Minor

The Landscape Studies Minor is designed to provide a foundation in landscape studies concepts for students outside of the School of Architecture. Any undergraduate outside of the School of Architecture with a University grade point average of at least 2.5 may take any course listed below, whether pursuing the Landscape Studies Minor or not. Students may obtain only one minor from the School of Architecture.

Students who know they intend to complete the Landscape Studies minor should apply online at the earliest possible date; deadlines are March 1 for fall or summer, and October 1 for spring.

To fulfill the Landscape Studies Minor students must complete 15 semester hours of coursework as described below. At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis, and completed in conjunction with the students' major requirements. Six hours must be upper-division.

Registration for upper-division courses will require successful completion of 60 semester hours of coursework.

Students pursuing the Landscape Studies Minor may choose from among the following courses:

Requirements		Hours
<b>Lower-division</b>		
ARC 318K	World Architecture: Origins to 1750	3
ARC 318L	World Architecture: The Industrial Revolution to the Present	3
<b>Upper-division</b>		
ARC 327C	Urban Design History, Theory, and Criticism	3
ARC 327R	Topics in Architectural Theory (All ARC 327 courses in the series ARC 327C-W.)	3
ARC 327R	Topics in Architectural Theory (Topic 6: Design of New Communities)	3
ARC 342C	Mexican Architecture and Urbanism: From Pre-Columbian to Contemporary	3
ARC 342R	Topics in the History of Architecture (All ARC 342 courses in the series ARC 342C-W.)	3
LAR 342K	History and Theories of Landscape Architecture I	3
LAR 342L	History and Theories of Landscape Architecture II	3
LAR 342R	Topics in Landscape Architectural History (Topic 1: Romes Gardens and Landscapes)	3
LAR 342R	Topics in Landscape Architectural History (Topic 2: Professional Design Practice: Baroque Rome)	3
LAR 342R	Topics in Landscape Architectural History (Topic 3: Representing Landscape and Architecture, 1500-2015)	3

LAR 342R	Topics in Landscape Architectural History (Topic 4: Hybridity)	3
LAR 346R	Topics in Landscape Architectural Theory	3
LAR 346R	Topics in Landscape Architectural Theory (Topic 1: Ethics of Care)	3
LAR 347K	Living Systems Design I	3
LAR 347L	Living Systems Design II	3

In addition to the above courses students also may count any unnumbered advanced architectural history topics courses (Architecture 368R) and architectural theory courses (Architecture 350R) completed prior to Fall 2016.

## Courses, School of Architecture

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Architecture: [Architectural Interior Design \(ARI\)](#), [Architecture \(ARC\)](#), [Community and Regional Planning \(CRP\)](#), [Landscape Architecture \(LAR\)](#), and [Urban Design \(U D\)](#).

## School of Architecture Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Michelle Addington, Professor  
Henry M. Rockwell Chair in Architecture  
School of Architecture  
DEnvironD, Harvard University, 1997

Dean J Almy, Associate Professor  
School of Architecture  
MArch, University of Texas at Austin, 1989

Kevin S Alter, Professor  
The Sid W. Richardson Centennial Professorship in Architecture  
School of Architecture  
MArch, Harvard University, 1990

Simon D Atkinson, Professor  
Mike Hogg Professorship in Community and Regional Planning  
School of Architecture  
PhD, University of Sheffield, 1989

Adam Barbe, Lecturer  
School of Architecture  
MLA, University of Texas at Austin, 2008

Michael L Benedikt, Professor  
Hal Box Endowed Chair in Urbanism  
School of Architecture and School of Design and Creative Technologies  
MEnvironD, Yale University, 1975

Miroslava Benes, Associate Professor  
School of Architecture  
PhD, Yale University, 1989

Kory Bieg, Associate Professor  
School of Architecture  
MArch, Columbia University in the City of New York, 2002

Judith C Birdsong, Lecturer  
School of Architecture  
MArch, University of Florida, 1992

John P Blood, Distinguished Senior Lecturer  
School of Architecture  
MArch, Yale University, 1987

Danelle Irene Briscoe, Associate Professor  
School of Architecture  
MArch, Yale University, 2002

Miroslava Brooks, Visiting Professor  
School of Architecture  
MArch, Yale University, 2012

Todd Levon Brown, Lecturer  
School of Architecture  
PhD, City University of New York Graduate Center, 2021

Stephanie Choi, Lecturer  
School of Architecture  
MArch, Princeton University, 2007

Coleman Coker, Professor of Practice  
School of Architecture  
MFA, Memphis College of Art, 1994

Miriam S Collins, Assistant Professor  
School of Architecture  
MCityP, Massachusetts Institute of Technology, 2012

Ulrich C Dangel, Associate Professor  
School of Architecture  
MArch, University of Oregon, 1999

Elizabeth A Danze, Professor  
Bartlett Cocke Regents Professorship in Architecture  
School of Architecture and Program in the Human Dimensions of Organizations  
MArch, Yale University, 1990

Charles H Di Piazza, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 1996

Tara A Dudley, Assistant Professor  
School of Architecture  
PhD, University of Texas at Austin, 2013

Claire Eddleman-Heath, Lecturer  
School of Architecture  
MLA, Harvard University, 2011

Aren Edwards, Lecturer  
School of Architecture  
MA, University of Texas at Austin, 2020

Matt Fajkus, Associate Professor  
School of Architecture  
MArch, Harvard University, 2005

Nerea Feliz Arrizabalaga, Associate Professor  
School of Architecture  
BArch, Universidad Politecnica de Madrid (UPM), 2001

Juliana Felkner, Assistant Professor  
School of Architecture  
MArch, University of Kansas Main Campus, 2008

Frances Rogers Gale, Senior Lecturer  
School of Architecture  
MS, Columbia University in the City of New York, 1982

Michael L Garrison, Professor  
School of Architecture  
MArch, Rice University, 1971

Allison H Gaskins, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 2007

Marilyn Michael Glassell, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 2012

Travis A Glenn, Lecturer  
School of Architecture  
MLA, University of Texas at Austin, 2013

Francisco Henning Gomes, Associate Professor  
School of Architecture  
MArch, Harvard University, 1995

Jia Y Gu, Visiting Professor  
School of Architecture  
MArch, University of California-Los Angeles, 2014

Martin Haettasch, Lecturer  
School of Architecture  
MArch, Princeton University, 2007

Maggie Hansen, Assistant Professor  
School of Architecture  
MLA, University of Virginia, 2010

Hope Hasbrouck, Associate Professor  
School of Architecture  
MLArch, Harvard University, 1996

David D Heymann, Professor  
Harwell Hamilton Harris Regents Professorship in Architecture  
School of Architecture  
MArch, Harvard University, 1988

Michael Holleran, Associate Professor  
School of Architecture  
PhD, Massachusetts Institute of Technology, 1991

Benjamin Ibarra Sevilla, Associate Professor  
School of Architecture  
MS, Universidad de Alcala, 2005

Aleksandra Jaeschke, Assistant Professor  
School of Architecture  
DDes, Harvard University, 2018

Lysa A Janssen, Adjunct Assistant Professor  
School of Architecture  
MArch, Harvard University, 2008

Richard Wayne Jennings, Adjunct Professor  
School of Architecture  
PhD, Harvard University, 2008

Junfeng Jiao, Associate Professor  
School of Architecture and Department of Population Health  
PhD, University of Washington - Seattle, 2010

Alex Karner, Associate Professor  
School of Architecture  
PhD, University of California-Davis, 2012

Daniel Koehler, Assistant Professor

School of Architecture  
PhD, University of Innsbruck, 2015

Tekena Koko, Lecturer  
School of Architecture  
MArch, University of Southern California, 2012

Kyriakos Kyriakou, Lecturer  
School of Architecture  
MS, Columbia University in the City of New York, 2010

Fernando Luiz Lara, Professor  
Roland Gommel Roessner Centennial Professorship in Architecture  
School of Architecture  
PhD, University of Michigan-Ann Arbor, 2001

Charles Mell Lawrence, Adjunct Professor  
School of Architecture  
BArch, University of Texas at Austin, 1981

Charlton N Lewis, Senior Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 2013

Phoebe Lickwar, Associate Professor  
School of Architecture  
MLA, Rhode Island School of Design, 2006

Katherine E Lieberknecht, Assistant Professor  
School of Architecture  
PhD, Cornell University, 2008

Jing Liu, Visiting Professor  
School of Architecture  
MArch, Tulane University, 2004

Christopher A Long, Professor  
Martin S. Kermacy Centennial Professorship in Architecture  
School of Architecture  
PhD, University of Texas at Austin, 1993

Sarah L Lopez, Associate Professor  
School of Architecture  
PhD, University of California-Berkeley, 2011

Racheal D Lute, Lecturer  
School of Architecture  
PhD, University of Texas at Austin, 2016

Mark Macek, Lecturer  
School of Architecture  
BArch, University of Texas at Austin, 1990

Michael J McCall, Adjunct Professor  
School of Architecture  
MArch, University of Texas at Austin, 1980

Amelia Mickelsen, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 2020

S Milovanovic-Bertram, Associate Professor  
School of Architecture  
MArch, Harvard University, 1974

Juan Miro, Professor  
Dick Clark, III, Endowed Chair in Architecture  
School of Architecture  
MArch, Yale University, 1991

Elizabeth Mueller, Associate Professor  
School of Architecture and School of Social Work  
PhD, University of California-Berkeley, 1992

Rasa Navasaityte, Lecturer  
School of Architecture  
Mag, University of Applied Arts Vienna, 2010

Bryan E Norwood, Assistant Professor  
School of Architecture  
PhD, Harvard University, 2018

Michael Oden, Associate Professor  
School of Architecture  
PhD, New Sch for Soc Research, 1992

Clay D Odom, Associate Professor  
School of Architecture  
MS, Columbia University in the City of New York, 2003

Lynn A Osgood, Lecturer  
School of Architecture  
PhD, University of Texas at Austin, 2020

Robert G Paterson, Associate Professor  
School of Architecture  
PhD, University of North Carolina at Chapel Hill, 1993

Adam Aleksander Pyrek, Lecturer  
School of Architecture  
MA, Architectural Association School of Architecture, 2005

Michael C Rehm, Visiting Associate Professor  
School of Architecture  
MS, Columbia University in the City of New York, 2009

Ryan F Robinson, Lecturer  
School of Architecture  
MA, University of Georgia, 1986

Sandra Rosenbloom, Research Professor  
School of Architecture  
PhD, University of California-Los Angeles, 1975

Joyce Rosner, Distinguished Senior Lecturer  
School of Architecture  
MArch, University of Houston, 1981

Gian Claudia Sciara, Assistant Professor  
School of Architecture  
PhD, University of California-Berkeley, 2009

Daniel C Scott, Lecturer  
School of Architecture  
MSHP, University of Texas at Austin, 2020

Allan W Shearer, Associate Professor  
School of Architecture  
PhD, Harvard University, 2003

Igor P Siddiqui, Associate Professor  
School of Architecture  
MArch, Yale University, 2003

Keith Simon, Lecturer  
School of Architecture  
MArch, University of Oregon, 2004

Bjorn Ingmann Sletto, Professor

School of Architecture and Department of Geography and the  
Environment  
PhD, Cornell University, 2006

Marla Smith, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 1996

Vincent L Snyder, Professor  
School of Architecture  
MArch, Princeton University, 1988

Lawrence W Speck, Professor  
The W. L. Moody, Jr. Centennial Professorship in Architecture  
School of Architecture and Department of Geography and the  
Environment  
MArch, Massachusetts Institute of Technology, 1972

Maximiliano F Spina, Visiting Professor  
School of Architecture  
MArch, Princeton University, 2005

Robert F Stepnoski, Senior Lecturer  
School of Architecture  
BArch, Boston Architectural Center, 2001

Claire F Townley, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 2019

Danilo F Udovicki, Associate Professor  
School of Architecture  
PhD, Massachusetts Institute of Technology, 1995

Evan Voight, Lecturer  
School of Architecture  
MBA, Butler University, 2012

Wilfried Wang, Professor  
O'Neil Ford Centennial Chair in Architecture  
School of Architecture  
MS, University College London, 1981

Jacob A Wegmann, Associate Professor  
School of Architecture  
MCP, Massachusetts Institute of Technology, 2006

Dason M Whitsett, Lecturer  
School of Architecture  
MS, University of Texas at Austin, 2005

Nichole Wiedemann, Associate Professor  
School of Architecture  
MA, Princeton University, 1992

Patricia A Wilson, Professor  
School of Architecture  
PhD, Cornell University, 1975

Jennifer Lynn Wong, Lecturer  
School of Architecture  
MArch, University of Texas at Austin, 2013

Ming Zhang, Professor  
School of Architecture  
PhD, Massachusetts Institute of Technology, 2002

# Red McCombs School of Business

Lillian Mills, PhD, *Dean*

Ethan Burris, PhD, *Senior Associate Dean, Academic Affairs*

Ty Henderson, PhD, *Associate Dean, BBA Program*

Arthur T. Allert, BBS, *Assistant Dean, BBA Program*

Charles Enriquez, BA, *Assistant Dean, BBA Program*

<http://www.mcombs.utexas.edu/bba>

## General Information

### Mission

The core purpose of the Bachelor of Business (BBA) degree program is to produce well-rounded and ethical graduates who are valued for their mastery of the basic tenets and techniques of their declared major(s), their broad understanding of the greater context in which businesses operate, and their potential to become leaders who create value for society.

### History

In April 1912 the first professor of the new “business training” program was hired and business classes were first offered in the fall of 1912 with a total of nine courses and two faculty. The School of Business Training was originally started as a part of the College of Arts and Sciences and by 1916 the program name had changed to Business Administration. With the continued growth of the program a new Bachelor of Business Administration degree was approved by the Regents in 1916 and the first BBA degrees were awarded to nine graduates in spring 1917. The business program at The University of Texas at Austin became a charter member in 1916 of the American Association of Collegiate Schools of Business, the accrediting agency for business schools, where it has remained fully accredited for both business and accounting. The Masters of Business Administration degree was approved in 1917 and graduate courses were started shortly thereafter. The first woman on the business faculty was hired in 1919 and the first women graduates in business received their degrees in 1920.

With increasing student interest in business education and continued growth of the program the Regents approved a new and separate School of Business Administration in 1922. In 1925 a research division of the school was established with the Bureau of Business Research which published the “Texas Business Review” in spring 1927, the first of its kind in Texas. A Ph.D in Business Administration was approved by the Regents in 1930 and was the first to be offered in the Southwest.

Given the growth of academic offerings and continuing increases in enrollment Waggener Hall was built in 1932 as a dedicated building for the business school. In 1945 the school was reorganized as the College of Business Administration with five academic departments: accounting; finance, real estate and insurance; general business; management; and marketing. In 1962 a new building for the College of Business was created with the Business-Economics Building. In 2000 the College of Business Administration and the Graduate School of Business were renamed the McCombs School of Business in honor of University alumnus and benefactor Red McCombs.

### Facilities

The McCombs School is housed in the George Kozmetsky Center for Business Education. This three-building complex includes modern classrooms and offices, lecture rooms with multimedia equipment, conference and communal study rooms, as well as lounges for

informal student and teacher interaction. Computer classrooms, computer laboratories, the Financial Trading and Technology Center, and a behavioral science laboratory are also available. Computer and computer-access facilities are available to students, faculty members, and staff members. The McCombs School of Business has its own computer network that links to the school’s laboratories and computing resources. The network is also connected to the University’s computing infrastructure.

## Financial Assistance Available through the School

Students who are enrolled in the McCombs School of Business are eligible for scholarships and awards funded by industry, foundations, and individuals. Some of these awards are available school-wide, while others are restricted to students in one department. Students selected to receive an award are selected based on their academic performance, leadership and donor specific criteria which may include financial need.

Most scholarships are for continuing students who have declared a business major. Generally, scholarships are awarded annually with some being renewable. Criteria for awarding scholarships vary to meet the wishes of the donors but often include financial need, academic performance, major area of study, and hometown. The deadline for submission is the end of the spring semester for scholarships in the following academic year. Recipients are selected by the BBA Program Office of the school and are usually notified during the summer.

Departmental scholarships are generally reserved for juniors and seniors majoring in a program of the department. Because departmental scholarships are normally funded by annual contributions, the number of scholarships and the amounts awarded vary among departments and over time. Criteria for departmental awards are specified by the donors and include the same kinds of characteristics as those established for school-wide awards; deadlines and other elements of the selection process also vary among departments. Interested students should contact the major department for further information.

## Student Services

The BBA Program Office provides administrative support and a wide array of student services for the school, including academic advising, career management, study abroad, and leadership development. These student services are offered to all enrolled BBA students to enhance their academic experience and professional development.

## Academic Advising

Academic advisors in the BBA Program Office provide individualized, comprehensive advising and serve as a referral resource for students to ensure timely progress toward degree completion. Every McCombs undergraduate student is assigned to a professional academic advisor prior to their first semester enrolled in school. Faculty advisors are also available in each academic department to help students explore their educational and career goals.

All McCombs students are required to meet with an academic advisor before their first semester, which is part of new student orientation. After that, all students are encouraged to meet with their assigned advisor regularly. Students who elect to self-advise are responsible for knowing the requirements of the degree program they have chosen, enrolling in courses appropriate to that degree program, meeting the prerequisites of the courses selected, and taking courses in the proper sequence to ensure timely progress towards their degree. See [Student Responsibility](#) (p. ) in The University section for more information.

## Career Management

BBA Career Management offers job search assistance to enrolled business students. The purpose of the office is to help students determine their career goals, develop a plan for achieving these goals, and select and obtain employment commensurate with their goals, interests, and training.

To help students prepare for their career search, BBA Career Management offers BBA students individualized career coaching, specialized programming, and a variety of events and workshops that provide exposure to diverse industries and potential career paths. BBA Career Services offers assistance with conducting a job search, résumé and cover letter writing, interviewing, evaluating offers, and other recruiting topics. The department maintains additional career resources and general business publications in their office.

In addition to the career-related workshops, the BBA Career Coaching team also teaches the required courses Business Administration 101S, 101H, and 101T to freshmen and transfer students. These courses present the foundations for executing a successful job search and focus on career management as a lifelong process, as well as assist business students with **planning, implementing** and **evaluating** their careers. After completing these courses, students can implement job search strategies and interviewing techniques in pursuing internship and full-time employment opportunities.

Most students obtain an internship, which can satisfy the undergraduate business curriculum experiential learning course requirement, at the end of their junior year. However, BBA Career Management encourages freshmen and sophomores to attend its recruiting activities and events, which can help them obtain other internships that may provide valuable experience but don't count for the required experiential learning course. These experiences can help students develop their résumés and job search skills.

About 800 individual interviews for internships and full-time opportunities are arranged annually with employers in business, industry, government, and not-for-profit organizations. Over 200 firms conduct on-campus interviews at the McCombs School of Business each year.

Another resource for employers and students is the online job board, *RecruitMcCombs*. *RecruitMcCombs* helps recruiters reach current students, and the *McCombs Alumni Job Board* connects employers to McCombs Alumni. These job boards complement the on-campus recruiting program by allowing companies to recruit candidates for a wide variety of roles in their organizations throughout the calendar year.

More information about BBA Career Management is provided on the McCombs School of Business [website](#).

As a complement to the assistance available from the school, the [Vick Center for Strategic Advising & Career Counseling](#) serves students across campus who are exploring majors and careers. The center helps students learn more about their interests, skills and values; define short and long term goals; identify suitable major and career options; seek an internship; and plan for their job search or for graduate study.

The University makes no promise to secure employment for each graduate, but rather provides the tools and resources to ensure that students have access to employment opportunities.

## Student Organizations

Student organizations play a vital role in the educational experience offered by the University. Students who become involved in organizations gain experience in leadership, teamwork, networking, time

management, and other practical areas. This experience, when combined with the theoretical knowledge gained in the classroom, helps students develop a well-rounded set of skills for use academically, professionally, and personally.

The Undergraduate Business Council (UBC) is the governing student body in the school. It is made up of representatives from McCombs Affiliated Student Organizations, an executive board, representatives elected by the student body, and members appointed by the executive board. The UBC represents all undergraduate business students in university affairs, and sponsors programs such as McCombs Kickoff, Family Weekend, the VIP Distinguished Speaker Series, and the Faculty Honor Roll.

Business student organizations sponsor professional activities such as guest lectures, field trips, and faculty chats; many offer social activities as well.

## Study Abroad

BBA International Programs offer McCombs School of Business students the opportunity to study abroad in the following ways: on an exchange or affiliated program (summer, semester or academic year) at one of our many partner schools around the world; and on short-term, faculty-led summer programs, offering pre-determined McCombs courses which are taught abroad in various international locations. These types of study abroad opportunities enable students to make progress toward their University degree requirements while gaining valuable intercultural experiences. More information is available at <https://my.mccombs.utexas.edu/My/BBA/IP>.

## Student Programs

### McCombs Leadership Development Program

The McCombs Leadership Program (LP) provides students the opportunity to gain valuable skills in leadership to complement academic requirements. Students work on developing their leadership skills through the lenses of social change on an individual, group, and community level through unique programming, activities, and reflection. All business majors who are not in the Canfield Business Honors Program and are freshmen, sophomores, or transfer students may apply. The LP requires a two-year commitment. The primary goal of the Leadership Program is to enhance student learning and development as it relates to self-knowledge and socially responsible leadership competence, and to expand the student's leadership portfolio during their time at the McCombs School of Business.

Admission to the Leadership Program is limited to a small number of students who are chosen on a competitive basis each year. More information and an online application form are available at the Leadership Program's [website](#).

### McCombs Success Scholars

McCombs Success Scholars is a two-year academic support program. Participants represent a diverse body of students within McCombs School of Business who bring a demonstrated record of academic achievement. The curriculum gives participants the opportunity to take many of their core courses with the same cohort of students, with additional programming focused on leadership development, career discovery, and social networking. For more information, see: <https://www.mccombs.utexas.edu/BBA/Academics/Success-Scholars>.



# Admission and Registration

## Admission

### Admission Policies of the School

Admission and readmission of undergraduate students to the University is the responsibility of the University director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

Each year there are more qualified applicants to the McCombs School than can adequately be instructed by the faculty or accommodated within existing facilities. To provide students with the best educational experience possible, the school must limit undergraduate admission. Therefore, admission to the school is extremely competitive and admission requirements are more stringent than those of the University. As a result, a student may be admitted to the University but denied admission to the school. The student must be admitted to the school to pursue a degree program described in this catalog.

Admission to the school is granted for the fall semester only; summer session admission may be possible for freshmen. Students admitted for fall are expected to attend Orientation the summer before they enter the school.

### Freshman Admission Requirements for Texas Residents

To be considered for admission to the school, Texas-resident high school students must be granted regular admission to the University. However, because enrollment is limited by the availability of instructional resources, admission requirements for business degree programs are more restrictive than those of the University. High school rank, SAT Reasoning Test or American College Testing Program (ACT) scores, extracurricular activities, and essays are among the factors used in making admission decisions. A student who is admitted to the University but denied admission to the school may seek admission to another academic program at the University.

### Freshman Admission Requirements for Nonresidents

Because of enrollment restrictions dictated by the availability of faculty and facilities in the school and by the limitations on nonresident enrollment imposed by the Board of Regents, nonresident applicants may find the admission process extremely competitive.

### Application Procedures for Freshman Admission

Students may apply for admission through the Office of Admissions website, <http://admissions.utexas.edu/>. To be considered for admission to the McCombs School of Business, the student should specify business as his or her intended major. All application materials must be submitted to the Office of Admissions by the deadline to apply for admission to the University for the summer session or fall semester; these dates are given in the [General Information Catalog](#).

### Admission with Deficiencies

Students who were admitted to the University with deficiencies in high school units must remove them by the means prescribed in the [General Information Catalog](#). Credit used to remove a deficiency may not be counted toward the degree. It may be earned on the pass/fail basis. Students may not declare a major until high school unit deficiencies have been removed.

## Foreign Language Proficiency

A student who transfers to the university must provide evidence that he or she has fulfilled the foreign language proficiency requirement for the Bachelor of Business Administration degree. Students may not declare a major until the foreign language proficiency requirement has been met.

### Admission-to-Major Requirements for Students Previously Enrolled in the School

A former student who was most recently enrolled in the McCombs School of Business and who is readmitted to the University reenters the major in which he or she was last enrolled. However, a former business student who has earned a Bachelor of Business Administration degree at the University is readmitted with the classification "non-degree seeking student."

A former student who was most recently classified as a pre-business student will be readmitted to the transitional student classification. The student may then apply for admission to a business major according to the procedures given in the section Internal Transfer.

## Transfer Admission

### Internal Transfer

Students enrolled in other programs at the University who wish to enter a degree program described in this catalog must submit an application for a change of major to the BBA Program Office by May 15 to be considered for admission in the following fall semester. The following minimum requirements for consideration are in addition to the requirements to transfer from one division to another that are given in the [General Information Catalog](#).

- Completion of 24 semester hours of coursework in residence on the letter-grade basis by the end of the preceding spring semester; these hours must **count towards the BBA degree** (p.      )
- Completion of Mathematics 408Q or 408R when taken in residence, or Mathematics 408K and 408L, or Mathematics 408N and 408S, or Mathematics 408C and 408D, or the equivalent
- Completion of Economics 304K and 304L
- Students must meet the admission standards for foreign language proficiency, requiring two years of a single foreign language in high school or one year of a single foreign language in college
- A grade point average of at least 3.25 on University in-residence coursework

Students are strongly encouraged to complete Rhetoric and Writing 306 or its equivalent before starting classes in the McCombs School of Business.

An applicant's disciplinary record, as maintained by the Office of the Dean of Students, will be reviewed for academic dishonesty or other violations of University policy. Violations will be reported to the Admissions Committee and taken into account as part of the application process. Violations may exclude a student from admission depending on the nature and severity of the offense(s).

Admission is granted on a space-available basis and may not be possible if instructional resources are not compatible with enrollment demands.

### External Transfer

A student seeking to transfer to the McCombs School of Business from another university should list business as his or her intended major on the admission application. Because students are not admitted to the school for the spring, application materials must be submitted to the Office of Admissions by the appropriate deadline for the student

to be considered for admission in the following fall semester. The following minimum requirements for consideration are in addition to the requirements for transfer admission that are given in the *General Information Catalog*.

- a. Completion of Mathematics 408K and 408L, Mathematics 408N and 408S, Mathematics 408C and 408D, or Mathematics 403K and 403L, or the equivalent
- b. Completion of Economics 304K and 304L
- c. Students must meet the admission standards for foreign language proficiency, requiring two years of a single foreign language in high school or one year of a single foreign language in college
- d. A grade point average of at least 3.00 on transferable college credit

Students are strongly encouraged to complete Rhetoric and Writing 306 or its equivalent before starting classes in the McCombs School of Business.

Because of enrollment restrictions dictated by the availability of faculty and facilities in the school and by the limitations on nonresident enrollment imposed by the Board of Regents, an applicant may be denied admission to the McCombs School even though he or she meets University transfer requirements. Such an applicant may seek admission to another academic program at the University.

## Declaring a Major

Each student is admitted to the McCombs School with an unspecified major. The student may declare a specific business major when he or she has completed 30 semester hours of coursework, including:

- a. Economics 304K and 304L,
- b. Mathematics 408Q or 408R when taken in residence, or Mathematics 408D, or 408L, or 408S.
- c. Credit or registration for Business Administration 101H, 101S, or 101T,
- d. Credit or registration for Management 101H, 101S, or 101T,
- e. Fulfillment of the foreign language proficiency requirement for the Bachelor of Business Administration degree.

All students are required to declare a major before completing 75 semester hours. Students may declare their majors online at <https://utdirect.utexas.edu/business/bba/>. A student seeking admission to the integrated MPA or the Canfield Business Honors Program must complete a separate application; requirements for admission to these programs are given in the [Accounting](#) (p. 52) and [Canfield Business Honors Program](#) (p. 55) sections, respectively.

## Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and the [General Information Catalog](#) are published on the registrar's website, <http://registrar.utexas.edu/>. Registration information specific to BBA students can be found at <https://my.mcombs.utexas.edu/My/BBA/Registration>.

# Academic Policies and Procedures

## Academic Standards

Students are expected to make continuous progress toward the degree while maintaining the University minimum scholastic requirements. A student is placed on academic probation if his or her grade point average falls below 2.00. University regulations on scholastic probation and dismissal are given in the *General Information Catalog*.

Students in the Integrated MPA or the Canfield Business Honors Program must maintain the scholastic requirements of those respective programs. Please refer to the Academic Standards sections for iMPA and BHP.

Any student having academic difficulty should discuss his or her status with an academic advisor in the BBA Program Office, CBA 2.400. Call (512) 471-0690 to set up an appointment with an academic advisor.

Students on academic probation attempting to register after the fourth class day in a fall or spring semester, or the second class day in a summer term, will not be approved to register late.

## Portable Computing Devices

Students enrolled in a degree program at the McCombs School of Business will be expected to own a portable computing device suitable for use in the classroom and on the University wireless network.

## Repetition of a Course

The official grade in a course is the last one made; however, if a student repeats a course and has two or more grades, all grades and all semester hours are used to calculate the University grade point average and to determine the student's scholastic eligibility to remain in the University and his or her academic standing in the McCombs School of Business.

A student may not repeat for credit or grade points any course in which he or she has earned a grade of C- or higher (or the symbol CR, if the course was taken on the pass/fail basis).

## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in the [General Information Catalog](#).

### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the [General Information Catalog](#). Historical honors information for the McCombs School of Business BBA Program can be found on the college website.

## School Honors Program

The Canfield Business Honors Program is available to outstanding students who have distinguished themselves inside the classroom and out by superior performance during high school or in their first year at

the University. The program is described in the [Canfield Business Honors Program](#) (p. 55).

## Graduation

### Special Requirements of the School

All students must fulfill the minimum [General Requirements](#) (p. 20) for graduation given in The University section. Business students must also fulfill the following requirements:

- a. All students must have a University grade point average of at least 2.00 to graduate. Business students must also have a grade point average of at least 2.00 in business courses counted toward the BBA degree.
  - i. Students in the Canfield Business Honors Program who wish to continue in the program or graduate with the Business Honors major must have a University grade point average of at least 3.25 and a grade point average in business courses of at least 3.25.
- b. The University requires that at least six semester hours of advanced coursework in the major field of study be completed in residence. The McCombs School of Business requires that at least 12 semester hours of upper-division coursework in the major must be completed in residence at the University on the letter-grade basis.
- c. A candidate for a degree must be registered in the McCombs School of Business either in residence or in absentia during the semester or summer session the degree is to be awarded. Students must apply for the degree no later than the date specified in the official academic calendar.

### Degree Audit

All McCombs students are advised to monitor their degree progress through regular use of the online Interactive Degree Audit. IDA provides the student with a report of his or her progress toward completion of requirements for a specific degree program. In addition to using IDA, students are encouraged to meet regularly with their academic advisor in the BBA Program Office. The degree audit is not a substitute for individual advising.

### Applying for Graduation

A degree candidate must apply for the degree no later than the date given in the official academic calendar. No degree will be conferred unless the diploma application form has been properly filed. Further information, resources, and a link to the graduation application are available at <https://my.mcombs.utexas.edu/My/BBA/Graduation>. Freshmen are expected to complete their degree within four years, and transfer students are expected to complete their degree in a timely manner.

## Degrees and Programs

Degree requirements are listed below under BBA Degree Requirements and under [individual major degree requirements](#). For a complete list of requirements for a degree, the student should combine the degree requirements in these two sections with the University's minimum [General Requirements](#) (p. 20) for graduation.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) and the following specific requirements for the BBA, including the requirements of a major. In some cases, a course that is required for the BBA or for a

major may also be counted toward the Core Curriculum; these courses are identified below.

### Flags

Each student must complete the University's [Core Curriculum](#). In the process of completing Core Curriculum and BBA degree requirements, students must earn credit for seven flags as listed below; most of the required flags are attached to the business core and major courses students must complete to earn a BBA degree. Courses may simultaneously satisfy flag and other degree requirements. As applicable, students are advised to fulfill the cultural diversity and the global cultures flag requirements through courses that meet other requirements of the Core Curriculum such as the first-year signature course, American history, government, or visual and performing arts requirements, or BBA degree requirements such as the human behavior requirement or electives. *Please note, students may not earn the cultural diversity and global cultures flag from the same course.*

Two writing flags: one flag requirement is typically satisfied by Business Administration 324 or 324H, or Communication 324M or 324H, a second by the capstone class in the major when taken in residence.

One quantitative reasoning flag: flag requirement typically satisfied by Accounting 311 or 311H, Accounting 312 or 312H, Statistics 301 or 301H or 235 when taken in residence.

One global cultures flag: BBA students should find a course that satisfies one of the University Core requirements, human behavior requirement, or an elective, which carries the global cultures flag.

One cultural diversity in the United States flag: BBA students should find a course that satisfies one of the University Core requirements, human behavior requirement, or an elective, which carries the cultural diversity in the United States flag.

One ethics flag: typically satisfied by Management 336 or 336H, or Legal Environment of Business 323 or 323H when taken in residence.

One independent inquiry flag: typically satisfied by the capstone class or a class required for the degree; Finance 370, Management 374, 374H, Management Information Systems 375, Marketing 370, and Operations Management 337 (Topic 3: *Procurement and Supplier Management*), when taken in residence.

Flags may be added to courses periodically; courses with flags are identified in the [Course Schedule](#). More information is available in the section on [Skills and Experience Flags](#).

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. They may not be counted toward the Bachelor of Business Administration degree. However, they are counted among courses for which the student is enrolled, and the grades are included in the grade point average.

### ROTC Courses

No more than 15 semester hours of air force science, military science, or naval science coursework may be counted toward the Bachelor of Business Administration degree. ROTC courses may be used only as non-business or free electives.

## Courses Taken on the Pass/Fail Basis

A business student may count toward the degree up to four one-semester courses in elective subjects outside the major taken on the pass/fail basis; only free electives (any level/subject), non-business electives, and upper-division non-business electives may be taken on the pass/fail basis. Business courses taken on the pass/fail basis cannot be counted toward the major, unless they are offered only on the pass/fail basis. Credit earned by examination is not counted toward the total number of courses that the student may take pass/fail.

Complete rules on registration on the pass/fail basis are given in the *General Information Catalog*.

## University Extension Self-Paced and Semester-Based Courses

Students planning to take self-paced or semester-based University Extension courses should consult with the BBA Program Office before doing so to ensure compliance with the following restrictions:

- a. Credit that an in-residence University student earns simultaneously through University Extension or similar means from another institution should be discussed in advance with the student's academic advisor to determine business degree applicability.
- b. A student may not be enrolled concurrently for courses from University Extension or another institution during his or her last semester without jeopardizing graduation eligibility.
- c. With regard to registration on the pass/fail basis, extension courses are subject to the same restrictions as courses taken in residence; these restrictions are given in the section Courses Taken on the Pass/Fail Basis.

## Concurrent Enrollment

To ensure degree applicability, students are urged to consult with their academic advisor before registering concurrently at another institution, either for resident coursework or for a distance education course, and before enrolling in University Extension self-paced or semester-based coursework. A student may not be enrolled concurrently during his or her last semester in any course to be counted toward the degree without jeopardizing graduation eligibility.

## Bachelor of Business Administration

### BBA Degree Requirements

- a. A grade point average of at least 2.00 is required on all work undertaken at the University for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. In addition, a grade point average of at least 2.00 in business courses is required. For more information about grade requirements and restrictions on repetition of courses, please see [Academic Policies and Procedures](#) (p. 49).
- b. A candidate for the BBA degree must be enrolled in the McCombs School in the semester or summer session in which the degree is awarded.
- c. Each student is expected to complete the courses required for his or her major and to meet the curriculum requirements described in items 4 through 7 below in the year specified.
- d. During their freshman and sophomore years, students are expected to complete the University's [Core Curriculum](#) (p. 23) requirements.

e. Students are expected to complete the following BBA degree requirements during the freshman year:

- i. Mathematics 408Q (may fulfill the quantitative reasoning flag); 408R will also be accepted when taken in residence at The University of Texas at Austin only. For the CSB major and the Science and Technology Management major, 408C (may fulfill the quantitative reasoning flag) and 408D are required. This coursework may also be used to fulfill the mathematics requirement of the core curriculum. Any successfully completed two-course calculus sequence will also be accepted.
  - ii. Economics 304K and 304L. Economics 304K may also be used to fulfill the social and behavioral sciences requirement of the Core Curriculum.
  - iii. Management Information Systems 301, a business core course.
  - iv. Three semester hours of coursework in anthropology, psychology, educational psychology, or sociology, chosen from approved courses; courses dealing primarily with statistics or data processing may not be used to fulfill this requirement. Social Science 302C, 302D, 302E, 302F (for Plan II dual majors only), are also accepted.
  - v. Business Administration 101H, 101S, or 101T; and Management 101H, 101S, or 101T. Entering freshmen take Business Administration 101S and Management 101S, entering transfer students take Business Administration 101T and Management 101T, and entering business honors students take Business Administration 101H and Management 101H. Because each course is offered only once a year, failure to take the course in the proper semester will prevent the student from declaring a major and progressing toward the degree.
- f. In addition to the courses above, students must complete the following business core courses by the end of their sophomore year:
- i. Accounting 311 and 312 (both courses may fulfill the quantitative reasoning flag)
  - ii. Statistics 301 (may fulfill the quantitative reasoning flag)
  - iii. Business Administration 324 or Communication 324M (may fulfill the writing flag)
  - iv. Operations Management 235 or 334M
  - v. Decision Science 235
  - vi. Statistics 235
- g. Fifteen semester hours beyond the first two years are specified as follows:
- i. Business core courses:
    1. Legal Environment of Business 323 (may fulfill the ethics flag)
    2. Finance 357
    3. Marketing 337 or Marketing 337N
    4. Management 336 (may fulfill the ethics flag)
  - ii. A professional, business-related experiential learning course chosen from the following: Accounting 366P, Business Administration 353, 653, 366P, Finance 366P, Management 347P, 366P, 367P, 369P, Management Information Systems 366P,

Marketing 366P, Operations Management 366P; only one of the following courses may be counted toward the degree: Business Administration 353 and Business Administration 653.

- h. The following requirements apply in addition to those in items 4 through 7 above:
- i. Additional coursework to earn a total of at least six semester hours at the upper-division level outside the McCombs School of Business. Students should consult the requirements of their major department for information about additional coursework to be taken outside the school.
  - ii. Completion of the requirements of one of the BBA majors listed in the Undergraduate Catalog. At least 24 semester hours in business must be completed in residence on the letter-grade basis at the University, of which at least 12 semester hours must be in upper-division coursework in the student's major. For additional in residence requirements, see the University's minimum General Requirements (p. 20) for graduation given in The University section. Please also see footnote below.

Proficiency in a foreign language equivalent to one year competency is required. This requirement may be fulfilled either by completion of the two high school units in a single foreign language that are required for admission to the University as a freshman or by the demonstration of proficiency at the second-semester level. Credit earned at the college level to achieve the proficiency may be taken on the pass/fail basis, and the credit may count towards the degree. Due to the variety in the way language classes are taught at the University, students should consult their academic advisor.

The following are the courses that may be counted towards the residence requirement for each major:

<b>Accounting (BBA)</b>	ACC 326, ACC 327, ACC 329, ACC 362, and ACC 364.
*Accounting (Integrated BBA/MPA)	ACC 151, ACC 152, ACC 355, ACC 356, ACC 358C, and ACC 359.
<b>Business Honors Program</b>	B A 324H or COM 324H, D S 235H, FIN 357H, LEB 323H, MAN 336H, MAN 327H, MAN 374H, MKT 337H, O M 235H, STA 301H, and STA 235H.
<b>Finance</b>	ACC 326, FIN 357, FIN 367, FIN 370, and the 12 additional semester hours required for the student's track.
<b>International Business</b>	I B 350 or I B 350S, I B 378, and nine additional semester hours in requirement 4 of the major.
<b>Management (General Management Track)</b>	MAN 336, MAN 374, and 12 additional semester hours required for the general management track in requirement 3 of the major.
<b>Management (Consulting and Change Management Track)</b>	MAN 328, MAN 336, MAN 374, MAN 337 (Topic 7: People Analytics), and six additional semester hours required for the consulting & change management track in requirement 5 of the major.

<b>Management (Entrepreneurship Track)</b>	MAN 336, MAN 327, MAN 327E, MAN 374, and six additional semester hours required for the entrepreneurship track in requirements 5 and 6 of the major.
<b>Management Information Systems</b>	MIS 304, MIS 325, MIS 333K, MIS 374, MIS 375, and six additional semester hours in requirement 3 of the major.
<b>Marketing</b>	MKT 337, MKT 360, MKT 370, and 12 additional semester hours in requirement 3 of the major.
<b>Science and Technology Management</b>	O M 235 or O M 334M, O M 337 (Topic 5: Project Management), MAN 374 or MIS 375, and nine additional semester hours required for the student's business block.
<b>Supply Chain Management</b>	O M 235 or O M 334M, O M 337 (Topic 3: Procurement and Supplier Management), O M 338, O M 367, O M 368, and six additional semester hours in requirement 3 of the major.

## Accounting

Two programs are available to students who wish to study accounting at the University. The first is the four-year major in accounting leading to the Bachelor of Business Administration degree. The second is the five-year integrated approach to the Master in Professional Accounting degree, which leads to the award of both the BBA and the Master in Professional Accounting degrees. The objective of the BBA accounting curriculum is to provide students with a broad overall education, solid grounding in the common body of knowledge of business administration, and exposure to accounting in sufficient depth to help them achieve entry-level competence for pursuit of a career in industry. The integrated approach is designed for students who wish to concentrate in accounting and obtain education in an accounting specialization.

## Bachelor of Business Administration

The requirements of this program are:

- a. The Core Curriculum (p. 23) requirements and the BBA Degree Requirements (p. 51)
- b. Accounting 326, 327 (may fulfill the quantitative reasoning flag), 329, 362, and 364
- c. Finance 321K
- d. Management 374 (may fulfill the writing and independent inquiry flags)
- e. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

## BBA/MPA: Integrated Approach

The integrated approach to the Master in Professional Accounting is a five-year program of undergraduate and graduate coursework that allows the student to earn the BBA and the Master in Professional Accounting (MPA) degrees. The professional curriculum, which usually begins in the student's junior year, includes specially designed accounting courses taught in relatively small classes by full-time faculty members.

The accounting faculty has designed three concentrations within this program: auditing/financial reporting, managerial accounting/control, and taxation. Each concentration is a sequence of courses that offers

strong preparation for a particular career path. In addition, the student may choose a generalist curriculum.

Because MPA graduates are expected to become leaders in the accounting profession, highly motivated students with the personal qualities and intellectual capacity to establish successful careers in public accounting, industry, not-for-profit organizations, and higher education are encouraged to apply.

## Admission

Students are admitted to the integrated approach according to the following requirements. Admission is granted only for the fall semester. Application materials and information about deadlines are available at [www.mcombs.utexas.edu/MPA/iMPA/Admissions](http://www.mcombs.utexas.edu/MPA/iMPA/Admissions). Students interested in this program must have met the following requirements by the application deadline: the foreign language proficiency requirement for the BBA degree; and completion of at least 54 semester hours of coursework, including

- Accounting 311 and 312;
- Business Administration 101H, 101S, or 101T;
- Management 101H, 101S, or 101T;
- Economics 304K and 304L with a grade of C- or better;
- Mathematics 408Q, 408R when taken in residence, 408D, 408L, or 408S with a grade of C- or better.

It is recommended that students complete Finance 357, *Business Finance* and Finance 321K, *Intermediate Microeconomics for Business*, before entering the MPA program. If students are unable to take these courses prior to admission, they should be completed by the end of the spring semester of the first year in the program.

International students pursuing the BBA/MPA degree: English skills are essential for success in the MPA program. As a result, it is important to demonstrate the ability to speak, read, write, and understand English through the TOEFL or IELTS. Official scores for either the internet-based TOEFL or IELTS must be on the student's record prior to the application deadline, unless they were allowed to waive the TOEFL or IELTS for admission to the University. The preferred minimum for the TOEFL is 105 overall, with a minimum of 24 for each individual section or a minimum band score of 7.5 for the IELTS. If previously submitted test scores do not accurately reflect the applicant's current English proficiency, it is strongly recommended to retake the test to increase scores.

Admission is based on the applicant's University grade point average, as well as other relevant examples of academic ability. An applicant with a University grade point average of less than 3.00 is unlikely to be admitted to this program. Admission may be restricted by the availability of instructional resources. An applicant's disciplinary record, as maintained by the Office of the Dean of Students, will be reviewed for academic dishonesty or other violations of University policy. Violations will be reported to the Admissions Committee and taken into account as part of the application process. Violations may exclude a student from admission depending on the nature and severity of the offense(s).

Before beginning the fifth year, integrated approach students must be admitted to the MPA program. Students must complete at least two long-session semesters in residence in the MPA program. Application forms must be submitted by February 1 of the student's fourth year. Students must have completed the following BBA degree requirements before the application deadline: the [University Core Curriculum](#), courses needed to declare a major, the human behavior requirement, the lower-division business core, and Business Administration 324.

## Academic Standards

Students are expected to make continuous progress toward the degree by completing required accounting coursework each semester. Students who fail to take required accounting coursework two long-session semesters in a row will be removed from the program and placed in the unspecified business major. Students will be notified before this action is taken; they must meet with their academic advisor upon being notified.

## Experiential Learning

Integrated MPA students are able to satisfy the BBA degree experiential learning requirement by completing either an undergraduate or a graduate internship or practicum course. A graduate internship or practicum course will simultaneously satisfy a graduate elective for the MPA degree.

## Dismissal

The student is dismissed from the integrated approach if they will not achieve a grade point average of at least 2.8 in the core undergraduate accounting courses. Exceptions are granted only by the Master in Professional Accounting Program Committee.

Violations of the University's policies on academic integrity or non-academic conduct can lead to dismissal from the Integrated BBA/MPA program.

## Graduation

Students pursuing the integrated approach to the MPA degree are expected to complete their BBA accounting degrees within four years as a milestone towards their MPA degree. The additional requirements for graduation pertaining to the BBA degree are given in [Graduation](#) (p. 50). To receive an MPA degree, a student must have a grade point average of at least 3.00 in all coursework taken as part of the minimum 35 hour MPA degree. They must also have a grade point average in graduate accounting coursework of at least 3.00.

## Degree Requirements

The requirements for the BBA/MPA program are:

- Undergraduate coursework
  - The [Core Curriculum](#) requirements and the [BBA Degree Requirements](#) (p. 51). Because the integrated approach includes a graduate-level internship course, students may forgo the undergraduate experiential learning course described in requirement 7.b of the BBA Degree Requirements
  - Finance 321K
  - Management 374 (may fulfill the writing and independent inquiry flags)
  - Accounting 151, 152, 355, 356, 358C, and 359
  - For students in the auditing/financial reporting, managerial accounting/control, or generalist concentration, Finance 367 and a business elective; for students in the taxation concentration, Finance 367 and three semester hours of coursework in legal environment of business or business, government, and society approved by the student's academic advisor
  - Additional elective work, if necessary, to provide a total of at least 120 semester hours of undergraduate coursework.
- Graduate coursework
  - Accounting 380K (Topic 1: *Financial Accounting Standards and Analysis I*) and 380K (Topic 13: *Information Technology for Accounting and Control*)

- b. Twenty-nine additional semester hours of graduate coursework, including at least 12 hours in accounting and no more than six hours outside business. The student's academic advisor must approve coursework in the student's concentration in advance.

More information is available at <http://my.mcombs.utexas.edu/MPA>.

## Suggested Arrangement of Courses, Accounting (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S (Major)	1	B A 101S (Major)		1 (None)	
M 408Q (General Education)	4	STA 301 (Major)		3	
ECO 304K (General Education)	3	ECO 304L (General Education)		3	
RHE 306 (Core) <sup>010</sup>	3	MIS 301 (Major)		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
		Approved PSY, SOC, ANT, EDP (General Education)		3	
		<b>14</b>		<b>16</b>	<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)	3	ACC 312 (Major)		3 (None)	
STA 235 (Major)	2	FIN 357 (Major)		3	
D S 235 (Major)	2	O M 235 (Major)		2	
B A 324 (Major)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>		3	
Visual and Performing Arts (Core) <sup>050</sup>	3				
		<b>16</b>		<b>14</b>	<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 326 (Major)	3	ACC 327 (Major)		3 (None)	
MKT 337 (Major)	3	MAN 336 (Major)		3	
LEB 323 (Major)	3	FIN 321K (Major)		3	
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>		3	
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)		3	
		<b>15</b>		<b>15</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 329 (Major)	3	MAN 374 (Major)		3 (None)	
ACC 362 (Major)	3	ACC 364 (Major)		3	
B A 353 (Major)	3	Upper-division nonbusiness (Elective)		3	
E 316L (Core) <sup>040</sup>	3	Free elective course (Elective)		6	
Free elective (Elective)	3				
		<b>15</b>		<b>15</b>	<b>0</b>
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Business Analytics

Businesses are generating and collecting a massive amount of data from both business transactions and user generated data. Students who graduate with a degree in Business Analytics will be prepared to leverage statistical analysis, data mining, natural language processing, optimization, and machine learning to provide practical recommendations to improve business results in a wide variety of areas, including finance, marketing and supply chain management. They will also understand the ethical issues surrounding the design, development, and use of these technologies.

The business analytics major prepares students to frame and solve business problems using data analysis, predictive modeling, and optimization techniques. Business analytics majors become leaders/managers who can analyze facts and collaborate with others to drive decision making.

The requirements of this program are:

- The Core Curriculum (p. 23) requirements and the BBA Degree Requirements (p. 51)
- Business Analytics 305, *Programming for Data Analytics*,
- Business Analytics 327, *Data Management*,
- Business Analytics 357, *Predictive Analytics*,
- Business Analytics 358, *Optimization Methods and Decision Making*,
- Business Analytics 375, *Business Analytics in Practice* (may fulfill the writing and independent inquiry flags)
- Six additional semester hours of upper-division coursework in business analytics chosen from the following courses: Business Analytics 365, 366, 367, 368, 338, 360, 362, 372 (Topic 2: Predictive Analytics and Data Mining), 372 (Topic 4: User Generated Content Analytics), 372 (Topic 5: Financial Technology), 372 (Topic 6: Optimization Methods in Finance), 372 (Topic 7: People Analytics), 372 (Topics 8: Pricing and Channels), 372 (Topic 9: Data Analytics for Marketing), 372 (Topic 10: Data Driven Marketing), 372 (Topic 16: Supply Chain Analytics), 372 (Topic 17: Health Care Analytics), 372 (Topic 21: Time Series Forecasting), 372 (Topic 23: Social Media Analytics).
- Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

# Suggested Arrangement of Courses, Business Analytics (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S, 101T, or 101H (Major)	1	B A 101S, 101T, or 101H (Major)	1	(None)	
M 408Q (Major)	4	STA 301 (Major)	3		
ECO 304K (General Education)	3	ECO 304L (General Education)	3		
RHE 306 (Major) <sup>010</sup>	3	MIS 301 (Major)	3		
UGS 302 or 303 (Core) <sup>090</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
		Visual and Performing Arts (Core) <sup>050</sup>	3		
		<b>14</b>	<b>16</b>		<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)	3	ACC 312 (Major)	3	(None)	
BAX 305 (Major)	3	BAX 327 (Major)	3		
O M 235 (Major)	2	STA 235 (Major)	2		
B A 324 (Major)	3	D S 235 (Major)	2		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
		Approved PSY/SOC/ANT/EDP (General Education)	3		
		<b>14</b>	<b>16</b>		<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
BAX 357 (Major)	3	BAX 358 (Major)	3	(None)	
MKT 337 (Major)	3	FIN 357 (Major)	3		
MAN 336 (Major)	3	E 316L, 316M, 316N, or 316P (Core)	3		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
		<b>15</b>	<b>15</b>		<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division BAX courses (Elective)	6	BAX 375 (Major)	3	(None)	
B A 353 (Major)	3	LEB 323 (Major)	3		
Upper-division non-business course (Elective)	3	Upper-division non-business course (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	6		
		<b>15</b>	<b>15</b>		<b>0</b>
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Canfield Business Honors Program

The Canfield Business Honors Program is designed to provide an intellectual challenge for students who have distinguished themselves academically and in leadership roles outside the classroom. The student may choose a general program of study or choose to combine the general program of study with an additional major. Canfield Business Honors Program students take 14 business courses in special sections open only to them. Additional information is available from the Canfield Business Honors Program Office.

### Admission

Admission to the Canfield Business Honors Program is limited to a small number of exceptional students who are chosen on a competitive basis. Admission decisions are made by the Canfield Business Honors Program Committee. Most students enter the program as freshmen, but some are admitted as sophomores.

Students entering the University and the McCombs School of Business as freshmen may apply to the Canfield Business Honors Program by completing a separate online application available through The University of Texas at Austin Office of Admissions. The Canfield Business Honors Program Committee considers the student's SAT Reasoning Test or ACT scores, high school class rank, preparatory courses, extracurricular activities, evidence of leadership ability, and other objective criteria.

Students may also seek admission to the Canfield Business Honors Program during the spring semester of their freshman year to begin taking courses as a sophomore. To be considered for admission, the student must have completed in the fall and spring semesters of the freshman year at least 24 semester hours of college-level coursework; this coursework must include Economics 304K and 304L or equivalent, Mathematics 408Q, or Mathematics 408R when taken in residence, or Mathematics 408K and 408L, or Mathematics 408N and 408S or Mathematics 408C and 408D, or the equivalent. The Canfield Business Honors Program Committee considers the student's grade point average in courses taken in residence at the University and the number, type, and rigor of the courses the student has taken at the University. Students will also be evaluated based upon evidence of their extracurricular activities and leadership abilities. An applicant's disciplinary record, as maintained by the Office of the Dean of Students, will be reviewed for academic dishonesty or other violations of University policy. Violations will be reported to the Admissions Committee and taken into account as part of the application process. Violations may exclude a student from admission depending on the nature and severity of the offense(s).

Students applying to the Canfield Business Honors Program are permitted to have received credit for Business Administration 101S and/or Management Information Systems 301; however, no credit will be accepted for other courses normally taken as part of the honors core.

Application materials and information about deadlines are available at <https://www.mcombs.utexas.edu/CBHP>.



## Academic Standards

A student who enters the Canfield Business Honors Program as a freshman must have a grade point average of at least 3.25 on the courses taken in residence during the fall and spring semesters of the first year to continue in the program. The student must complete at least 12 semester hours in residence on the letter-grade basis during each of those two semesters. After the freshman year, each student, whether admitted as a freshman or as a sophomore, is dismissed from the program if his or her overall or business grade point average drops below 3.25. Exceptions are granted only by the Canfield Business Honors Program Committee.

Violations of the University's policies on academic integrity or non-academic conduct can lead to dismissal from the Canfield Business Honors Program.

## Graduation

To graduate under the Canfield Business Honors Program, the student must earn a University grade point average of at least 3.25 and a grade point average of at least 3.25 in business courses.

## Degree Requirements

Canfield Business Honors Program students may choose a general program of study, or choose to combine the general program of study with an additional major. Requirements for the general program of study are:

- a. The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- b. Completion of the following business core courses and other business courses in special Honors Program sections:
  - i. Accounting 311H (may fulfill the quantitative reasoning flag)
  - ii. Accounting 312H (may fulfill the quantitative reasoning flag)
  - iii. Business Administration 101H
  - iv. Business Administration 151H
  - v. Business Administration 324H or Communication 324H (may fulfill the writing flag)
  - vi. Decision Science 235H
  - vii. Finance 357H
  - viii. Legal Environment of Business 323H (may fulfill the ethics flag)
  - ix. Management 101H
  - x. Management 336H (may fulfill the ethics flag)
  - xi. Management 327H
  - xii. Management 374H (may fulfill the writing and independent inquiry flags)
  - xiii. Management Information Systems 301H
  - xiv. Marketing 337H
  - xv. Operations Management 235H
  - xvi. Statistics 301H
  - xvii. Statistics 235H (may fulfill the quantitative reasoning flag)
- c. Six semester hours of upper-division business electives
- d. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

## Honors Computer Science and Business Admission

Admission to Computer Science and Business (CSB) is limited to a small number of high performing students who are chosen on a competitive basis. Students selected for the program will have demonstrated

exceptional potential for success in both computer science and business. Admission decisions are made by the CSB Committee. Students enter the program as freshmen.

Students entering The University of Texas at Austin as freshmen may apply to the CSB by completing a separate online application available through the UT Austin Office of Admissions. The CSB Committee considers the student's SAT Reasoning Test or ACT scores, high school class rank, preparatory courses, extracurricular activities, evidence of leadership ability, and other objective criteria.

## Academic Standards

A student who enters CSB as a freshman must have a grade point average of at least 3.25 on the courses taken in residence during the fall and spring semesters of the first year to continue in the program. The student must complete at least 12 semester hours in residence on the letter-grade basis during each of those two semesters. After the freshman year, each student is dismissed from the program if his or her overall, computer science, or business grade point average drops below 3.25. In addition to this grade point average requirement, students must know and abide by the academic and disciplinary policies given in this catalog and in the [General Information Catalog](#). Those who fail to do so will be considered for academic dismissal from the program. Under special circumstances and at the discretion of the CSB Program Committee, a student will be allowed to continue in the program under academic review. Students in scholastic difficulty should discuss their problems with the CSB Honors Program director(s) and their academic advisor(s).

## Graduation

To graduate under the CSB Honors Program, the student must earn a University grade point average of at least 3.25 and a grade point average of at least 3.25 in business courses and a grade point average of at least 3.25 in computer science courses. A candidate for any degree must be enrolled at The University of Texas at Austin in the semester or summer session in which the degree is awarded.

Students in CSB must satisfy the University's Core Curriculum and degree requirements for a B.S. in Computer Science and for a B.B.A.; combined degree requirements below. If students later elect to complete only one degree, they must consult their academic advisor(s) and fulfill all degree requirements.

## Degree Requirements

- a. Mathematics 408C and 408D, or 408N, 408S, and 408M; either 340L or 341 or Statistics and Data Sciences 329C; and Statistics and Data Sciences 321
- b. One of the following sequences of coursework, also fulfills all of part I of the core curriculum science and technology requirement:
  - i. Either Biology 311C and 311D, or 315H and 325H
  - ii. Chemistry 301 or CH 301H, and 302 or CH 302H
  - iii. Physics 303K and 103M, 301 and 101L or 317K and 117M; and 303L and 103N, 316 and 116L, or 317L and 117N.
- c. Economics 304K and 304L
- d. Three semester hours of coursework in anthropology, psychology, educational psychology, or sociology, chosen from approved courses; courses dealing primarily with statistics or data processing may not be used to fulfill this requirement. Social Science 302C, 302D, 302E, and 302F (for Plan II dual majors only), are also accepted. A list of coursework can be found in the Canfield Business Honors academic advising office.
- e. The following courses in computer science:

- i. Theory: Computer Science 311H, 331H
  - ii. Programming: Computer Science 314H
  - iii. Systems: Computer Science 429H, 439H
  - iv. Twelve additional hours of upper-division courses in computer science of which six hours must carry the honors designation.
- f. Completion of the following business core courses and other business courses in special Honors Program sections:
- i. Accounting 311H (may fulfill the quantitative reasoning flag)
  - ii. Accounting 312H (may fulfill the quantitative reasoning flag)
  - iii. Business Administration 101H
  - iv. Business Administration 151H
  - v. Business Administration 353
  - vi. Business Administration 324 or Communication 324H (may fulfill the writing flag)
  - vii. Decision Science 235H
  - viii. Finance 357H
  - ix. Legal Environment of Business 323H
  - x. Management 101H
  - xi. Management 336H (may fulfill the ethics flag)
  - xii. Management 327H
  - xiii. Management 374H (may fulfill the writing and independent inquiry flags)
  - xiv. Management Information Systems 301H
  - xv. Marketing 337H
  - xvi. Operations Management 235H
  - xvii. Statistics 235H (may fulfill the quantitative reasoning flag)

*This dual major requires 124 hours for completion of both degrees*

## Honors Electrical and Computer Engineering and Business (ECB)

Honors Electrical and Computer Engineering and Business (ECB) is a dual degree program between the Canfield Business Honors Program (Canfield BHP) and the Department of Electrical and Computer Engineering (ECE). The dual degree program's four-year undergraduate curriculum is aimed at preparing students for engineering and business careers. Students must successfully complete all requirements for both programs to receive a Bachelors of Science in Electrical and Computer Engineering with the ECE Honors transcript distinction and a Bachelor of Business Administration.

### Admissions

Admissions to the ECB program is limited to a small number of high-performing students who are chosen on a competitive basis. Students selected for the program will have demonstrated exceptional potential for success in both engineering and business. Admission decisions are made by the ECB committee. Students enter the program as a freshman.

The ECB program has its own admissions criteria and requirements that supplement the standard admissions requirements for the Cockrell School of Engineering, Canfield BHP, and UT Austin. Students will apply to the dual degree program in parallel with their application to UT Austin, the Cockrell School of Engineering, and the McCombs School of Business.

Students entering the university as freshmen may apply to the ECB program by completing a separate online application available through the UT Austin Office of Admissions. The committee considers the student's SAT Reasoning Test or ACT scores, high school rank,

preparatory courses, extracurricular activities, evidence of leadership ability, and other objective criteria.

### Academic Standards

A student who enters ECB as a freshman must have a grade point average of at least 3.25 on the Canfield BHP courses taken in residence during the fall and spring semesters of the first year to continue in the program. An ECB student must maintain a 3.3 in their ECE courses (honors and non-honors) and must be in good standing according to current policies of the ECE department and Canfield BHP. Students must complete at least 12 semester hours in residence on a letter-grade basis during the fall and spring semesters of the first year.

After freshman year, students are dismissed from the program if their overall business GPA drops below 3.25 or ECE GPA drops below a 3.3. Students failing to meet these requirements will be placed on probation for one semester, and then dismissed from the ECB program if they fail to improve their GPA. Students dismissed from the honors program become part of their first-choice major indicated on their admissions application unless they petition to join their second-choice major.

In addition to this grade point average requirement, students must know and abide by the academic and disciplinary policies given in this catalog and in the General Information Catalog. Those who fail to do so will be considered for academic dismissal from the program. Under special circumstances, and at the discretion of the ECB program committee, a student will be allowed to continue in the program under academic review. Students in scholastic difficulty should discuss their problems with the ECB program director(s) and their academic advisor(s).

### Graduation

To graduate under the ECB program, the student must earn a university grade point average of at least 3.25, and a grade point average of at least 3.25 in business courses, and a grade point average of at least a 3.3 in Electrical and Computer Engineering courses. A candidate for any degree must be enrolled at The University of Texas at Austin in the semester or summer session in which the degree is awarded.

Students in the ECB program must satisfy the university Core Curriculum and the combined degree requirements for a Bachelor of Science in Electrical and Computer Engineering with the ECE Honors transcript distinction and a Bachelor in Business Administration. If students later elect to complete only one degree, they must consult their academic advisor(s) and fulfill all degree requirements.

### Degree Requirements

- a. The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51).
- b. Mathematics 408C and 408D, or 408K, 408L, and 408M; 340L, and 427J.
- c. Physics 303K and 105M, 301 and 101L or 317K and 117M; and 303L and 105N, 316 and 116L, or 317L and 117N.
- d. Economics 304K and 304L
- e. Three semester hours of coursework in anthropology, psychology, educational psychology, or sociology with a primary focus other than statistics or data processing. Courses dealing primarily with statistics or data processing may not be used to fulfill this requirement. Social Science 302C, 302D, 302E, and 302F (for Plan II dual majors only), are also accepted. A list of coursework can be found in the Canfield Business Honors academic advising office.
- f. Students must take and successfully complete at least sixteen (16) hours of ECE Honors courses.
  - i. Electrical and Computer Engineering 302H and 319H in their first year.

- ii. Additional courses to be used towards the ECE Honors program include: Electrical and Computer Engineering 312H and 464H.
  - iii. Approved ECE Graduate Courses used as part of the ECE Undergraduate Degree may also be counted/substituted. Note that this does not apply for graduate courses taken for graduate credit as part of a graduate or integrated BSECE/ MSECE program.
  - iv. All ECE honors courses are used to fulfill ECE course requirements.
- g. Students in the ECB Honors Program must complete all ECE curriculum requirements and a minimum of 125 hours. Please refer to the Engineering "Degrees and Programs" section of this catalog for technical course options within each linked degree major program.
- i. 17 hours of business honors courses that substitute for ECE courses required for the ECE degree:
    - Business Administration 324H (substitutes for Electrical and Computer Engineering 333T)
    - Accounting 311H (substitutes for ECE lower-division elective)
    - Statistics 235H (substitutes for ECE advanced math or basic science)
    - Finance 357H (substitutes for ECE technical elective)
    - Management 336H (substitutes for ECE free elective)
    - Management 327H (substitutes for ECE free elective)
  - ii. Electrical and Computer Engineering 306, 411, and 313.
  - iii. Advance technical component within an identified component area: two component area courses (six to seven hours), one component laboratory course (four hours), one advanced mathematics course (three to four hours).
  - iv. Three (nine hours of) Electrical and Computer Engineering advanced technical elective courses.
  - v. Advanced technical elective: Within any core of Electrical and Computer Engineering: one upper-division electrical and computer engineering course (or ECE 316) (three to four hours).
- h. Completion of the following business core courses and other business courses in special Honors Program sections:
- i. Accounting 311H (may fulfill the quantitative reasoning flag)
  - ii. Accounting 312H (may fulfill the quantitative reasoning flag)
  - iii. Business Administration 101H
  - iv. Business Administration 151H
  - v. A professional, business-related experiential learning course chosen from the following: Accounting 366P, Business Administration 353 653, 366P, Finance 366P, Management 347P, 366P, 367P, 369P, Management Information Systems 366P, Marketing 366P, Operations Management 366P. Only one of the following courses may be counted toward the degree: Business Administration 353 or 653.
  - vi. Business Administration 324H or Communication 324H (may fulfill the writing flag)
  - vii. Decision Science 235H
  - viii. Finance 357H
  - ix. Legal Environment of Business 323H
  - x. Management 101H
  - xi. Management 336H (may fulfill the ethics flag)
  - xii. Management 327H
  - xiii. Management 374H (may fulfill the writing and independent inquiry flags)
  - xiv. Management 301H
  - xv. Marketing 337H

- xvi. Operations Management 235H
- xvii. Statistics 301H
- xviii. Statistics 235H (may fulfill the quantitative reasoning flag)

*This dual major program requires 155 hours for completion of both degrees.*

## Suggested Arrangement of Courses, Business Administration, Honors track (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
B A 101H (Major)	1	MIS 301H (Major)	3	(None)	
M 408Q (Core) <sup>020</sup>	4	STA 301H (Major)	3		
ECO 304K (General Education)	3	ECO 304L (General Education)	3		
MAN 101H (Major)	1	UGS 302 or 303 (Core) <sup>090, Wr</sup>	3		
B A 324H (Major)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
RHE 306 (Core) <sup>010</sup>	3				
		<b>15</b>		<b>15</b>	
				<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311H (Major)	3	ACC 312H (Major)	3	(None)	
B A 151H (Major)	1	O M 235H (Major)	2		
STA 235H (Major)	2	D S 235H (Major)	2		
MAN 327H (Major) <sup>1</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
GOV 310L (Core) <sup>070</sup>	3	Non-business Elective (Major)	3		
Approved PSY/SOC/ANT/EDP course (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
		<b>15</b>		<b>16</b>	
				<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
FIN 357H (Major)	3	MKT 337H (Major)	3	(None)	
MAN 336H (Major)	3	Upper-division Business elective (Major)	3		
U.S. History (Core) <sup>060</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
		<b>15</b>		<b>15</b>	
				<b>0</b>	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
LEB 323H (Major)	3	MAN 374H (Major)	3	(None)	
Upper-division Business elective (Major)	3	Upper-division non-business elective (Major)	3		
B A 353 (Major)	3	Free electives (Elective)	9		
U.S. History (Core) <sup>060</sup>	3				
Upper-division non-business elective (Major)	3				
		<b>15</b>		<b>15</b>	
				<b>0</b>	
<b>Total credit hours: 121</b>					

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Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Finance

Finance is the study of resource allocation—the process, markets, institutions, and instruments that provide for the transfer of money and wealth. The finance degree program offers students an opportunity to study the finance function in the business firm, the financial services firm, and the financial system.

The finance major presents students with the theoretical framework and analytical tools and techniques to handle a variety of finance and business functions. Students may choose one of seven tracks: corporate finance and investment banking, energy finance, law and science, investment management and banking, quantitative finance, finance with required accounting minor, or real estate; students who do not wish to specialize may choose the general finance track.

Corporate finance and investment banking courses are designed to prepare students for careers as associates of corporate treasury departments, as corporate financial analysts, and as management consultants. Energy finance courses are designed to prepare students for positions in project financing, valuation, and risk management in the energy sector. Investment management and banking courses are designed to give students a background suitable for starting positions as financial analysts with investment funds, investment banks, commercial banks, and other financial institutions. Quantitative finance courses are designed to prepare students for financial analyst positions in research departments of financial institutions and for graduate study in finance. Real estate courses are designed to give students a broad background in valuing and managing real estate; the track is intended to prepare students for positions in real estate commercial brokerage and appraisal, mortgage banking, loan underwriting, real estate development and investment, and property management. The finance track with a required accounting minor is appropriate for students who wish to enhance their understanding of auditing/financial reporting, managerial accounting/control and taxation, and students whose careers will interact with the Controller function of their organization.

Finance majors may specialize further by completing the Financial Analyst Program (FAP). This one year program allows competitively selected business students to work closely with finance faculty members and industry professionals to develop their skills and experience as analysts. The program may be combined with any of the finance options. More information about FAP is available in the Department of Finance office and at their [website](#).

The requirements of this program are:

- a. The [Core Curriculum](#) (p. 23) and the [BBA Degree Requirements](#) (p. 51)
- b. Accounting 326 (with the exception of the finance track with required accounting minor), Finance 367, 374C and 370 (may fulfill writing and independent inquiry flags)
- c. Only one independent study may be counted toward the finance major with the exception of the general finance track, the finance track with required accounting minor, and the real estate track, which do not allow independent study, as noted below
- d. One of the following tracks:
  - i. *Corporate Finance and Investment Banking*
    1. One of the following courses: Accounting 327 (may fulfill the quantitative reasoning flag), 329, 362, or 364
    2. Two of the following courses: Finance 321K, 366P, 371M, 372, 373, 374S, 376, 377 (Topic 1: *Portfolio Analysis and Management*), either 377 (Topic 2: *Financial Risk Management*) or 377 (Topic 5: *Energy Financial Risk Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*)
  - ii. *Energy Finance, Law and Science*
    1. Finance 377 (Topic 5: *Energy Financial Risk Management*)
    2. Two of the following courses: Finance 321K, 366P, 371M, 372, 373, 374S, FIN 375F, 376, 377 (Topic 1: *Portfolio Analysis and Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*)
    3. Geological Sciences 303 or 401; also fulfills one class of the part I sequence of the core curriculum science and technology requirement, or all of part II
    4. Business, Government, and Society 370 (Topic 10: *Nontechnical Exploration and Production*)
    5. Legal Environment of Business 370 (Topic 14: *Oil and Gas Law*)
    6. Geological Sciences 316P; this class cannot satisfy any core curriculum science and technology requirements
    7. Note: Students in this track do not take 9 hours of free electives; those are fulfilled by Business, Government, and Society 370 (Topic 10: *Nontechnical Exploration and Production*), Legal Environment of Business 370 (Topic 14: *Oil and Gas Law*), and Geological Sciences 316P
    8. Note: Finance majors who select the Energy Finance, Law and Science track cannot pursue the Energy Management minor; **however**, they may select any **other** finance track in order to complete the Energy Management Minor.
  - iii. *Investment Management and Banking*
    1. Finance 377 (Topic 1: *Portfolio Analysis and Management*)
    2. Finance 371M
    3. One of the following courses: Finance 321K, 366P, 372, 373, 374S, FIN 375F, 376, either 377 (Topic 2: *Financial Risk Management*) or 377 (Topic 5: *Energy Financial Risk Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*), Real Estate 378K
  - iv. *General Finance*
    1. Nine semester hours of upper-division coursework in finance; up to six hours may be taken in real estate. The following courses may **not** be used to fulfill this requirement: Finance 357, 367, and 370. Finance 377 (Topic 2: *Financial Risk Management*) and 377 (Topic 5: *Energy Financial Risk Management*) may not both be used. Finance 377 (Topic 3: *Security Analysis*) is open only to students in the Financial Analyst Program.
    2. An independent research course may not be counted toward the general finance option
  - v. *Quantitative Finance*

1. Finance 377 (Topic 2: *Financial Risk Management*) or 377 (Topic 5: *Energy Financial Risk Management*)
2. One of the following courses: Finance 321K, 371M, 372, 373, 374S, 376, 377 (Topic 1: *Portfolio Analysis and Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*)
3. One of the following courses: Finance 366P, 372 (Topic 4: Quant Investment Management), Statistics 372 (Topic 9: *Time Series Forecasting*), Decision Science 372 (Topic 6: *Optimization Methods in Finance*), 372 (Topic 7: *Computational Finance*), Management Information Systems 373 (Topic 17: *Predictive Analytics and Data Mining*), 373 (Topic 11: *Advanced Analytics Programming*), 373 (Topic 26: *Healthcare Analytics*), Operations Management 337 (Topic 6: *Supply Chain Analytics*)

vi. *Real Estate*

1. Finance 371M
2. Six semester hours of coursework in real estate
3. An independent research course may not be counted toward the real estate option
4. Note: Finance majors who select the Real Estate track cannot pursue the Real Estate minor; **however**, they may select any **other** finance track in order to complete the Real Estate Minor.

vii. *Finance with Required Accounting Minor*

1. Nine semester hours of upper-division coursework in finance; up to six hours may be taken in real estate. The following courses may **not** be used to fulfill this requirement: Finance 357, 367, and 370. Finance 377 (Topic 2: *Financial Risk Management*) and 377 (Topic 5: *Energy Financial Risk Management*) may not both be used. Finance 377 (Topic 3: *Security Analysis*) is open only to students in the Financial Analyst Program.
  - Students may choose to complete this requirement with the finance course requirements for any one of tracks a-f
2. Accounting Minor for Business Majors (p. ), completed in full
3. An independent research course may not be counted toward the finance with accounting minor option

e. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

## Suggested Arrangement of Courses, Finance (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S (Major)	1	B A 101S (Major)	1	(None)	
M 408Q (Core) <sup>020</sup>	4	STA 301 (Major)	3		
ECO 304K (General Education)	3	ECO 304L (General Education)	3		
RHE 306 (Core) <sup>010</sup>	3	MIS 301 (Major)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
		PSY, SOC, ANT, or EDP course (General Education)	3		
		<b>14</b>		<b>16</b>	
<b>0</b>					
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)	3	ACC 312 (Major)	3	(None)	
STA 235 (Major)	2	FIN 357 (Major)	3		
D S 235 (Major)	2	O M 235 (Major)	2		

B A 324 (Major)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3				
		<b>16</b>		<b>14</b>	
<b>0</b>					
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
FIN 367 (Major)	3	Finance track course (Major)	3	(None)	
FIN 374C (Major)	3	ACC 326 (Major)	3		
MKT 337 (Major)	3	MAN 336 (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
		<b>15</b>		<b>15</b>	
<b>0</b>					
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Finance track course (Major)	3	FIN 370 (Major)	3	(None)	
B A 353 (Major)	3	Finance track course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	LEB 323 (Major)	3		
Upper-division Non-Business elective (Elective)	3	Upper-division Non-Business elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
		<b>15</b>		<b>15</b>	
<b>0</b>					
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

*Course categories:* Core, General Education, Major, Elective, Opportunity

*Core Component Areas:* <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## International Business

Technological advances have connected the world's countries, societies, economies, and individuals in ways that were unimaginable not long ago. What happens outside U.S. borders is of paramount concern to American businesses and citizens. This major provides students with detailed knowledge about the global aspects of the U.S. economy and specific, functional skills useful to a career in the global economy.

The requirements of this program, which has two tracks, are:

# Suggested Arrangement of Courses, International Business (BBA)

- a. The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- b. International Business 350 or 350S
- c. International Business 378 (may fulfill the writing, independent inquiry, and global cultures flags)
- d. Three semester hours approved international experience; the choices are either a study abroad program of at least five weeks in length, or an international internship of at least six weeks in length, and at least 160 hours work.
  - i. "Approved" means the experience has been reviewed and approved by the International Business Faculty Advisor or their designate and determined to be of sufficient academic and cultural value to satisfy the degree requirement.
  - ii. Approval must be obtained prior to travel, and can be requested through the International Business Canvas Community.
  - iii. Students are encouraged to look first at programs sponsored by UT Austin; other non-UT programs could be considered but may require additional research by the student to provide complete information on the International and Geographic Planner.
- e. The additional requirements of one of the following tracks:
  - i. *Language Skills track*
    1. Six hours from the list of International Business elective courses in #6 below.
    2. Twelve semester hours of coursework in a foreign language associated with the area studies used to fulfill requirement 4.a.4 below. A minimum of six of the 12 required hours must be at the upper-division level.
    3. Nine semester hours of upper-division coursework focused on a specific geographic region. Examples of acceptable fields of study are Latin American studies; Middle Eastern studies; Asian studies; Russian, East European, and Eurasian studies; and specific countries within western Europe (e.g., France, Spain, Germany and others) or other areas related to the student's geographic region. All area coursework must be approved by the international business faculty advisor.
  - ii. *Global Business Skills track*
    1. Twelve hours from the list of International Business elective courses in #6 below.
    2. Additional elective coursework necessary to provide a total of at least 120 semester hours.
- f. International Business Major Elective Courses:
  - i. International Business 362, *Global Regulatory Strategy*,
  - ii. Business, Government, and Society 374, *Global Political Economy*
  - iii. Finance 376/International Business 376, *International Finance*,
  - iv. International Business 365, *Finance and Global Business*,
  - v. O M 367/I B 367,,
  - vi. International Business 366/Accounting 366C, *International Accounting and Transfer Pricing*,
  - vii. International Business 368, *Global Value Chains*,
  - viii. International Business 372, any topic,
  - ix. International Business 340S, any topic.

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S (Major)	1	B A 101S (Major)	1	(None)	
M 408Q (General Education)	4	STA 301 (Major)	3		
ECO 304K (General Education)	3	ECO 304L (General Education)	3		
RHE 306 (Core) <sup>010</sup>	3	MIS 301 (Major)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
		PSY, SOC, ANT, or EDP course (General Education)	3		
			<b>14</b>	<b>16</b>	<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)	3	I B 350 (Major)	3	(None)	
STA 235 (Major)	2	MKT 337 (Major)	3		
D S 235 (Major)	2	O M 235 (Major)	2		
B A 324 (Major)	3	I B track course (Major)	3		
I B track course (Major)	3	I B track course (Major)	3		
I B track course (Major)	3				
			<b>16</b>	<b>14</b>	<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 312 (Major)	3	FIN 357 (Major)	3	(None)	
LEB 323 (Major)	3	MAN 336 (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	I B track course (Major)	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	I B track course (Major)	3		
U.S. History (Core) <sup>060</sup>	3	I B track course (Major)	3		
			<b>15</b>	<b>15</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I B track course (Major)	3	I B 378 (Major)	3	(None)	
B A 353 (Major)	3	I B track course (Major)	3		
GOV 312L (Core) <sup>070</sup>	3	I B track course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>	3		
			<b>15</b>	<b>15</b>	<b>0</b>
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>I</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Management

The Department of Management offers courses in such areas as consulting, change management, human capital management, and entrepreneurship. Students may either choose from the available courses to customize a major in general management, or follow the focused curriculum in consulting and change management.

The major objective of the general management track is to train broadly competent administrators for service in a wide variety of organizations—public or private, product- or service-oriented, profit or not-for-profit. To accomplish this basic objective, the program offers the student the opportunity to acquire knowledge about the management of human and physical resources and to acquire skills useful in the management of any organization.

The consulting and change management track is designed to prepare students to become leaders in consulting firms, firms that require consulting advice, and firms implementing important changes. At times, every organization must renew its ability to compete; many firms use external advisors to assist in the renewal process. The consulting process often involves extensive analysis of the firm's competitive position, capabilities, organizational processes, and culture. Once a new direction is developed, the implementation of change must be managed. Such changes include introduction of new competitive thrusts, revision of organizational structures, incorporation of new technologies, and expansion into new geographic markets.

The Entrepreneurship track is designed to equip students with the perspectives, knowledge, and skills necessary to engage in entrepreneurship, broadly defined to include the launch and development of new businesses as well as the growth and renewal of existing enterprises. The program will equip students with entrepreneurial thinking and talents to propel their success in a knowledge-based, innovation-driven economy, across a broad range of industries and settings.

## General Management Track

The requirements of the general management track are:

- The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- Management 374 (may fulfill the writing and independent inquiry flags)
- Twelve semester hours of upper-division coursework in management
- Six semester hours of upper-division coursework in social science (anthropology, economics, educational psychology, government, history, linguistics, geography, psychology, sociology)
- Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

Practicum courses (Management 347P, Management 366P, Management 367P, Management 369P) may be used to satisfy a management elective or the BBA experiential learning requirement, but one class may not be used to satisfy both.

## Consulting and Change Management Track

The requirements of the consulting and change management track are:

- The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- Management 328
- Management 337 (Topic 7: *People Analytics*)
- Management 374 (may fulfill the writing and independent inquiry flags)
- Six semester hours chosen from the following courses: any upper-division course in management, Accounting 329, Operations Management 337 (Topic 1: *Total Quality Management*).
- Six semester hours of upper-division coursework in social science (anthropology, economics, educational psychology, government, history, linguistics, geography, psychology, sociology)
- Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

Practicum courses (Management 347P, Management 366P, Management 367P, Management 369P) may be used to satisfy a management elective or the BBA experiential learning requirement, but one class may not be used to satisfy both.

## Entrepreneurship Track

The requirements of the entrepreneurship track are:

- The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- Management 374 (may fulfill the writing and independent inquiry flags)
- Management 327 or 327H
- Management 327E
- Three semester hours upper-division management
- Three semester hours chosen from the following courses: Management 347P, 366P, 367P, 369P
- Six semester hours of upper-division coursework in social science (anthropology, economics, educational psychology, government, history, linguistics, geography, psychology, sociology)
- Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

Practicum courses (Management 347P, Management 366P, Management 367P, Management 369P) may be used to satisfy a management elective or the BBA experiential learning requirement, but one class may not be used to satisfy both.

Management majors are ineligible to participate in the Entrepreneurship Minor, but instead should select the Entrepreneurship track of the Management major.

# Suggested Arrangement of Courses, Management (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S (Major)	1	B A 101S (Major)		1 (None)	
M 408Q (Core) <sup>020</sup>	4	STA 301 (Major)		3	
ECO 304K (General Education)	3	ECO 304L (General Education)		3	
RHE 306 (Core) <sup>010</sup>	3	MIS 301 (Major)		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	PSY, SOC, ANT, or EDP course (General Education)		3	
		Visual and Performing Arts (Core) <sup>050</sup>		3	
		<b>14</b>		<b>16</b>	<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)	3	ACC 312 (Major)		3 (None)	
STA 235 (Major)	2	MAN 336 (Major)		3	
D S 235 (Major)	2	O M 235 (Major)		2	
B A 324 (Major)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
Free elective (Elective)	3				
		<b>16</b>		<b>14</b>	<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division MAN course (Major)	3	Upper-division MAN course (Major)		3 (None)	
MKT 337 (Major)	3	FIN 357 (Major)		3	
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>		3	
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>		3	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Social Science course (Electives)		3	
		<b>15</b>		<b>15</b>	<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division MAN course (Major)	3	MAN 374 (Major)		3 (None)	
B A 353 (Major)	3	Upper-division MAN course (Major)		3	
Upper-division Social Science course (Elective)	3	LEB 323 (Major)		3	
Free electives (Elective)	6	Free electives (Elective)		6	
		<b>15</b>		<b>15</b>	<b>0</b>

Total credit hours: 120

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Management Information Systems

There is a great demand for individuals with knowledge about both business and computer applications. Through a series of business core courses and business computer courses, the program in management information systems is intended to prepare a professional who can fully appreciate the complexity of information system design. The graduate is expected to have both the technical and the managerial knowledge to solve fundamental business problems in inventory control, production, forecasting, finance, cost accounting, and other areas. Courses are designed to provide a foundation in the integration of hardware, software, networking, and business functional analysis for business systems.

The requirements of this program are:

- The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- Management Information Systems 304, *Introduction to Problem Solving and Programming*
- Management Information Systems 325, *Database Management*
- Management Information Systems 333K, *Web Application Development*
- Management Information Systems 374, *Business System Development*
- Management Information Systems 375, *Strategic Information Technology Management* (may fulfill the writing and independent inquiry flags)
- Six additional semester hours of upper-division coursework in management information systems
- Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

## Suggested Arrangement of Courses, Management Information Systems (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S, 101T, or 101H (Major)	1	B A 101S, 101T, or 101H (Major)		1 (None)	
M 408Q (Major)	4	STA 301 (Major)		3	
ECO 304K (General Education)	3	ECO 304L (General Education)		3	
RHE 306 (Major) <sup>010</sup>	3	MIS 301 (Major)		3	
UGS 302 or 303 (Core) <sup>090</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
		Visual and Performing Arts (Core) <sup>050</sup>		3	
		<b>14</b>		<b>16</b>	<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)	3	ACC 312 (Major)		3 (None)	
MIS 304 (Major)	3	MIS 325 (Major)		3	



O M 235 or 334M (Major)	2 STA 235 (Major)	2			
B A 324 (Major)	3 D S 235 (Major)	2			
GOV 310L (Core) <sup>070</sup>	3 GOV 312L (Core)	3			
	PSY/SOC/ANT/EDP course	3			
		<b>14</b>	<b>16</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MIS 333K (Major)		3 Upper-division MIS course (Elective)		3 (None)	
MKT 337 (Major)		3 FIN 357 (Major)		3	
MAN 336 (Major)		3 E 316L, 316M, 316N, or 316P (Core)		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
		<b>15</b>	<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MIS 375 (Major)		3 MIS 374 (Major)		3 (None)	
Upper-division MIS course (Elective)		3 LEB 323 (Major)		3	
B A 353 (Major)		3 Upper-division Non-Business course (Elective)		3	
Upper-division Non-Business course (Elective)		3 Free elective (Elective)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
		<b>15</b>	<b>15</b>		<b>0</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Marketing

Marketers help the firm discover and utilize new technological and market opportunities. Their motivation is to create strong brands and loyal customers in the ever-shifting competitive landscape. This is possible through the efforts of marketers to identify the customers with needs the firm is best positioned to meet. Marketers ensure the firm is offering customers well-designed products and services at just the right price, and makes the products available through the right distribution channels, while promoting product offerings through innovative, informative, and persuasive communications. Career opportunities

in marketing exist in every industry, no matter the type and size of business.

The requirements of this program are:

- The Core Curriculum (p. 23) requirements and the BBA Degree Requirements (p. 51)
- Marketing 360 (may fulfill the quantitative reasoning flag), and 370 (may fulfill the writing and independent inquiry flags)
- Twelve semester hours of upper-division coursework in marketing, or International Business 350
- Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

Practicum course Marketing 366P may be used to satisfy a marketing elective or the BBA experiential learning requirement, but not both.

A maximum of three hours Marketing 178/278/378 can be counted towards marketing electives for a Marketing major.

For course planning, Marketing majors should carefully consider the prerequisites for Marketing 370: 90 semester hours of college coursework, including Marketing 360; credit or registration for an approved experiential learning course; and three additional semester hours of elective coursework in marketing.

## Suggested Arrangement of Courses, Marketing (BBA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S (Major)		1 B A 101S (Major)		1 (None)	
M 408Q (Major)		4 STA 301 (Major)		3	
ECO 304K (General Education)		3 ECO 304L (General Education)		3	
RHE 306 (Core) <sup>010</sup>		3 MIS 301 (Major)		3	
UGS 302 or 303 (Core) <sup>090</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
		Approved PSY/SOC/ANT/EDP (Major)		3	
		<b>14</b>	<b>16</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)		3 ACC 312 (Major)		3 (none)	
STA 235 (Major)		2 MKT 337 (Major)		3	
D S 235 (Major)		2 O M 235 (Major)		2	
B A 324 (Major)		3 Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Visual and Performing Arts (Core) <sup>050</sup>		3			
		<b>16</b>	<b>14</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MKT 360 (Major)		3 Marketing course (Elective)		3 (None)	
Marketing course (Elective)		3 Marketing course (Elective)		3	
FIN 357 (Major)		3 MAN 336 (Major)		3	
U.S. History (Core) <sup>060</sup>		3 E 316L, 316M, 316N, or 316P (Core)		3	

GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
	15		15		0

**Fourth Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Marketing course (Elective)		3 MKT 370 (Major)		3 (None)	
LEB 323 (Major)		3 Upper-division Non-Business course (Elective)		3	
B A 353 (Major)		3 Free elective (Elective)		3	
Upper-division Non-Business course (Elective)		3 Free elective (Elective)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
	15		15		0

**Total credit hours: 120**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)

## Supply Chain Management

The supply chain management major is designed to prepare students to become leaders in supply chain management, a total systems approach taken by companies, suppliers, and partners to deliver manufactured products and services to the end customer. Information technology is used to integrate all elements of the supply chain from sourcing parts to coordination of retailers; this integration gives the enterprise a competitive advantage that is not available in traditional logistics systems. Entry-level positions in supply chain management include buyer, materials manager, risk management analyst, logistics planner, and staff consultant. Students work closely with the faculty advisor in the Department of Information, Risk, and Operations Management.

The requirements of this program are:

- The [Core Curriculum](#) (p. 23) requirements and the [BBA Degree Requirements](#) (p. 51)
- Operations Management 337 (Topic 3: *Procurement and Supplier Management*) (may fulfill the writing and independent inquiry flags)
- Operations Management 338, *Supply Chain Modeling and Optimization* (may fulfill the quantitative reasoning flag)
- O M 367,
- O M 368,
- Six additional semester hours of upper-division coursework in Operations Management or Management 337 (Topic 21: *The Art and Science of Negotiation*)

g. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

## Suggested Arrangement of Courses, Supply Chain Management (BBA)

**First Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
MAN 101S (Major)		1 B A 101S (Major)		1 (None)	
M 408Q (Core, General Education) <sup>020</sup>		4 STA 301 (Major)		3	
ECO 304K (General Education)		3 ECO 304L (General Education)		3	
RHE 306 (Core) <sup>010</sup>		3 MIS 301 (Major)		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
		PSY, SOC, ANT, or EDP course (General Education)		3	
	14		16		0

**Second Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
ACC 311 (Major)		3 ACC 312 (Major)		3 (None)	
O M 235 (Major)		2 STA 235 (Major)		2	
B A 324 (Major)		3 D S 235 (Major)		2	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
		Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
	14		16		0

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
O M 338 (Major)		3 O M 368 (Major)		(None)	
MKT 337 (Major)		3 FIN 357 (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 MAN 336 (Major)		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Free elective (Elective)		3 Upper-division Non-Business elective (Elective)		3	
	15		12		0

**Fourth Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
O M 337 (Topic 3) (Major)		3 O M 367 (Major)		(None)	
Upper-division O M course (Major)		3 Upper-division O M course (Major)		3	
B A 353 (Major)		3 LEB 323 (Major)		3	
Upper-division Non-Business elective (Elective)		3 Free electives (Elective)		6	
Free elective (Elective)		3			
	15		12		0

**Total credit hours: 114**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin; students pursuing an integrated undergraduate/graduate program must complete the requirements for the minor within one year after completing the undergraduate requirements of their program. For more information regarding the requirements for achieving a minor, including a comprehensive list of all minors offered on The University of Texas at Austin campus, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

Students admitted to transcript-recognized minors must contact their academic advisors to have approved minors added to their degree audit profiles. This allows progress toward the credential to be tracked and ensures that minors are added to official transcripts upon graduation, if all requirements are met.

The McCombs School of Business offers minors for different undergraduate student populations:

- Minors for Business Majors – discipline-specific minors available only to degree-seeking McCombs School of Business students, in six individual business fields of study, and two innovative, demand-driven areas
- The comprehensive Business Minor – restricted to degree-seeking non-business students, a multidisciplinary exposure to the primary fields of study in business
- Accounting Minor for Business Economics Option Program, and Finance Minor for Business Economics Option Program – available only to degree-seeking Economics majors who have been admitted to the BEOP
- Specialized Business Minors - available to all undergraduate students

### Minors for Business Majors

While a minor is not required as part of the BBA degree program, a degree-seeking BBA student may choose to complete one minor in conjunction with the degree, which must be in a different field of study from the student's major. A student who wishes to pursue more than one transcript-recognized minor per degree is required to consult with their academic advisor and obtain permission from the School.

The business school offers several minors that are available only to students enrolled in the McCombs School of Business. Six of these are offered in academic disciplines in which undergraduate majors are also available: Accounting, Finance, Management, Management Information Systems, Marketing, and Supply Chain Management. In addition, all

degree-seeking students in the McCombs School of Business may pursue a minor in Business Analytics, while students majoring in Accounting or Finance may acquire a minor in Wealth Management.

To fulfill a minor for business majors, students must complete 15 to 18 semester hours of coursework as described below in the requirements of the selected minor. The University requires at least nine hours of the minor to be coursework not used to satisfy requirements of the student's major. This means that only Business Administration 324/324H or Communication 324M/324H and the business/specific major course(s) required for the minor (i.e. Accounting 312/312H, Finance 357/357H, Management 336/336H, Management Information Systems 301/ 301H, Marketing 337/337H, Operations Management 235/235H; Management 101H/101S/101T; Statistics 235/235H, Decision Science 235/235H, Management Information Systems 304; Accounting 364, 378 (*Topic 3: Financial Planning for Wealth Management*), Finance 367) can satisfy both BBA degree requirements and business minor requirements simultaneously; the remaining nine hours for each business minor cannot be coursework used to satisfy other BBA degree requirements, except free or non-business electives. At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis, and completed in conjunction with the students' major requirements at the time of graduation.

Students admitted to a business minor must contact their BBA academic advisor to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met at the time of graduation.

### Accounting Minor for Business Majors

The Accounting Minor for Business Majors requirements are:

Requirements		Hours
B A 324	Business Communication: Oral and Written	3
or B A 324H	Business Communication: Oral and Written: Honors	
or COM 324M	Introduction to Business Communication	
or COM 324H	Introduction to Business Communication: Honors	
ACC 312	Fundamentals of Managerial Accounting	3
or ACC 312H	Fundamentals of Managerial Accounting: Honors	
ACC 326	Financial Accounting–Intermediate	3
Six additional semester hours of upper-division coursework in accounting		6

Please Note:

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Finance majors who wish to pursue an Accounting Minor may only do so by selecting the Finance Track with Required Accounting Minor.

### Business Analytics Minor

The Business Analytics Minor will provide BBA students with skills in collecting, cleaning, and analyzing data as well as modeling and optimizing data-driven decisions in practical business contexts.

Students will acquire fundamental skills in programming, statistics, machine learning, and decision science and be able to apply these to predict, model, and optimize. As business analytics has become increasingly important in all fields, this minor will be a valuable complement to any McCombs major.

Admission to the minor is based on students' overall academic record, including but not limited to hours and rigor of courses taken in residence, demonstrated interest, and The University of Texas at Austin grade point average, particularly in statistics and decision science courses. To apply for the minor students must:

- have a cumulative University grade point average of at least 3.00;
- have a GPA of at least 3.333 in Statistics 301, Statistics 235, and Decision Science 235.

Students may apply to the minor in the spring of either their Sophomore or Junior year. No more than 40 students will be admitted per year and there will be no more than 120 in the minor at any time. Admissions decisions will be based upon GPA in statistics and decision science courses and cumulative University GPA.

To fulfill the Business Analytics Minor, students must complete 16 semester hours of coursework as described below. Students admitted to the Business Analytics Minor must contact their BBA academic advisor to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the students' major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Business Analytics Minor requirements are:

Requirements		Hours
STA 235	Data Science for Business Applications	2
or STA 235H	Data Science for Business Applications: Honors	
D S 235	Introduction to Decision Science	2
or D S 235H	Introduction to Decision Science: Honors	
BAX 304	Introduction to Problem Solving and Programming	3
or MIS 304	Introduction to Problem Solving and Programming	
or C S 303E	Elements of Computers and Programming	
Nine additional semester hours selected from the following <sup>1</sup>		9
BAX 362	Auditing and Control	
or ACC 362	Auditing and Control	
BAX 372	Topics in Business Analytics (Topic 6: Optimization Methods in Finance)	
or		
D S 372	Topics in Decision Science (Topic 6: Optimization Methods in Finance)	
FIN 372	Advanced Topics in Finance (Topic 5: Financial Technology)	

BAX 372	Topics in Business Analytics (Topic 7: People Analytics)
or	
MAN 337	Special Topics in Management (Topic 7: People Analytics)
BAX 325	Database Management
or MIS 325	Database Management
BAX 372	Topics in Business Analytics (Topic 1: Advanced Analytics Programming)
or	
MIS 373	Topics in Management Information Systems (Topic 11: Advanced Analytics Programming)
BAX 372	Topics in Business Analytics (Topic 2: Predictive Analytics and Data Mining)
or	
MIS 373	Topics in Management Information Systems (Topic 17: Predictive Analytics and Data Mining)
or	
MKT 372	Marketing Seminar (Topic 22: Predictive Analytics and Data Mining)
BAX 372	Topics in Business Analytics (Topic 23: Social Media Analytics)
or	
MIS 373	Topics in Management Information Systems (Topic 23: Social Media Analytics)
BAX 372	Topics in Business Analytics (Topic 4: User Generated Content Analytics)
or	
MIS 373	Topics in Management Information Systems (Topic 25: User Generated Content Analytics)
BAX 360	Information and Analysis
or MKT 360	Information and Analysis
BAX 372	Topics in Business Analytics (Topic 8: Pricing and Channels)
or	
MKT 372	Marketing Seminar (Topic 14: Pricing and Channels)
BAX 372	Topics in Business Analytics (Topic 9: Data Analytics for Marketing)
or	
MKT 372	Marketing Seminar (Topic 23: Data Analytics for Marketing)
BAX 372	Topics in Business Analytics (Topic 10: Data Driven Marketing)
or	
MKT 372	Marketing Seminar (Topic 25: Data Driven Marketing)
BAX 372	Topics in Business Analytics (Topic 16: Supply Chain Analytics)
or	

O M 337	Special Topics in Operations Management (Topic 6: Supply Chain Analytics)
BAX 372	Topics in Business Analytics (Topic 17: Health Care Analytics)
or	
O M 337	Special Topics in Operations Management (Topic 8: Health Care Analytics)
BAX 338	Supply Chain Modeling and Optimization
or O M 338	Supply Chain Modeling and Optimization
BAX 372	Topics in Business Analytics (Topic 21: Time Series Forecasting)
or	
STA 372	Topics in Statistics (Topic 9: Time Series Forecasting)

Please Note: Other courses may be considered for substitution, as approved by the Business Analytics Minor Committee.

All classes must be taken on the letter-grade basis.

The student must earn a combined grade point average of at least 3.00 in these courses.

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1. The nine elective hours must be different from courses taken for the students' major; these nine hours cannot simultaneously satisfy any degree requirements except free electives only. Students should carefully choose electives from a field of study different than their major, and should consult their academic advisor.

## Finance Minor for Business Majors

The Finance Minor for Business Majors requirements are:

Requirements	Hours	
B A 324	Business Communication: Oral and Written	3
or B A 324H	Business Communication: Oral and Written: Honors	
or COM 324M	Introduction to Business Communication	
or COM 324H	Introduction to Business Communication: Honors	
FIN 357	Business Finance	3
or FIN 357H	Business Finance: Honors	
FIN 367	Investment Management	3
Six additional semester hours chosen from the following courses:		6
One of:		
FIN 371M	Money and Capital Markets	
One or two of:		
FIN 321K	Intermediate Microeconomics for Business	
FIN 372	Advanced Topics in Finance (any topic)	
FIN 374C	Valuation	
FIN 374S	Entrepreneurial Finance	
FIN 376	International Finance	

FIN 377	Advanced Investment Analysis (Topic 1 Portfolio Analysis and Management)
FIN 377	Advanced Investment Analysis (Topic 4 Financial Analysis)

One of:

FIN 377	Advanced Investment Analysis (Topic 2 Financial Risk Management)
FIN 377	Advanced Investment Analysis (Topic 5 Energy Financial Risk Management)

One topic of:

FIN 340S	Topics in Finance (any topic; only three hours of FIN 340S may be used)
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One of:

R E 358	Introduction to Real Estate and Urban Land Development
R E 378K	Real Estate Finance and Syndication

Please Note:

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Independent Research and Practicum courses may not be applied to the Finance minor.

For students pursuing the integrated approach BBA/MPA degree, nine hours for the Finance minor must be taken in addition to the Finance 367 course and the business elective required for the integrated BBA/MPA degree, in order to obtain a Finance Minor.

## Management Minor for Business Majors

The Management Minor for Business Majors requirements are:

Requirements	Hours	
B A 324	Business Communication: Oral and Written	3
or B A 324H	Business Communication: Oral and Written: Honors	
or COM 324M	Introduction to Business Communication	
or COM 324H	Introduction to Business Communication: Honors	
MAN 336	Organizational Behavior	3
or MAN 336H	Organizational Behavior: Honors	
Nine additional semester hours of upper-division coursework in management		9

Please Note:

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

## Management Information Systems Minor for Business Majors

The Management Information Systems Minor for Business Majors requirements are:

Requirements		Hours
B A 324	Business Communication: Oral and Written	3
or B A 324H	Business Communication: Oral and Written: Honors	
or COM 324M	Introduction to Business Communication	
or COM 324H	Introduction to Business Communication: Honors	
MIS 301	Introduction to Information Technology Management	3
or MIS 301H	Introduction to Information Technology Management: Honors	
One of the following:		9
Nine additional semester hours of upper-division coursework in management information systems		
or		
MIS 304	Introduction to Problem Solving and Programming	
And six additional semester hours of upper-division coursework in management information systems		

**Please Note:**

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Marketing Minor for Business Majors

The Marketing Minor for Business Majors requirements are:

Requirements		Hours
B A 324	Business Communication: Oral and Written	3
or B A 324H	Business Communication: Oral and Written: Honors	
or COM 324M	Introduction to Business Communication	
or COM 324H	Introduction to Business Communication: Honors	
MKT 337	Principles of Marketing	3
or MKT 337H	Principles of Marketing: Honors	

Nine additional semester hours of upper-division coursework in marketing

**Please Note:**

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Supply Chain Management Minor for Business Majors

The Supply Chain Management Minor for Business Majors requirements are:

Requirements		Hours
B A 324	Business Communication: Oral and Written	3
or B A 324H	Business Communication: Oral and Written: Honors	
or COM 324M	Introduction to Business Communication	
or COM 324H	Introduction to Business Communication: Honors	
O M 235	Operations Management	2 or 3

or O M 235H	Operations Management: Honors	
or O M 334M	Healthcare Operations Management	
MAN 101S	Leadership Challenges and Innovation	1
or MAN 101H	Leadership Challenges and Innovation: Honors	
or MAN 101T	Leadership Challenges and Innovation	
Nine additional semester hours of upper-division coursework in operations management		9

**Please Note:**

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Minors for Non-Business Majors

#### The Business Minor

The Business Minor is designed to provide a foundation in business concepts and practice for students in non-business majors. Any non-business student with a University grade point average of at least 2.00 may take any of the business foundations course listed below, whether pursuing the Business Minor or not. Students who intend to complete the Business Minor must apply online for admission and be admitted.

To fulfill the Business Minor, students must complete 18 semester hours of coursework as described below. Students admitted to the Business Minor must contact their home college to have the approved minor added to their degree audit profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at the University. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements. It is recommended, but not required, that students also complete a course in economics. While not assumed in the business foundations courses, knowledge of economics can be helpful for understanding business concepts.

Requirements		Hours
<b>Accounting Requirement</b>		<b>3 or 6</b>
ACC 310F	Foundations of Accounting	
or		
ACC 311 & ACC 312	Fundamentals of Financial Accounting and Fundamentals of Managerial Accounting <sup>1</sup>	
<b>Management Information Systems Requirement</b>		<b>3</b>
MIS 302F	Foundations of Information Technology Management ((or equivalent)) <sup>2</sup>	
<b>Finance Requirement</b>		<b>3</b>
FIN 320F	Foundations of Finance	
or		
FIN 357	Business Finance <sup>1</sup>	
<b>Management Requirement</b>		<b>3</b>
MAN 320F	Foundations of Management and Organizational Behavior <sup>3</sup>	
or		
MAN 336	Organizational Behavior <sup>1</sup>	
<b>Legal Environment of Business Requirement</b>		<b>3</b>
LEB 320F	Foundations of Business Law and Ethics <sup>3</sup>	

or		
LEB 323	Business Law and Ethics	
<b>Marketing Requirement</b>		<b>3</b>
MKT 320F	Foundations of Marketing <sup>3</sup>	
or		
MKT 337	Principles of Marketing <sup>1</sup>	

Please Note:

No more than nine of the required 18 hours may be taken on an approved study abroad program. A list of approved programs is available in the University Study Abroad Office. LEB 320F or LEB 323 cannot be taken abroad.

The student must satisfy the courses used to fulfill minor requirements on the letter-grade basis, except for credit by exam. The student must earn a combined grade point average of at least 2.00 in these courses.

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1. Available to non-business students only in the summer; restricted to business majors during fall and spring.

2. For a full list of pre-approved equivalents, please see the Business Minor website.

3. One course only of I B 320F Foundations of International Business, B A 320F Foundations of Entrepreneurship, or ECO 304K Introduction to Microeconomics, may substitute for one of LEB 320F, MAN 320F, or MKT 320F.

## Accounting Minor for Business Economics Option Program

The Accounting Minor for the Business Economics Option Program (BEOP ACC) allows economics majors to take a set of accounting courses and a finance course at the McCombs School of Business for completion of a Minor in Accounting. BEOP ACC students take upper-division accounting and finance courses to explore how accounting systems utilize economic concepts and how accounting systems solve economic problems; to strengthen the quantitative and analytical skills they acquire as economics majors; and to acquire knowledge and skills in business and accounting.

To participate in the BEOP ACC Minor, students must apply and be admitted to the Accounting Track of the BEOP through the Department of Economics. To be eligible for the Accounting Track of the BEOP, a student must:

- be a declared economics major;
- have a cumulative University GPA of at least 3.00;
- have an economics GPA of at least 3.00 (based on economics coursework taken at The University of Texas at Austin); and
- have earned a grade of at least C- in Economics 329.

Students must contact the Department of Economics to apply, and for all questions about the Business Economics Option Program.

To obtain the BEOP ACC Minor, a student must complete 15 semester hours of coursework as described below. At least half of the coursework must be completed in residence at the University. All coursework must be taken on the letter-grade basis. The student must fulfill the requirements for an economics major and apply to graduate with an economics major, in addition to fulfilling the BEOP ACC Minor requirements, in order to receive the BEOP ACC transcript-recognized minor.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

Requirements		Hours
ACC 311	Fundamentals of Financial Accounting	3
ACC 312	Fundamentals of Managerial Accounting	3
FIN 357	Business Finance	3
Six additional semester hours of upper-division coursework in accounting		6

Please Note:

All courses must be taken on the letter-grade basis.

## Finance Minor for Business Economics Option Program

The Finance Minor for the Business Economics Option Program (BEOP FIN) allows economics majors to take a set of accounting courses and finance courses at the McCombs School of Business for completion of a Minor in Finance. BEOP FIN students take lower-division accounting and upper-division finance courses to explore the application of economic concepts and models to finance and financial markets; to strengthen the quantitative and analytical skills they acquire as economics majors; and to acquire knowledge and skills in business and finance.

To participate in the BEOP FIN Minor, students must apply and be admitted to the Finance Track of the BEOP through the Department of Economics. To be eligible for the Finance Track of the BEOP, a student must:

- be a declared economics major;
- have a cumulative University GPA of at least 3.00;
- have an economics GPA of at least 3.00 (based on economics coursework taken at The University of Texas at Austin); and
- have earned a grade of at least C in Economics 329.

Students must contact the Department of Economics to apply, and for all questions about the Business Economics Option Program.

To obtain the BEOP FIN Minor, a student must complete 15 semester hours of coursework as described below. At least half of the coursework must be completed in residence at the University. All coursework must be taken on the letter-grade basis. The student must fulfill the requirements for an economics major and apply to graduate with an economics major, in addition to fulfilling the BEOP FIN Minor requirements, in order to receive the BEOP FIN transcript-recognized minor.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

Requirements		Hours
ACC 311	Fundamentals of Financial Accounting	3
ACC 312	Fundamentals of Managerial Accounting	3
FIN 357	Business Finance	3
FIN 367	Investment Management	3
Three additional semester hours of upper-division coursework in finance		3

Please Note:

All courses must be taken on the letter-grade basis.

## Specialized Minors for All Majors

### The Analytics and Business of Sports Minor

Few industries capture the attention and passion of young people as much as sports. Young people of all ages grow to idolize athletes and organizations, propelling attachments that last a lifetime. This interest has spawned multibillion dollar industries ranging from advertising, clothing, lifestyle brands, media, and entertainment. In turn, millions of young Americans aspire to build their professional careers around sports in various forms.

The Analytics and Business of Sports Minor aims to equip students with the perspectives, knowledge, and lessons about leadership, ethics and analytics that transcend beyond any one industry. The broader objectives of the program include equipping students with analytical talents that will propel their success in a competitive economy that is characterized around managing for exceptional performance.

The Analytics and Business of Sports Minor is designed for undergraduate students with ambitions to study sports and the leadership, analytics, and business lessons that can apply more broadly. With the advent of sabermetrics in baseball and the explosion analytics across the four major sports, the context for understanding such the underpinnings and consequences of talent acquisition, team dynamics, compensation, biophysical markers of health, etc. is unparalleled. Further, there are additional lessons in data visualization, data analytics, specialty statistics (e.g., spatial statistics), media, branding, and so on, that can link to and build on other courses currently taught within McCombs.

Admission to the minor is based on students' overall academic record, including but not limited to hours and rigor of courses taken in residence, demonstrated interest, and The University of Texas at Austin grade point average.

To fulfill the Analytics and Business of Sports Minor, students must complete 18 semester hours of coursework as described below. Students admitted to the Sports Minor must contact their home college to have the approved minor added to their degree audit profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the students' major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Analytics and Business of Sports Minor requirements are:

Requirements	Hours
<b>Business Fundamentals: One of the following courses:</b>	<b>3</b>
MAN 320F or MAN 336	Foundations of Management and Organizational Behavior
FIN 320F or FIN 357	Foundations of Finance Business Finance
MKT 320F or MKT 337	Foundations of Marketing Principles of Marketing
HDO 301	Introduction to the Human Dimensions of Organizations

MIS 302F or MIS 301	Foundations of Information Technology Management Introduction to Information Technology Management	
<b>Analytical Foundations: One of the following courses:</b>		<b>3</b>
ECO 329	Economic Statistics	
SDS 301	Elementary Statistical Methods	
SOC 317L	Introduction to Social Statistics	
PSY 317	Statistical Methods in Psychology	
STA 301	Introduction to Data Science <sup>1</sup>	
<b>Using Analytics to Manage People and Performance</b>		<b>3</b>
MAN 337	Special Topics in Management (Topic 7: People Analytics)	
<b>Analytics, Business and Sports</b>		<b>3</b>
MAN 337	Special Topics in Management (Topic 6: Performance and Sports Analytics)	
<b>Electives related to sports, managing people, and leading organizations, two of the following courses:</b>		<b>6</b>
ADV 305S or P R 305S	Introduction to Integrated Communication for Sports Introduction to Integrated Communication for Sports	
ADV 348S or J 348G	The Business of Sports Media The Business of Sports Media	
CMS 363C	Communication and Sports	
CMS 363P	Politics and Protest in Sports	
J 326F	Reporting Sports	
KIN 312	Issues in Kinesiology: Topical Studies (Topic 5: Sport Industry in America)	
KIN 312M	Management of Physical Activity and Sport Programs	
KIN 352K	Studies in Human Movement: Topical Studies (Topic 6: Race and Sport in African American Life)	
KIN 353	Sport Law	
KIN 354	Sport and Event Marketing	
KIN 356	Revenue and Budgeting in Sport	
KIN 357	Strategic Management of Sport Organizations	
MAN 325	Strategic Human Resources Management	
MAN 327	Innovation and Entrepreneurship	
MAN 328	Consulting and Change Management	
MAN 337	Special Topics in Management (Topic 21: The Art and Science of Negotiation)	
MAN 374	General Management and Strategy	
RTF 365 or SOC 352E	Topics in Media and Society (Topic 9: Media Industries and Entrepreneurship) Media Industries and Entrepreneurship	
RTF 359	Studies in Media and Culture (Topic 6: Gender, Race, and Sexuality in Sports Media)	

Please Note:



Other courses may be considered for substitution, as approved by the Business of Sports Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

## Business and Public Policy Minor

The Business and Public Policy (BPP) Minor provides University of Texas undergraduate students with the opportunity to have transcript-recognized study in the study of business and public policy. Because firms' actions are increasingly influenced by the interests and demands of numerous stakeholders, including owners, employees, suppliers, customers, NGOs, communities, and especially government regulators, it is increasingly important that businesses hire employees who can strategically respond to and influence these constituencies. Students who complete the BPP Minor requirements will be well-equipped to understand the political process and its influence on firms and to work for those firms or for consulting firms that are increasingly important in this area. This minor is also well-suited for undergraduates interested in careers in law, governmental and public service, and/or in nonprofit organizations.

Students who have completed 24 hours in residence with upper-division standing may formally apply to the minor. Admission to the program is based on a student's overall academic record. To gain admission the following semester, students must apply by March 10 for fall and by October 10 for spring.

To fulfill the Business and Public Policy Minor, students must complete 15 semester hours of coursework as described below. Students admitted to the BPP Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Due to course availability, two long semesters are typically required to complete the BPP Minor classes. Some required BGS courses are offered only once a year during either the fall or spring semester.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Business and Public Policy Minor requirements are:

Requirements	Hours
GOV 312L Issues and Policies in American Government	3
May include the Washington Campus section of this course.	
Any of the acceptable combinations approved to satisfy the Texas Legislative requirement for government may be used.	
One example combination is:	
GOV 310L American Government & GOV 306C and Politics and Government in Contemporary Texas	
Three or four of the following courses: <sup>1</sup>	9-12
BGS 371 Corporate Political Strategy	

BGS 372	Strategic Corporate Social Responsibility
BGS 373	Strategic Corporate Communication
BGS 374	Global Political Economy
BGS 375	Business and Policy in the Age of Inequality
Zero or one of the following courses: <sup>1</sup>	
ADV/P R 353	Advertising and Public Relations Law and Ethics
AMS 310	Introduction to American Studies
BGS 325	Social and Ethical Responsibility of Business
BGS 370	Topics in Business, Government, and Society (Topic 1: Energy Technology and Policy)
BGS 370	Topics in Business, Government, and Society (Topic 2: Ethics, CSR, and Service Learning)
CLD 371	Capstone Course in Communication and Leadership
CMS 306M	Professional Communication Skills
CMS 342K	Political Communication
CMS 345	Media Effects and Politics
ECO 321	Public Economics
ECO 333K	Development Economics
ECO 334K	Urban Economics
ECO 339K	International Trade and Investment
EUS 348	Topics in European Economics, Government, Business, and Policy (Topic 2: International Trade)
FIN 372	Advanced Topics in Finance (Topic 1: Environmental, Social, and Governance Investing)
GOV 325	Political Parties
GOV 358	Introduction to Public Policy
GOV 360F	Global Governance
GOV 366F	Issues in Third World Development
GOV 370R	Money in United States Politics
I B 320F	Foundations of International Business
I B 350	International Trade
LEB 320F	Foundations of Business Law and Ethics
LEB 323 or LEB 323H	Business Law and Ethics: Honors
LEB 334M	Healthcare Law and Policy
LEB 363	Real Estate Law
LEB 370	Topics in the Legal Environment of Business (Topic 13: Contracts and Real Property)
LEB 370	Topics in the Legal Environment of Business (Topic 14: Oil and Gas Law)
PHL 325L	Business, Ethics, and Public Policy
P R 305	Fundamentals of Public Relations
P R 352	Strategies in Public Relations
P R 367	Integrated Communications Management

**Please Note:**

Other courses may be considered for substitution, as approved by the BGS Department.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

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1. If a student has taken Government 312L and only nine hours from: BGS 371, 372, 373, 374, and 375, they choose one course from the list of electives to satisfy the fifteen hour requirement. If a student has taken GOV 312L and twelve hours from: BGS 371, 372, 373, 374, and 375, then they need not take any of the electives to satisfy the fifteen hour requirement

## Energy Management Minor

The Energy Management (EM) Minor is designed to develop decision makers, leaders, and policy builders who have the technical expertise and business acumen to participate in the interdisciplinary teams that will be required to address our energy future.

Admission to the minor is based on students' overall academic record. All students must have completed at least one semester at The University of Texas at Austin before applying to the minor program, and have a University grade point average of at least 2.0. Freshmen who wish to participate in the program their first semester must wait until the spring to apply. Applications are accepted on a rolling basis for admission to the program.

To fulfill the Energy Management Minor, students must complete 18 semester hours of coursework as described below. Students admitted to the Energy Management Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements. While students have freedom to choose course they take, they are encouraged to speak with the Minor Director to plan course bundles.

At least half of the required minor coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Energy Management Minor requirements are:

Requirements	Hours
<b>Eighteen semester hours selected from the following:</b>	<b>18</b>
BGS 370 Topics in Business, Government, and Society (Topic 10: Nontechnical Exploration and Production)	
BGS 370 Topics in Business, Government, and Society (Topic 1: Energy Technology and Policy)	
FIN 320F or FIN 357 Foundations of Finance Business Finance	
FIN 337 Special Topics in Finance (Topic 1: Valuing Natural Resources)	
or GEO 316P Sedimentary Rocks	
or GEO 416M Sedimentary Rocks	

FIN 337	Special Topics in Finance (Topic 2: Energy Finance)
GEO 303 or GEO 401 or GEO 420H	Introduction to Geology Physical Geology Honors Introductory Geology
LEB 370	Topics in the Legal Environment of Business (Topic 13: Contracts and Real Property)
LEB 370	Topics in the Legal Environment of Business (Topic 14: Oil and Gas Law)
or	
PGE 379	Studies in Petroleum and Geosystems Engineering (Topic 8: Oil, Gas, and Mineral Law)
LEB 370	Topics in the Legal Environment of Business (Topic 17: Electricity Systems)
LEB 370	Topics in the Legal Environment of Business (Topic 18: Energy Law and Policy)
LEB 370	Topics in the Legal Environment of Business (Topic 19: Behavioral Economics, Energy and Sustainability)
MAN 337	Special Topics in Management (Topic 8: Energy Strategy)

**Please note:**

Other courses may be considered for substitution, as approved by the Energy Management Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a grade of at least C- in these courses.

Finance majors who select the Energy Finance, Law and Science track cannot pursue the Energy Management Minor; however, they may select any other finance track to complete the Energy Management Minor.

Not all courses will be offered in all academic years.

## Entrepreneurship Minor

The Entrepreneurship Minor aims to provide students with the perspectives, knowledge, and skills necessary to engage in entrepreneurship, broadly defined to include the launch and development of new businesses as well as the growth and renewal of existing enterprises. The broader objectives of the program include equipping students with talents that will propel their success in a knowledge-based, innovation-driven economy, stimulating entrepreneurship and innovation across a broad range of industries and settings, and transforming students' lives by developing in them a passion for entrepreneurship.

The Entrepreneurship Minor is designed for undergraduate students interested in starting their own business ventures, creating and managing new ventures or products within existing businesses, or generating and implementing new ideas in any role that they hold during their careers. This minor is also well suited for undergraduate students interested in careers in consulting, new product development, technology commercialization, product management, event management, strategy, and business development.

Admission to the minor is based on students' overall academic record, including but not limited to hours and rigor of courses taken in residence, demonstrated interest, and University grade point average.

To fulfill the Entrepreneurship Minor, students must complete 15 semester hours of coursework as described below. Students admitted to the Entrepreneurship Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at the University. All coursework must be taken on the letter-grade basis, and completed in conjunction with the students' major requirements. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Entrepreneurship Minor requirements are:

Requirements	Hours
One of the following courses:	3
ACC 310F Foundations of Accounting or ACC 311 Fundamentals of Financial Accounting or ACC 311H Fundamentals of Financial Accounting: Honors	
Any three hours of lower- or upper-division economics (ECO)	
HDO 301 Introduction to the Human Dimensions of Organizations	
SOC 302 Introduction to the Study of Society	
MAN 327 Innovation and Entrepreneurship or MAN 327H Innovation and Entrepreneurship: Honors	3
MAN 327E New Venture Mechanics	3
One of the following courses:	3
ADV/P R 332 Technology Marketing and Advertising	
ADV/P R 332C New Media Entrepreneurialism	
CMS 353C Communication for Innovation	
FIN 374S Entrepreneurial Finance	
HIS 350R Undergraduate Seminar in United States History (Topic 12: History of Black Entrepreneurship in the United States) or AFR 351E History of Black Entrepreneurship in the United States	
J 331M Media Innovation and Entrepreneurship	
I B 372 Seminar in International Business (Topic 10: Exporting for Entrepreneurs)	
I B 367D Global Entrepreneurship	
MAN 337 Special Topics in Management (Topic 5: Technology Transfer and Entrepreneurship)	
MAN 337 Special Topics in Management (Topic 10: Women in Entrepreneurship)	
MKT 372 Marketing Seminar (Topic 5: Design Thinking for Business Innovation)	
MKT 372 Marketing Seminar (Topic 6: Marketing for Entrepreneurs)	

O M 337	Special Topics in Operations Management (Topic 7: New Product Development)
RHE 328	Topics in Professional and Technical Writing for Liberal Arts Majors (Topic 4: Writing for Entrepreneurs)
RTF 365	Topics in Media and Society (Topic 9: Media Industries and Entrepreneurship)
or SOC 352E	Media Industries and Entrepreneurship
SOC 322C	Sociology of Creativity
One of the following courses:	3
ADV 332D	Entrepreneurialism in Communication
or P R 332D	Entrepreneurialism in Communication
BGS 370S	Social and Cultural Entrepreneurship
BME 362E	Medical Device Innovation
MAN 337	Special Topics in Management (Topic 2: Interdisciplinary Entrepreneurship)
or C S 374L	Longhorn Startup
or E S 377E	Interdisciplinary Entrepreneurship: Elective
J 363D	Digital Innovations Capstone
MAN 347P	Entrepreneurship Practicum
MAN 366P	Management Practicum: Social Entrepreneurship I
MAN 367P	Social Entrepreneurship II
MAN 369P	Social Innovation Practicum
M E 365E	Engineering Entrepreneurship

Please Note:

Other courses may be considered for substitution, as approved by the Entrepreneurship Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Management majors cannot pursue the Entrepreneurship Minor, but instead may select the Entrepreneurship Track within the major.

## Global Management Minor

The Global Management Minor is an officially recognized minor in the study of international management. In today's workplace, managers lead global teams, interface with international suppliers and customers, and collaborate with international partners. It is vital for firms and organizations to have access to employees who understand global political and economic dynamics, who are able to recognize and adapt to the cultural orientations of multiple constituencies, and who can operate effectively in countries around the world.

Admission to the Global Management Minor, which resides in the Business, Government & Society Department, is open to undergraduates across The University of Texas at Austin campus, and is based on students' overall academic record. Admission is by application only.

To fulfill the Global Management Minor, students must complete 15 semester hours of coursework which must include three semester credit hours of international experience, as described below. Students admitted to the Global Management Minor must contact their home college to have the approved minor added to their degree profile, otherwise

they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on a letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements be satisfied with the following exceptions: Prerequisites for Management 336 are waived for non-business majors and prerequisites for International Relations and Global Studies 320F are waived for non-IRG majors.

The Global Management Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
IRG 320F Foundations of International Relations and Global Studies	3
MAN 336 or MAN 320F Organizational Behavior Foundations of Management and Organizational Behavior	3
I B 137C Introduction to Management in a Global Environment	1
I B 237D Global Management Capstone	2
<b>Elective Courses</b>	
Three hours of upper division coursework selected from any of the following:	3
I B 350 International Trade or I B 320F Foundations of International Business or I B 350S International Commerce Analysis	
or	
EUS 348 Topics in European Economics, Government, Business, and Policy (Topic 2: International Trade)	

**International Experience 3**

Study abroad or international internship; three semester credit hours of "international experience" credit must be earned on a study abroad program of at least five weeks in length and/or an international internship of at least six weeks and 160 hours work. Study abroad and internships must be pre-approved by the Global Management Minor.

Please note:

Other courses may be considered for substitution, as approved by the Global Management Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Students who have declared an International Business major are ineligible to pursue the Global Management Minor.

Students can pursue either the Global Management Minor or the International Business Minor, but not both.

Up to three semester credit hours of the courses above completed abroad can satisfy minor requirements for both coursework and the international experience. Study abroad and internship programs must be pre-approved by the Global Management Minor Committee.

## Health Care Reform and Innovation Minor

Healthcare in the U.S. accounts for nearly 20% of the nation's gross domestic product (more than manufacturing). It is also one of the fastest growing sources of employment; over 12 million Americans work in the industry. The Health Care Reform and Innovation Minor provides students interested in a clinical, academic, or business career in this industry an overview and opportunity to understand the complexities of the US healthcare system, the goals and barriers for reform, and the opportunities for innovation.

The Health Care Reform and Innovation Minor is designed for two groups of students: business majors and non-business majors. Business majors from the McCombs school will be students who plan to pursue an entry-level job in supply chain, marketing, management information systems, or other business function in healthcare industry companies in the areas of pharmaceuticals, medical devices, and healthcare informatics. Non-business majors from other schools will be students in a healthcare-related major, including pre-med, pharmacy, nursing, public health and others, who want to understand the business aspects of the industry that they will enter upon graduation.

Admission to the program is based on students' overall academic record, including but not limited to hours and rigor of courses taken in residence, demonstrated interest, and University grade point average. To gain admission the following semester, students must apply by March 1 for fall and by October 1 for spring.

To fulfill the Health Care Reform and Innovation Minor, students must complete 18 semester hours of coursework as described below. Students admitted to the Healthcare Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Health Care Reform and Innovation Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
ACC 310F Foundations of Accounting (for non-business students) or ACC 311 Fundamentals of Financial Accounting or ACC 311H Fundamentals of Financial Accounting: Honors	3
ACC 334M Healthcare Accounting	3
LEB 334M Healthcare Law and Policy	3
MAN 334M Healthcare System Management	3
O M 334M Healthcare Operations Management <sup>1,2</sup>	3
<b>Elective Courses</b>	
One of the following courses:	3
CMS 337 Building Sales Relationships	
HED 373 Evaluation and Research Design	
H S 301 Introduction to Health and Society	

MAN 366P	Management Practicum: Social Entrepreneurship I
MAN 367P	Social Entrepreneurship II
MIS 373	Topics in Management Information Systems (Topic 26: Health Care Analytics)
or	
O M 337	Special Topics in Operations Management (Topic 8: Health Care Analytics)
N 309	Global Health
PBH 317	Introduction to Public Health
R M 369K	Managing Employee Risks and Benefits
SOC 308S	Introduction to Health and Society

Please Note:

Other courses may be considered for substitution, as approved by the Health Care Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

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1. This class satisfies the O M 235 degree requirement for business students. Please note that students interested in pursuing the Business of Healthcare Minor must take OM 334M; OM 235 will not be accepted towards the minor.

2. Business Honors Program students must take O M 235H and O M 179 Independent Research completed under the supervision of the minor faculty director, which will satisfy the O M 334M requirement for this minor.

## International Business Minor

The International Business Minor will provide The University of Texas at Austin undergraduate students with a broad knowledge of the workings of the global economy and the opportunity to learn specific functional skills in areas such as finance, accounting, and value chain management that are particularly useful to companies and organizations operating in the international environment.

Admission to the International Business Minor, which resides in the Business, Government & Society Department, is open to undergraduates across The University of Texas campus, and is based on students' overall academic records. Admission is by application only.

To fulfill the International Business Minor, students must complete either 12 semester hours of coursework and three semester credit hours of international experience, or 15 hours of coursework, as explained below. Students admitted to the International Business Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at the University. All coursework must be taken on a letter-grade basis and completed in conjunction with the student's major requirements. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any courses required for the International Business Minor will require that existing prerequisite course requirements are adequately met.

The International Business Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
EUS 348	Topics in European Economics, Government, Business, and Policy (Topic 2: International Trade)
or I B 350	International Trade
or I B 320F	Foundations of International Business
or I B 350S	International Commerce Analysis
<b>Elective Courses</b>	
Any four or three of the following courses:	
BGS 374	Global Political Economy
I B 362	Global Regulatory Strategy
I B 365	Finance and Global Business
I B 366	International Accounting and Transfer Pricing
or ACC 366C	International Accounting and Transfer Pricing
I B 368	Global Value Chains
I B 376	International Finance
or FIN 376	International Finance
I B 372	Seminar in International Business (any topic)
I B 340S	Topics in International Business (any topic)

**International Experience, Optional** **0 or 3**

Three semester credit hours International Experience, study abroad or internship, which can replace three semester credit hours of the Electives. <sup>1</sup>

Please note:

Other courses may be considered for substitution, as approved by the International Business Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Students who have declared an international business major are ineligible to pursue the International Business Minor.

Students can pursue either the International Business Minor or the Global Management Minor, but not both.

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1. Up to three semester credit hours of the elective courses can be satisfied by successful completion of "international experience" credit earned on a study abroad program of at least five weeks in length and/or an international internship of at least six weeks and 160 hours work. Study abroad and internship programs must be pre-approved by the International Business Minor Committee.

## Leadership in Global Sustainability Minor

The Leadership in Global Sustainability Minor is open to students of all majors and is offered as a collaboration between the McCombs School of Business and the Moody College of Communication. The objective of this minor is to provide students the opportunity to develop a set of theoretical and implementable skills to understand how sustainability can be embedded in business, financial and social systems. The minor will also prepare students to analyze, communicate and persuade on the diverse topics of sustainability and their implementation. Given the broad range of sustainability in terms of the concept of meeting "the needs of the present without compromising the ability of future generations to meet their own needs" and its availability in many disciplines throughout the University, the minor is designed to be multidisciplinary with important experiential learning opportunities in order to enhance

students' study of their majors, while informing them on the importance of sustainability and its communication in business and related fields.

Admission to the minor is based on a student's overall academic record, including but not limited to, number of hours completed, rigor of courses taken in residence, demonstrated interest in sustainability, and the overall University of Texas grade point average.

Students seeking admission to the minor may apply during the Spring semester. Eligible students will be considered for admission based on criteria that may include:

- the student's overall academic record, including UT-Austin GPA of at least 2.5,
- the student's extracurricular activities,
- the student's demonstrated interest in the program

For the first year, priority will be given to McCombs and Moody students.

To fulfill the Leadership in Global Sustainability Minor, students must complete 17 semester hours of coursework as described below. Part of this coursework includes an experiential learning activity through the Global Sustainability Practicum course. Students admitted to the Leadership in Global Sustainability Minor must contact an academic advisor in their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the required minor coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis (unless the course is only offered on a pass/fail basis) and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Leadership in Global Sustainability Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
ADV 324	Communicating Sustainability
or P R 324	Communicating Sustainability
BGS 370	Topics in Business, Government, and Society (Topic 5: Global Business Sustainability)
or	
FIN 337	Special Topics in Finance (Topic 3: Global Business Sustainability)
FIN 134M	Current Issues in Global Sustainability
FIN 164P	Global Sustainability Practicum
<b>Elective Courses; one course must be taken from each of the three topics:</b>	
<b>One course regarding the Science of Sustainability</b>	
EVE 302	Foundations of Environmental Engineering
EVE 310	Sustainable Systems Engineering
GEO 302C	Climate: Past, Present, and Future
GEO 302E	Earth, Wind, and Fire
GEO 302G	Earth Science and Sustainability
GEO 302J	Crisis of Our Planet

GEO 302P	Sustaining a Planet
GEO 303E	Earth in 2100
GEO 305E	Energy and the Environment
MNS 307	Introduction to Oceanography
MNS 308	Humans and a Changing Ocean
MNS 320	Marine Ecology
ANT 324G	Environmental Anthropology
ANT 324L	Topics in Anthropology (Topic 57: Archaeology of Climate Change)
ANT 325C	Cultures of Sustainability
<b>One course regarding Sustainability in Business</b>	
BGS 325	Social and Ethical Responsibility of Business
BGS 372	Strategic Corporate Social Responsibility
FIN 372	Advanced Topics in Finance (Topic 1: Environmental, Social, and Governance Investing)
LEB 323	Business Law and Ethics
or LEB 323H	Business Law and Ethics: Honors
or LEB 320F	Foundations of Business Law and Ethics
LEB 370	Topics in the Legal Environment of Business (Topic 4: Social and Ethical Responsibilities of Business)
MAN 366P	Management Practicum: Social Entrepreneurship I
MAN 367P	Social Entrepreneurship II
MAN 369P	Social Innovation Practicum
ECO 359M	Environmental and Natural Resource Economics

<b>One course regarding Sustainability in Communication</b>	
ADV 323	Public Communication of Science and Technology
or P R 323	Public Communication of Science and Technology
ADV 336	Multicultural Issues in Advertising and Public Relations
CLD 340	Communication for Civic Engagement
COM 308	Creative Communication of Scientific Research
CMS 340K	Communication and Social Change
CMS 340M	Social Media and Social Movement: Then and Now
J 346F	Reporting on the Environment

**Please note:**

Other courses may be considered for substitution, as approved by the Leadership in Global Sustainability Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

**National Security and International Business Minor**

The National Security and International Business Minor will provide University of Texas at Austin undergraduate students with a broad knowledge of the interdependent relationship between national security

on the one hand and private business, especially international business, on the other. Students will graduate with an appreciation that the health of each domain is predicated on the strength of the other. This minor is part of the International Business program in the Business, Government & Society Department of the McCombs School of Business in coordination with UT's Clements Center for National Security.

Admission to the National Security and International Business Minor, which is open to undergraduates across The University of Texas at Austin campus, is based on students' overall academic records. Admission is by application only.

Students admitted to the National Security and International Business Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

To fulfill the National Security and International Business Minor, students must complete either 12 semester hours of coursework and three hours of a national security internship, or 15 hours of coursework, as explained below.

At least half of the coursework must be completed in residence at the University. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major. Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The National Security and International Business Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
GOV 360D International Security	3
BGS 374 Global Political Economy	3
I B 350 International Trade	3
I B 368 Global Value Chains	3
<b>National Security Elective Courses</b>	
<b>Three hours of upper division coursework selected from any of the following:</b>	<b>3</b>
HIS 365G Topics in United States History (Topic 15: United States Military History)	
HIS 376F The United States and the Second World War	

#### Internship Credit

Students may substitute an approved internship in lieu of I B 350, I B 368, or the National Security Elective course. This credit must be earned on a pre-approved national security internship of at least five weeks in length.

#### Please note:

Other courses may be considered for substitution, as approved by the National Security and International Business Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Internship programs must be pre-approved by the National Security and International Business Minor Committee.

## Professional Sales and Business Development Minor

The Professional Sales and Business Development Minor is open to students of all majors and is offered as a collaboration between McCombs School of Business and the Moody College of Communication. This minor provides theory, frameworks, and tools to help students a) develop skills in analysis, communication, presentation, and persuasion to allow them to effectively sell ideas, products, and services in any professional environment; b) develop resources and academic credentials to pursue sales-related careers; c) understand the role of professional selling in marketing, business, and related organizations.

Admission to the minor will be competitive. Review will be based on factors such as a student's overall academic record, including but not limited to hours and rigor of courses taken in residence, demonstrated interest, and The University of Texas grade point average with priority to McCombs and Moody students. To apply for the minor students must have a cumulative University GPA of at least 3.00.

To fulfill the Professional Sales and Business Development Minor, students must complete 16 semester hours of coursework as described below. Students admitted to the Professional Sales and Business Development Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the required minor coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis (unless the course is only offered on a pass/fail basis) and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Professional Sales and Business Development Minor requirements are:

Requirements	Hours
<b>Foundations Courses</b>	<b>6</b>
MKT 320F Foundations of Marketing or MKT 337 Principles of Marketing or MKT 337H Principles of Marketing: Honors	
CMS 306M Professional Communication Skills or B A 324 Business Communication: Oral and Written or B A 324H Business Communication: Oral and Written: Honors	
or COM 324M Introduction to Business Communication or COM 324H Introduction to Business Communication: Honors	
<b>Foundational Sales Courses (must take one, but both may be taken)</b>	<b>3-6</b>
CMS 337 Building Sales Relationships MKT 363 Professional Selling and Sales Management	
<b>Advanced Sales Topics Courses (must take one, but may take two)</b>	<b>3-6</b>
CMS 332K Theories of Persuasion CMS 335 Strategic Sales and Event Planning	

MKT 354	Topics in Professional Sales and Business Development (Topic 2: Sales Strategy and Steering)
MKT 354	Topics in Professional Sales and Business Development (Topic 3: Analytical Tools for Sales)
<b>Sales-Related Elective Courses (can be taken to meet 16 hour requirement as needed):</b>	
ADV 369	Social Media
CMS 137C	Selling in Healthcare Industries
CMS 344K	Lying and Deception
CMS 370K	Internship in Communication Studies
MAN 337	Special Topics in Management (Topic 21: The Art and Science of Negotiation)
MKT 372	Marketing Seminar (Topic 2: Consumer Behavior)
MKT 372	Marketing Seminar (Topic 13: Integrated Marketing Communications)
MKT 372	Marketing Seminar (Topic 16: Business to Business Marketing)
MKT 372	Marketing Seminar (Topic 17: Consumer Behavior in a Digital World)
MKT 372	Marketing Seminar (Topic 26: Strategy Consulting for Marketers)
MKT 366P	Marketing Practicum
MKT 178	Marketing Micro-topics (Topic 1: Data Storytelling/Visualization)
MKT 178	Marketing Micro-topics (Topic 2: Negotiating Sales Solutions)
MKT 178	Marketing Micro-topics (Topic 3: International Selling)
MKT 178	Marketing Micro-topics (Topic 4: Sales Technology and Artificial Intelligence)
MKT 178	Marketing Micro-topics (Topic 5: Selling in High Technology Industries)
MKT 178	Marketing Micro-topics (Topic 6: Predictive Modeling in Sales)
MKT 178	Marketing Micro-topics (Topic 7: Professional Purchasing and Procurement)

**Please Note:**

Other courses may be considered for substitution, as approved by the Professional Sales and Business Development Minor Committee.

All classes must be taken on the letter-grade basis unless they are only offered on a pass/fail basis. The student must earn a combined grade point average of at least 2.00 in these courses.

For students majoring in marketing, nine hours for the Professional Sales and Business Development minor must be taken in addition to and different from the marketing electives taken for the major. Marketing majors are encouraged to take the CMS and ADV course options for the Foundational Sales courses and Sales-Related elective courses.

## Real Estate Minor

The Real Estate Minor offers degree-seeking undergraduate students from any major the opportunity to explore the commercial real estate industry, learn the basics of real estate financial analysis, and supplement their primary degree with an officially recognized minor in real estate.

After earning credit for Accounting 310F or 311, a student with upper-division standing may apply for admission to the minor. Admission is based on a student's overall academic record, including, but not limited to, hours and number of courses taken in residence, demonstrated interest in real estate, and the overall University grade point average.

To fulfill the Real Estate Minor, students must complete 18 semester hours of coursework as described below. Students admitted to the Real Estate Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

The courses necessary to complete the Real Estate Minor may have additional prerequisites, and admission to the program and instructor approval are required as conditions of enrollment in some courses. Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Real Estate Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
ACC 310F or ACC 311 or ACC 311H	Foundations of Accounting Fundamentals of Financial Accounting Fundamentals of Financial Accounting: Honors
FIN 357 or FIN 357H	Business Finance Business Finance: Honors
R E 358	Introduction to Real Estate and Urban Land Development
R E 376G	Real Estate Investment
<b>Elective Courses</b>	
Two elective courses from the following list: <sup>1</sup>	6
ACC 378	Contemporary Accounting Topics (Topic 5: Taxation of Real Estate Investments)
or	
R E 360	Special Topics in Real Estate (Topic 1: Taxation of Real Estate Investments)
FIN 366P	Finance Practicum (Real Estate Private Equity Fund) <sup>1</sup>



FIN 377	Advanced Investment Analysis (Topic 3: Security Analysis) (REIT Fund) <sup>1</sup>
LEB 363	Real Estate Law
LEB 370	Topics in the Legal Environment of Business (Topic 13: Contracts and Real Property)
R E 364	Real Estate Development
R E 378K	Real Estate Finance and Syndication

Please Note:

Other courses may be considered for substitution, as approved by the Real Estate Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

Finance majors who select the Real Estate track cannot pursue the Real Estate Minor; however, they may select any other finance track to complete the Real Estate Minor.

<sup>1</sup> Note that FIN 366P and FIN 377.3 are part of the RE Investment Fund Program; participating students must enroll in both courses over two sequential semesters.

## Risk Management Minor

The business world is increasingly faced with risks from cyber-risk to health care fraud to terrorism, identity theft and financial risks from longevity of life. These risks all have financial consequences.

The management of risk is increasingly important in the USA and worldwide. For-profit and not-for-profit enterprises (from charities to government) find themselves confronting risks and the resulting financial consequences daily. Business managers from all areas of expertise need to be prepared to prevent and address risks in order to survive—the ultimate goal of most enterprises.

The Risk Management Minor provides a student with a tool kit for contemplating, identifying, prioritizing, and formulating approaches to manage varying types of risks inevitably faced. The Risk Management Minor allows for six hours of free electives (inside or outside of McCombs) as there are many types of risk a particular student might be faced with (e.g., *financial crisis risk*, *natural disasters* (from hurricanes, tsunami to volcanoes and fires), *cyber risk* (from identify theft, fraud, mobile commerce risks to phishing and hacking, etc.), *risk of political and other crises disrupting supply chains, terrorism and the reality that all enterprises operate in an increasingly vulnerable and connected infrastructure*). For example, over 90% of the Fortune 500 companies have created an insurance company subsidiary designed to help them manage their risks internally (a captive insurer). This allows for some degree of managerial control and risk transfer to protect the firm. Companies need increasingly active risk management expertise to survive.

### Who Should Consider The Risk Management Minor?

The Risk Management Minor is designed for both business and non-business majors who expect to someday work in a management position, including entrepreneurs. Examples include all Business majors who plan to pursue an entry-level job in supply chain, finance, manufacturing, insurance, management information systems, marketing or other business functions. Non-business majors can be students in liberal arts, economics, actuarial science, petroleum engineering, retailing, communications, health care, or students from

any other discipline who want to understand the impact of risk and the management of risk for their future employer.

### Risk Management Minor Application and Coursework Requirements

The Risk Management Minor is both structured and flexible to allow the student to pursue interests in discipline-specific risks as well as general risks that any enterprise might face.

Admission to the program requires upper-division standing and a University grade point average of at least 2.5, and is based on students' overall academic record. Students must apply to the Risk Management Minor at least one full semester prior to anticipated graduation; by April 1 for fall, by November 1 for spring or summer. This timing facilitates the student's ability to have a semester prior to graduation to complete necessary coursework.

In order to receive the Risk Management Minor students must comply with University Rules and Regulations and program requirements regarding satisfactorily completed coursework and degree completion.

To fulfill the Risk Management Minor, students must complete 18 semester hours of coursework as described below; 12 hours are business coursework: six hours of risk management, three hours of accounting and three hours of finance. An additional six elective hours relevant to risk management are selected by the student, with a maximum of three hours allowed from the McCombs School of Business. Students admitted to the Risk Management Minor must contact their home college to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the coursework (nine hours) must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the student's major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met. Registration in courses does not require admission to the Risk Management Minor.

The Risk Management Minor requirements are:

Requirements	Hours
<b>Risk Management Requirement 1</b>	<b>3</b>
R M 357E Introduction to Risk Management or URB 321R Introduction to Risk Management	
<b>Risk Management Requirement 2</b>	<b>3</b>
R M 377 Property-Liability Risk Management and Planning <sup>1</sup> or R M 369K Managing Employee Risks and Benefits	
<b>Accounting Requirement</b>	<b>3</b>
One of the following:	
ACC 310F Foundations of Accounting (for non-business students)	
ACC 311 Fundamentals of Financial Accounting (for business students)	
ACC 311H Fundamentals of Financial Accounting: Honors (for BHP majors)	
<b>Finance Requirement</b>	<b>3</b>
One of the following:	

FIN 320F	Foundations of Finance (for non-business students)
FIN 357	Business Finance (for business students)
FIN 357H	Business Finance: Honors (for BHP majors)

#### Elective Courses

Two of the following courses: (Please note that no more than one can be a course offered by the McCombs School of Business)<sup>2</sup> 6

R M 377	Property-Liability Risk Management and Planning <sup>3</sup>
or R M 369K	Managing Employee Risks and Benefits
ACF 329	Theory of Interest
or M 329F	Theory of Interest
Any three hours lower- or upper-division Actuarial Foundations (ACF)	
CMS 354	Conflict Resolution <sup>4</sup>
CMS 371K	Practicum in Conflict Mediation <sup>4</sup>
Any three hours lower- or upper-division Economics (ECO)	
FIN 377	Advanced Investment Analysis (Topic 2: Financial Risk Management)
Any three hours upper-division Legal Environment of Business (LEB)	
M 339D	Introduction to Financial Mathematics for Actuaries
M 339J	Probability Models with Actuarial Applications
M 339U	Actuarial Contingent Payments I
M 339V	Actuarial Contingent Payments II
M 349P	Actuarial Statistical Estimates
MKT 372	Marketing Seminar (Topic 27: Reputational Risk and Crisis Management)

Please Note:

Other courses may be considered for substitution, as approved by the Risk Management Minor. Courses dealing with conflict resolution, health management, health infrastructure, public policy, governmental regulation, risk management, or security are likely candidates.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

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1. Risk Management 377 and Risk Management 369K are offered in alternating Fall semesters
2. Risk Management Minor students must be able to enroll in an elective through their majors and have the required prerequisites - the Risk Management Minor Program cannot grant or request exceptions to restricted courses, or to prerequisites for elective courses.
3. Whichever was not used to fulfill the minor requirement above
4. Can be taken second summer only as open enrollment is only available then – web-based course
5. If student can access via open enrollment as majors have preference

Please contact the Risk Management program or Dr. Patrick L. Brockett, Director of the Risk Management Minor Program, for additional questions and further information.

## Wealth Management Minor

The Wealth Management Minor will equip students with the perspectives, conceptual knowledge, and analytical skills necessary to participate successfully in myriad aspects of the wealth management industry, including offering financial planning services to individual and institutional investors. The minor is open to undergraduate students in the Business School and Economics majors who are pursuing the Business Economics Options Program (BEOP). The minor is also designed to help students prepare for participation in the Certified Financial Planner (CFP) certification program.

Admission to the minor is restricted to students who have declared a business major and economics majors who are pursuing the Business Economics Options Program (BEOP). Admission is based on students' overall academic record, including but not limited to hours and rigor of courses taken in residence, demonstrated interest, and University grade point average.

To fulfill the Wealth Management Minor, students must complete 18 semester hours of coursework as described below. Students admitted to the Wealth Management Minor must contact their academic advisor to have the approved minor added to their degree profile, otherwise they cannot receive transcript recognition upon completion of the requirements.

At least half of the required minor coursework must be completed in residence at The University of Texas at Austin. All coursework must be taken on the letter-grade basis and completed in conjunction with the students' major requirements at the time of graduation. The University requires at least nine hours of the minor to be coursework **not** used to satisfy requirements of the student's major.

Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

The Wealth Management Minor requirements are:

Requirements	Hours
<b>Required Courses</b>	
ACC 364	Fundamentals of Taxation 3
ACC 378	Contemporary Accounting Topics (Topic 3: Financial Planning for Wealth Management) 3
or	
FIN 372	Advanced Topics in Finance (Topic 3: Financial Planning for Wealth Management)
FIN 367	Investment Management 3
<b>Elective Courses</b>	
Nine semester hours selected from the following: <sup>1</sup> 9	
CMS 332K	Theories of Persuasion
FIN 371M	Money and Capital Markets
FIN 377	Advanced Investment Analysis (Topic 1: Portfolio Analysis and Management)
LEB 370	Topics in the Legal Environment of Business (Topic 15: Law of Wills, Trusts, and Estates)
MKT 372	Marketing Seminar (Topic 11: Brand Management)

or		
MKT 372		Marketing Seminar (Topic 17: Consumer Behavior in a Digital World)
or		
MKT 372		Marketing Seminar (Topic 21: Strategic Product Management)
R M 377		Property-Liability Risk Management and Planning

Please Note:

Other courses may be considered for substitution, as approved by the Wealth Management Minor Committee.

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

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1. The nine elective hours must be different from courses taken for the students' major; these nine hours cannot simultaneously satisfy any degree requirements except free electives only. Students should carefully choose electives from a field of study different than their major, and should consult their academic advisor.

## Certificates

The McCombs School of Business does not offer any certificate programs. To see a full list of certificates offered at the University, please see [The University](#) (p. ) section of the *Undergraduate Catalog*.

## Courses, Red McCombs School of Business

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the school level: [Business Administration \(B.A.\)](#).

For courses offered by each department within the McCombs School of Business, please see the corresponding department page in the following sections.

## Courses, Department of Accounting

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Accounting: [Accounting \(ACC\)](#).

## Courses, Department of Finance

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Finance: [Finance \(FIN\)](#) and [Real Estate \(R.E.\)](#).

## Courses, Department of Business, Government and Society

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Business, Government, and Society: [Business, Government, and Society \(BGS\)](#), [International Business \(I.B.\)](#), and [Legal Environment of Business \(LEB\)](#).

## Courses, Department of Information, Risk, and Operations Management

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Information, Risk, and Operations Management: [Business Analytics \(BAX\)](#), [Decision Science \(D.S.\)](#), [Management Information Systems \(MIS\)](#), [Operations Management \(O.M.\)](#), [Risk Management \(R.M.\)](#), [Statistics \(STA\)](#).

## Courses, Department of Management

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Management: [Management \(MAN\)](#).

## Courses, Department of Marketing

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Marketing: [Marketing \(MKT\)](#).

## Red McCombs School of Business Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Soren Aandahl, Lecturer  
Department of Accounting  
JD, Harvard University, 2007

Christopher Aarons, Assistant Professor of Instruction  
Department of Marketing  
MBA, Pepperdine University, 1999

Stacy A Abrams, Lecturer  
Department of Marketing  
BA, Lewis and Clark College, 2009

Ashish Agarwal, Associate Professor  
Department of Information, Risk, and Operations Management  
PhD, Carnegie Mellon University, 2009

Shiva Agarwal, Assistant Professor  
Department of Management  
PhD, University of Pennsylvania, 2017

Bukky Akinsanmi, Assistant Professor  
Department of Management  
M.Arch, University of Oklahoma Norman Campus, 2006

Joshua D Alexander, Assistant Professor of Instruction  
Department of Finance  
MBA, University of Pennsylvania, 2009

Andres Almazan, Professor  
Department of Finance and Department of Economics  
PhD, Massachusetts Institute of Technology, 1996

Aydogan Altı, Associate Professor  
Department of Finance

PhD, Carnegie Mellon University, 2002

Gregory A Alves, Lecturer  
Department of Finance  
MBA, University of San Francisco, 1994

Richard A Amato, Lecturer  
Department of Business, Government and Society  
MBA, University of Texas at Austin, 1998

Edward G Anderson Jr, Professor  
Mr. and Mrs. William F. Wright, Jr. Centennial Professorship for  
Management of Innovative Technology  
Department of Information, Risk, and Operations Management and  
Department of Management  
PhD, Massachusetts Institute of Technology, 1997

Mary Ann Anderson, Lecturer  
Department of Information, Risk, and Operations Management  
MS, Massachusetts Institute of Technology, 1997

Stephen J Anderson, Assistant Professor  
Department of Marketing  
PhD, London Business School, Regent's Park, 2015

Jeffrey S Andrien, Lecturer  
Department of Finance  
MBA, University of Texas at Austin, 2005

Mihran A Aroian, Assistant Professor of Instruction  
Department of Management  
MBA, University of Texas at Austin, 1988

Rowland Atiase, Professor  
Department of Accounting  
PhD, University of California-Berkeley, 1980

Patrick G Badolato, Associate Professor of Instruction  
Department of Accounting  
PhD, Duke University, 2010

Uttarayan Bagchi, Professor  
Department of Information, Risk, and Operations Management  
PhD, Pennsylvania State University Main Campus, 1985

Anantaram Balakrishnan, Professor  
Kenneth M. and Susan T. Jastrow II Chair in Business  
Department of Information, Risk, and Operations Management  
PhD, Massachusetts Institute of Technology, 1985

Indranil R Bardhan, Professor  
Foster Parker Centennial Professorship of Finance and Management  
Department of Information, Risk, and Operations Management and  
Department of Medical Education  
PhD, University of Texas at Austin, 2005

Lori E Barnes, Lecturer  
Department of Management  
PhD, West Virginia University, 2013

Caroline A Bartel, Professor  
Department of Management  
PhD, University of Michigan-Ann Arbor, 1998

Anitesh Barua, Professor  
Department of Information, Risk, and Operations Management  
PhD, Carnegie Mellon University, 1990

Scott W Bauguess, Clinical Associate Professor

Department of Finance  
PhD, Arizona State University Main, 2004

Fred C Beach, Lecturer  
Lyndon B Johnson School of Public Affairs, Department of Chemical  
Engineering, Department of Finance, and Department of Business,  
Government and Society  
PhD, University of Texas at Austin, 2010

Andrew Belnap, Assistant Professor  
Department of Accounting  
MAcc, Brigham Young University, 2012

Magdalena Bennett, Assistant Professor  
Department of Information, Risk, and Operations Management  
PhD, Columbia University in the City of New York, 2020

Ben Bentzin, Assistant Professor of Instruction  
Department of Marketing  
MBA, University of Pennsylvania, 1992

Bartholomew Bohn, Lecturer  
Department of Finance  
MBA, University of Texas at Austin, 2007

Henrique Bolfarine, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, Universidade de Sao Paulo, 2021

Steven M Bowers, Assistant Professor of Instruction  
Department of Finance  
JD, University of Texas at Austin, 1982

Mark L Bradshaw, Assistant Professor of Instruction  
Department of Accounting  
JD, University of Texas at Austin, 1988

Luiz E Brandao, Visiting Associate Professor  
Department of Information, Risk, and Operations Management  
PhD, Pontificia Universidade Catolica do Rio de Janeiro, 2002

Dean A Bredeson, Professor of Instruction  
Department of Business, Government and Society  
JD, University of Texas at Austin, 1995

Steven M Brister, Associate Professor of Instruction  
Department of Marketing  
MBA, University of Texas at Austin, 1989

Patrick L Brockett, Professor  
Gus Wortham Memorial Chair in Risk Management and Insurance  
Department of Information, Risk, and Operations Management,  
Department of Finance, and Department of Mathematics  
PhD, University of California-Irvine, 1975

Andrew Brodsky, Assistant Professor  
Department of Management  
PhD, Harvard University, 2017

Susan M Broniarczyk, Professor  
Susie and John L. Adams Endowed Chair in Business  
Department of Marketing and Red McCombs School of Business  
PhD, University of Florida, 1992

Brene Alley Brown, Visiting Professor  
Department of Management  
PhD, University of Houston, 2002

Joshua M Brown, Lecturer

Department of Finance  
JD, St Mary's University, 1973

Keith C Brown, Professor  
Department of Finance  
PhD, Purdue University Main Campus, 1981

Patti J Brown, Assistant Professor of Instruction  
Department of Accounting  
MPA, University of Texas at Austin, 1989

Taylor S Brown, Lecturer  
Department of Accounting  
MPA, University of Texas at Austin, 2018

Christopher J Bryan, Assistant Professor  
Department of Business, Government and Society  
PhD, Stanford University, 2009

Christopher J Burke, Assistant Professor of Instruction  
Department of Information, Risk, and Operations Management  
PhD, Indiana University at Bloomington, 1995

Ethan R Burris, Professor  
King Ranch Chair for Business Leadership, Janet Riha Neissa and Jimmy Neissa Endowed Professorship in Business  
Department of Management, Department of Medical Education, and Red McCombs School of Business  
PhD, Cornell University, 2005

John C Butler, Clinical Associate Professor  
Department of Finance  
PhD, University of Texas at Austin, 1998

Johnny S Butler, Professor  
J. Marion West Chair for Constructive Capitalism  
Department of Management, Department of Sociology, and John L Warfield Center for African and African American Studies  
PhD, Northwestern University, 1974

Catherine Campbell, Lecturer  
Department of Marketing  
MS, Indiana University at Bloomington, 2011

Daniel O Campbell, Lecturer  
Department of Finance  
MBA, University of Texas at Austin, 2006

Taylor Jay Canann, Clinical Assistant Professor  
Department of Finance  
PhD, University of Minnesota-Twin Cities, 2019

Junyu Cao, Assistant Professor  
Department of Information, Risk, and Operations Management  
PhD, University of California-Berkeley, 2020

William Carpenter, Lecturer  
Department of Finance  
MBA, Texas A & M University, 2008

Carlos Marinho Carvalho, Professor  
La Quinta Motor Inns, Inc. Centennial Professorship in Business  
Department of Information, Risk, and Operations Management, Department of Finance, and Department of Statistics and Data Sciences  
PhD, Duke University, 2006

Deepayan Chakrabarti, Assistant Professor  
Department of Information, Risk, and Operations Management

PhD, Carnegie Mellon University, 2005

Eric Chan, Assistant Professor  
Department of Accounting  
PhD, University of Pittsburgh, Pittsburgh Campus, 2015

Gretchen B Charrier, Associate Professor of Instruction  
School of Law and Department of Accounting  
MPA, University of Texas at Austin, 1996

Shuping Chen, Professor  
The Wilton E. and Catherine A. Thomas Professorship in Accounting  
Department of Accounting  
PhD, University of Southern California, 2003

Michael B Clement, Professor  
Clark W. Thompson, Jr. Chair in Accounting  
Department of Accounting  
PhD, Stanford University, 1997

Joel A Cobb, Associate Professor  
Department of Business, Government and Society  
PhD, University of Michigan-Ann Arbor, 2012

Jonathan B Cohn, Associate Professor  
Department of Finance  
PhD, University of Michigan-Ann Arbor, 2008

Avinash Collis, Assistant Professor  
Department of Information, Risk, and Operations Management  
MS, University of Mannheim, 2014

Caryn A Conley, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, New York University, 2008

Julia L Coronado, Clinical Associate Professor  
Department of Finance  
PhD, University of Texas at Austin, 1997

LaTisha Cotto, Lecturer  
Department of Marketing  
MBA, Rice University, 2014

Stephen E Courter, Assistant Professor of Instruction  
Department of Management  
MSBA, George Washington University, 1982

Alex Crist, Lecturer  
Department of Marketing  
MA, Taylor University, 2017

William H Cunningham, Professor  
James L. Bayless Chair for Free Enterprise  
Department of Marketing  
PhD, Michigan State University, East Lansing, 1971

John A Daly, Professor  
Texas Commerce Bancshares, Inc. Centennial Professorship in Business Communication, Frank A. Liddell, Sr. Centennial Professorship in Communication  
Department of Management and Department of Communication Studies  
PhD, Purdue University Main Campus, 1977

Paul Damien, Professor  
B. M. (Mack) Rankin, Jr. Professorship in Business Administration  
Department of Information, Risk, and Operations Management, Department of Finance, and Department of Statistics and Data Sciences

PhD, University of London, 1994

Alex Davern, Lecturer  
Department of Management  
BAcc, Dublin University, 1987

Maria De Arteaga Gonzalez, Assistant Professor  
Department of Information, Risk, and Operations Management  
MS, Carnegie Mellon University, 2017

Lisa Nicole De Simone, Associate Professor  
Department of Accounting  
PhD, University of Texas at Austin, 2013

Jade S DeKinder, Clinical Assistant Professor  
Department of Marketing and Red McCombs School of Business  
PhD, Emory University, 2007

Jeffrey S Dickerson, Assistant Professor of Instruction  
Department of Business, Government and Society  
JD, University of Texas at Austin, 1988

Doug R Dierking, Professor of Instruction  
Department of Management  
PhD, University of Texas at Austin, 1997

David M Dodd, Lecturer  
Department of Marketing and Department of Business, Government and Society  
Department of Marketing and Department of Business, Government and Society  
LLM, Georgetown University, 1981

John N Doggett, Professor of Instruction  
Department of Management  
MBA, Harvard University, 1981

Andres Francisco Donangelo, Assistant Professor  
Department of Finance  
PhD, University of California-Berkeley, 2011

Aysa A Dordzhieva, Assistant Professor  
Department of Accounting  
MS, Moscow State University, 2011

Zena Drakou, Lecturer  
Department of Information, Risk, and Operations Management  
MS, University of Texas at Austin, 2017

Rex Du, Professor  
Alvin and Helene Eicoff Endowed Professorship in Direct Broadcast Marketing  
Department of Marketing  
PhD, Duke University, 2005

Jason A Duan, Associate Professor  
Department of Marketing  
PhD, Duke University, 2006

Janet M Dukerich, Professor  
Hugh Roy Cullen Centennial Chair in Business Administration  
Department of Management and Office of the Executive Vice President and Provost  
PhD, University of Minnesota-Twin Cities, 1985

Robert C Duvic, Professor of Instruction  
Department of Finance  
PhD, University of Texas at Austin, 1990

James S Dyer, Professor  
The Fondren Foundation Centennial Chair in Business  
Department of Information, Risk, and Operations Management and Department of Management  
PhD, University of Texas at Austin, 1969

Mary V Eberlein, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, University of Tennessee, 1996

Leigh Edwards, Lecturer  
Department of Accounting  
MPA, University of Texas at Austin, 2009

Daniel Paul Clark Fannin II, Lecturer  
Department of Accounting  
MBA, University of Texas at Austin, 2007

William Russell Finney, Lecturer  
Department of Information, Risk, and Operations Management  
BS, Oklahoma State University Main Campus, 1982

Carl Forrest, Lecturer  
Department of Marketing  
MA, George Mason University, 2013

Cesare Fracassi, Associate Professor  
Department of Finance  
PhD, University of California-Los Angeles, 2009

Robert B Freund, Professor of Practice  
Red McCombs School of Business and Department of Information, Risk, and Operations Management  
PhD, Cornell University, 1995

Liana Lee Frey, Lecturer  
Department of Marketing  
MBA, Dartmouth College, 1998

William Fuchs, Professor  
Department of Finance  
PhD, Stanford University, 2005

Alessandro U Gabbi, Assistant Professor of Instruction  
Department of Business, Government and Society and Department of Marketing  
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MBA, University of Texas at Austin, 1997

Rui Gao, Assistant Professor  
Department of Information, Risk, and Operations Management  
PhD, Georgia Institute of Technology, 2018

Kishore Gawande, Professor  
Century Club Professorship  
Department of Business, Government and Society  
PhD, University of California-Los Angeles, 1991

Linda V Gerber, Associate Professor of Instruction  
Department of Business, Government and Society  
PhD, University of Texas at Austin, 1983

Andrew D Gershoff, Professor  
Foley's Professorship in Retailing  
Department of Marketing  
PhD, University of Texas at Austin, 1999

Angie L Gette, Lecturer

Department of Marketing  
MBA, University of Texas at Austin, 2009

Stephen M Gilbert, Professor  
Eddy Clark Scurlock Centennial Chair in Business, Sam P. Woodson, Jr.  
Centennial Memorial Professorship in Business  
Department of Information, Risk, and Operations Management and  
Department of Management  
PhD, Massachusetts Institute of Technology, 1992

Thomas W Gilligan, Clinical Professor  
Department of Finance  
PhD, Washington University in St Louis, 1984

Amanda Louann Golden, Lecturer  
Department of Management  
MA, St Edward's University, 2015

Linda L Golden, Professor  
Joseph H. Blades Centennial Memorial Professorship in Insurance  
Department of Marketing and Department of Business, Government and  
Society  
PhD, University of Florida, 1975

Kirk P Goldsberry, Assistant Professor of Instruction  
Department of Management  
PhD, University of California-Santa Barbara, 2007

HECTOR GOMEZ MACFARLAND, Lecturer  
Department of Marketing  
PhD, Tulane University, 2009

Stephen G Goodson, Assistant Professor of Instruction  
Department of Accounting  
BA, Stephen F Austin State University, 1985

John M Graff, Lecturer  
Department of Management  
BS, University of Texas at Austin, 1987

Katie Gray, Professor of Instruction  
Department of Information, Risk, and Operations Management  
MS, Texas A & M University, 2004

Steven Gray Jr, Assistant Professor  
Department of Management  
PhD, Washington University in St Louis, 2017

Paul Green, Assistant Professor  
Department of Management  
MBA, Drexel University, 2010

James Griffin, Lecturer  
Department of Information, Risk, and Operations Management  
MBA, University of Minnesota-Twin Cities, 1998

John M Griffin, Professor  
Department of Finance  
PhD, Ohio State U Main Campus, 1997

Tyler Grooms, Lecturer  
Department of Finance  
MPS, Cornell University, 2010

Lale Guler, Clinical Associate Professor  
Department of Accounting  
PhD, Texas A & M University, 2007

Diwakar Gupta, Professor

Daniel B. Stuart Centennial Professorship in the Application of  
Computers to Business & Management  
Department of Information, Risk, and Operations Management  
PhD, University of Waterloo, 1988

Genaro J Gutierrez, Associate Professor  
Department of Information, Risk, and Operations Management and  
Department of Management  
PhD, Stanford University, 1988

Warren J Hahn, Clinical Professor  
Department of Finance  
PhD, University of Texas at Austin, 2005

Jeffrey Hales, Professor  
Charles T. Zlatkovich Centennial Professorship in Accounting  
Department of Accounting  
PhD, Cornell University, 2003

Greg F Hallman, Professor of Instruction  
Department of Finance  
PhD, University of Texas at Austin, 1996

Nicholas Jennings Hallman, Assistant Professor  
Department of Accounting  
PhD, University of Missouri - Columbia, 2016

Robert Kincaid Hammond, Clinical Assistant Professor  
Department of Information, Risk, and Operations Management  
PhD, University of Texas at Austin, 2014

Elizabeth Hanson Smith, Lecturer  
Department of Management  
PhD, University of Southern Mississippi, 2016

Carson B Harreld, Lecturer  
Department of Accounting  
MA, University of Missouri - Columbia, 1967

Thomas B Harris IV, Adjunct Professor  
Department of Finance  
BA, Texas A & M University, 1980

David A Harrison, Professor  
Charles and Elizabeth Prothro Regents Chair in Business Administration  
Department of Management  
PhD, University of Illinois at Urbana-Champaign, 1988

Jay C Hartzell, Professor  
Regents Chair in Higher Education Leadership, Ed and Caroline Hyman  
Endowed Presidential Leadership Chair, Trammell Crow Regents  
Professorship in Business  
Department of Finance  
PhD, University of Texas at Austin, 1998

Michael Graham Hasler, Associate Professor of Instruction  
Department of Information, Risk, and Operations Management  
MBA, University of Virginia, 1985

John William Hatfield, Professor  
Arthur Andersen & Co. Alumni Centennial Professorship in Finance  
Department of Finance, Department of Economics, and Department of  
Business, Government and Society  
PhD, Stanford University, 2005

Jerry B Hays, Assistant Professor of Instruction  
Department of Accounting  
PhD, Nova Southeastern University, 2013

Andrew D Henderson, Associate Professor  
Department of Management  
PhD, University of Texas at Austin, 1996

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Department of Marketing and Red McCombs School of Business  
PhD, University of Wisconsin-Madison, 2007

David Hendrawirawan, Lecturer  
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MS, Texas A & M University, 2001

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The John Arch White Professorship in Business  
Department of Accounting  
PhD, University of Minnesota-Twin Cities, 1992

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Department of Marketing  
PhD, University of Mannheim, 2015

Terri Holbrook, Associate Professor of Instruction  
Department of Accounting  
MS, University of Texas at Arlington, 1991

Wayne D Hoyer, Professor  
James L. Bayless/W. S. Farish Fund Chair for Free Enterprise  
Department of Marketing  
PhD, Purdue University Main Campus, 1980

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PhD, University of Maryland College Park, 2018

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Department of Accounting  
MS, Carnegie Mellon University, 2015

Paul J Irvine, Lecturer  
Department of Finance  
PhD, University of Rochester, 1996

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Marlene and Morton Meyerson Centennial Professorship in Business  
Department of Business, Government and Society  
PhD, University of Colorado at Boulder, 1992

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Department of Accounting  
BS, University of Illinois at Urbana-Champaign, 1977

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Department of Finance  
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Department of Accounting  
MBA, University of Toronto, 1976

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JD, South Texas College of Law, 2002

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Randal B. McDonald Chair in Accounting  
Department of Accounting  
PhD, University of Florida, 1988

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Department of Accounting  
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Department of Finance  
PhD, Carnegie Mellon University, 2010

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PhD, University of Washington - Seattle, 2009

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PhD, Georgia State University, 2006

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Department of Business, Government and Society and Lyndon B  
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MPAff, University of Texas at Austin, 1996

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Department of Finance  
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Deloitte & Touche Chair in Accounting  
Department of Accounting  
PhD, University of Illinois at Urbana-Champaign, 1990

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PhD, University of Rochester, 1992

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Department of Finance  
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MAcc, Texas Christian University, 2009

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PhD, Cornell University, 2015

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Tom E. Nelson, Jr. Regents Professorship in Business  
Department of Information, Risk, and Operations Management  
PhD, Carnegie Mellon University, 2009

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Department of Business, Government and Society and Department of  
Computer Science  
JD, Northeastern University, 2000

Volker Laux, Professor  
Aubrey and Elsie Fariss Professorship in Accounting  
Department of Accounting  
PhD, Johann Wolfgang Goethe University, 2003

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Department of Finance  
JD, University of Virginia, 1989

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MPhil, Columbia University in the City of New York, 2017

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MS, Massachusetts Institute of Technology, 2016

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PhD, University of Michigan-Ann Arbor, 2021

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Department of Marketing  
MS, University of Pennsylvania, 2014

Robert W Ligon, Lecturer  
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MA, University of Missouri - Kansas City, 1987

Stephen T Limberg, Professor  
PricewaterhouseCoopers Centennial Professorship in Accounting  
Department of Accounting and Department of Medical Education  
PhD, Arizona State University Main, 1982

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Department of Medical Education, Red McCombs School of Business,  
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PhD, Nova Southeastern University, 2004

James Richard Lowery Jr, Associate Professor  
Department of Finance  
PhD, Carnegie Mellon University, 2009

Brian Ross Lukoff, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, Stanford University, 2010

Sara Lundqvist, Lecturer

Department of Information, Risk, and Operations Management and  
Department of Finance  
Department of Information, Risk, and Operations Management and  
Department of Finance  
PhD, Lund University, 2014

Stephen P Magee, Professor  
James L. Bayless/Enstar Corp. Chair in Business Administration  
Department of Finance and Department of Economics  
PhD, Massachusetts Institute of Technology, 1969

Vijay Mahajan, Professor  
John P. Harbin Centennial Chair in Business  
Department of Marketing  
PhD, University of Texas at Austin, 1975

Sahil Maherali, Lecturer  
Department of Marketing  
BA, University of Texas at San Antonio, 2018

David R Martin, Assistant Professor of Instruction  
Department of Finance  
MS, Carnegie Mellon University, 1981

Luis D I Martins, Professor  
Herb Kelleher Chair in Entrepreneurship, James B. Goodson  
Professorship in Business  
Department of Management  
PhD, New York University, 1997

Leigh M McAlister, Professor  
Ed and Molly Smith Chair in Business Administration  
Department of Marketing  
PhD, Stanford University, 1978

Christopher McClellan, Lecturer  
Department of Information, Risk, and Operations Management  
MBA, University of Texas at Austin, 1990

Angela G McDermott, Lecturer  
Department of Management  
PhD, University of Houston, 1988

John C McGuire Jr, Assistant Professor of Instruction  
Department of Accounting  
BA, Michigan State University, East Lansing, 1980

John M McInnis, Professor  
Department of Accounting  
PhD, University of Iowa, 2008

Christopher H Meakin, Associate Professor of Instruction  
Department of Business, Government and Society  
JD, University of Houston, 1987

Morgan E Medina, Lecturer  
Department of Marketing  
MS, Texas A & M University, 2008

Deirdre B Mendez, Assistant Professor of Instruction  
Humanities Program and Department of Business, Government and  
Society  
PhD, University of Texas at Austin, 1986

Herbert A Miller, Associate Professor of Instruction  
Department of Marketing  
BS, University of Hartford, 1968

James D Miller, Assistant Professor of Instruction

Department of Finance  
MBA, University of Texas at Austin, 2007

Lillian Fawn Mills, Professor  
Beverly H. and William P. O'Hara Endowed Chair in Business, Centennial Chair in Business Education Leadership, Lois and Richard Folger Dean's Leadership Chair in the McCombs School of Business, Centennial Chair in Business Education Leadership  
Department of Accounting and Red McCombs School of Business  
PhD, University of Michigan-Ann Arbor, 1996

Daniel A Mitchell, Clinical Assistant Professor  
Department of Information, Risk, and Operations Management  
PhD, University of Texas at Austin, 2014

Elizabeth Ghini Moliski, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, University of Chicago, 2010

Tricia Moravec, Assistant Professor  
Department of Information, Risk, and Operations Management  
MSc, Indiana University at Bloomington, 2015

Douglas J Morrice, Professor  
Bobbie and Coulter R. Sublett Centennial Professorship  
Department of Information, Risk, and Operations Management,  
Department of Management, and Department of Medical Education  
PhD, Cornell University, 1990

Matthew B Morris, Lecturer  
Department of Management  
PhD, University of Texas at Austin, 2017

Lindsey Conner Mosby, Lecturer  
Department of Marketing  
MS, Georgia Institute of Technology, 1998

Erin Susanna Mulkey, Lecturer  
Department of Marketing  
BBA, Texas Christian University, 2016

Melissa Lynne Murphy, Assistant Professor of Instruction  
Department of Management  
PhD, University of Texas at Austin, 2017

Stephanie L Murphy, Lecturer  
Department of Management  
PhD, Louisiana Tech University, 2015

Jared Scott Murray, Assistant Professor  
Department of Information, Risk, and Operations Management and  
Department of Statistics and Data Sciences  
PhD, Duke University, 2013

Paula C Murray, Professor  
Department of Business, Government and Society  
JD, University of Texas at Austin, 1980

Kumar Muthuraman, Professor  
Department of Information, Risk, and Operations Management  
PhD, Stanford University, 2003

Andrea Narvaez, Lecturer  
Department of Marketing  
MA, University of Maryland College Park, 2011

Gerald Nemeroff, Lecturer  
Department of Marketing

BSBA, West Virginia University, 1978

Daniel P Neuhann, Assistant Professor  
Department of Finance  
PhD, University of Pennsylvania, 2016

James A Nolen Jr, Distinguished Senior Lecturer  
Department of Finance  
MBA, University of Texas at Austin, 1976

Rodney A Northern, Lecturer  
Department of Management  
MBA, University of Southern California, 1988

Andrey Ordin, Assistant Professor  
Department of Finance  
MS, New Economic School, 2014

Yvette B Owo, Lecturer  
Department of Management  
BBA, University of Texas at Austin, 2007

Nathaniel Aaron Pancost, Assistant Professor  
Department of Finance  
PhD, University of Chicago, 2016

Robert Parrino, Professor  
Lamar Savings Centennial Professorship in Finance  
Department of Finance  
PhD, University of Rochester, 1992

Dennis S Passovoy, Assistant Professor of Instruction  
Department of Management  
MA, University of California-Los Angeles, 1974

Shefali V Patil, Associate Professor  
Department of Management  
PhD, University of Pennsylvania, 2014

Jeffery R Patterson, Lecturer  
Department of Business, Government and Society  
PhD, University of Texas at Austin,

Gaylen Paulson, Senior Lecturer  
Red McCombs School of Business and Department of Management  
PhD, Northwestern University, 1998

Frances Ann Pedersen, Associate Professor of Instruction  
Department of Business, Government and Society  
JD, Boston University, 1985

Bill Peterson, Assistant Professor of Instruction  
Department of Marketing  
MBA, Southern Methodist University, 1984

Michael S Peterson, Assistant Professor of Instruction  
College of Natural Sciences and Department of Management  
MS, University of Texas at Austin, 2014

Robert A Peterson, Professor  
John T. Stuart III Centennial Chair in Business  
Department of Marketing  
PhD, University of Minnesota-Twin Cities, 1970

David E Platt, Associate Professor of Instruction  
Office of the Executive Vice President and Provost, School of Undergraduate Studies, and Department of Accounting  
PhD, Cornell University, 1997

Gregory Paul Pogue, Lecturer

Department of Management  
PhD, Texas A & M University, 1992

Francisco Polidoro Jr, Professor  
Department of Management  
PhD, University of Michigan-Ann Arbor, 2006

Mary L Poloskey, Lecturer  
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MBA, University of Texas at Austin, 1988

Mandy T Pope, Lecturer  
Department of Finance  
MLA, Texas A & M University, 2003

Lovelys Powell Jr, Lecturer  
Department of Marketing  
MA, Texas State University, 1999

Robert A Prentice, Professor  
Ed and Molly Smith Centennial Professorship in Business Law  
Department of Business, Government and Society  
JD, Washburn University, 1975

Melinda Price, Assistant Professor of Instruction  
Department of Management  
MS, University of Texas at Austin, 2019

Evgenia Prilipko, Assistant Professor of Instruction  
Department of Management  
PhD, University of the Incarnate Word, 2014

Shannon Marie Provost, Clinical Assistant Professor  
Department of Information, Risk, and Operations Management  
PhD, University of Texas at Austin, 2016

Tommy D Pryor, Assistant Professor of Instruction  
Department of Management  
EdD, University of North Texas, 1982

David Quintanilla, Assistant Professor of Instruction  
Department of Business, Government and Society  
JD, St Mary's University, 2013

Rajagopal Raghunathan, Professor  
Zale Corporation Centennial Professorship in Business  
Department of Marketing and Program in the Human Dimensions of Organizations  
PhD, New York University, 2000

Ramkumar Ranganathan, Associate Professor  
Department of Management  
PhD, University of Pennsylvania, 2012

Raghunath S Rao, Associate Professor  
Department of Marketing  
PhD, University of Minnesota-Twin Cities, 2007

Ramesh K Rao, Professor  
The Margaret and Eugene McDermott Centennial Professorship of Banking and Finance  
Department of Finance  
DBA, Indiana University at Bloomington, 1978

Tom Rauzi, Lecturer  
Department of Management  
PsyD, University of Nebraska at Omaha, 1993

Julie A Rennecker, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, Massachusetts Institute of Technology, 2001

Brian Richter, Assistant Professor  
Department of Business, Government and Society  
PhD, University of California-Los Angeles, 2010

Marius A K Ring, Assistant Professor  
Department of Finance  
PhD, Northwestern University, 2020

Joshua Rock, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, University of Florida, 2020

Ehud I Ronn, Professor  
Department of Finance  
PhD, Stanford University, 1983

Anindita Roy Bardhan, Assistant Professor of Instruction  
Department of Accounting  
MBA, Bentley College, 2000

Donald H Ruse, Lecturer  
Department of Management  
MBA, London School of Economics and Political Science, 2011

Maytal Saar-Tsechansky, Professor  
Mary John and Ralph Spence Centennial Professorship  
Department of Information, Risk, and Operations Management  
PhD, New York University, 2002

Michael A Sadler, Senior Lecturer  
Department of Economics and Department of Finance  
PhD, University of Texas at Austin, 1997

Thomas W Sager, Professor  
Department of Information, Risk, and Operations Management and Department of Statistics and Data Sciences  
PhD, University of Iowa, 1973

Lance R Sallis, Lecturer  
Department of Finance  
MBA, University of Texas at Austin, 1989

Ed Salvato, Lecturer  
Department of Marketing  
MBA, Northeastern University, 1992

Roberto J Santillan, Lecturer  
Department of Finance  
PhD, Instituto Tecnológico y de Estudios Superiores de Monterrey, 1993

Jaime Joy Schmidt, Associate Professor  
Department of Accounting  
PhD, Texas A & M University, 2009

Jan Schneider, Clinical Assistant Professor  
Department of Finance  
PhD, University of British Columbia, 2006

Vito A Sciaraffia, Clinical Assistant Professor  
Department of Finance  
PhD, University of California-Berkeley, 2011

James G Scott, Professor  
Fayez Sarofim & Co. Centennial Professorship in Business

Department of Information, Risk, and Operations Management and  
Department of Statistics and Data Sciences  
PhD, Duke University, 2009

Ronnie Shah, Lecturer  
Department of Finance  
PhD, University of Texas at Austin, 2008

Dima Y Shamoun, Clinical Assistant Professor  
Department of Finance  
PhD, George Mason University, 2013

Subrina Shen, Assistant Professor  
Department of Management  
MA, Cornell University, 2017

Thomas S Shively, Professor  
Joe B. Cook Professorship in Business Administration  
Department of Information, Risk, and Operations Management and  
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PhD, University of Chicago, 1986

Clemens Sialm, Professor  
Charles E. and Sarah M. Seay Regents Chair in Finance, Texas  
Commerce Bancshares, Inc. Centennial Professorship in Commercial  
Banking  
Department of Finance and Department of Economics  
PhD, Stanford University, 2001

Stuart R Singer, Associate Professor of Instruction  
Department of Accounting  
JD, Columbia University in the City of New York, 1965

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MS, University of Virginia, 1994

Jeremy Lee Smitheal, Lecturer  
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Nicholas Snashall-Woodhams, Assistant Professor  
Department of Finance  
MPhil, Yale University, 2017

Michael Sockin, Assistant Professor  
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Garrett P Sonnier, Associate Professor  
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The Rex G. Baker Centennial Chair in Natural Resources Law  
Department of Business, Government and Society, Department of  
Government, and School of Law  
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Rajashri Srinivasan, Professor  
Sam Barshop Centennial Professorship in Marketing Administration  
Department of Marketing and Red McCombs School of Business  
PhD, Pennsylvania State University Main Campus, 2000

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Red McCombs School of Business and Department of Management  
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BJ, University of Texas at Austin, 1998

Matthew Stephenson, Lecturer  
Department of Finance  
MBA, University of Pennsylvania, 2011

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MFA, University of California-Los Angeles, 2010

Michael Sury, Lecturer  
Department of Finance  
MBA, University of Chicago, 1995

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Department of Information, Risk, and Operations Management  
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Sheridan Titman, Professor  
Walter W. McAllister Centennial Distinguished University Chair in  
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PhD, Carnegie Mellon University, 1981

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The Capitol City Savings Regents Professorship  
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PhD, Harvard University, 2013

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JD, University of Texas at Austin, 2012

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PhD, Indiana University at Bloomington, 1993

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Yong Yu, Professor  
C. Aubrey Smith Professorship in Accounting  
Department of Accounting  
PhD, Pennsylvania State University Park, 2006

Kevin Yuan, Lecturer  
Department of Finance  
PhD, Johns Hopkins University, 2019

Emre Yucel, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, University of Texas at Austin, 2018

Thaleia Zariphopoulou, Professor  
Chair in Mathematics, V. F. Neuhaus Centennial Professorship in Finance  
Department of Mathematics and Department of Information, Risk, and Operations Management  
PhD, Brown University, 1989

Weijia Zhang, Lecturer  
Department of Information, Risk, and Operations Management  
PhD, University of Nebraska - Lincoln, 1996

Wuyang Zhao, Assistant Professor  
Department of Accounting  
PhD, Fudan University, 2013

Ronghuo Zheng, Assistant Professor  
Department of Accounting  
PhD, Carnegie Mellon University, 2016

Mingyuan Zhou, Associate Professor  
Department of Information, Risk, and Operations Management and Department of Statistics and Data Sciences  
PhD, Duke University, 2013

Kathrin Zoeller, Lecturer  
Department of Business, Government and Society

PhD, University of Georgia, 2000

Kristina Zvinakis, Associate Professor of Instruction  
Department of Accounting  
PhD, University of Texas at Austin, 1998

## Moody College of Communication

Rachel Davis Mersey, PhD, *Interim Dean*  
Anita L. Vangelisti, PhD, *Senior Associate  
Dean, Faculty Affairs and Graduate Education*  
Cassandre Giguere Alvarado, PhD,  
*Associate Dean, Undergraduate Education*

Celeste González de Bustamante, PhD, *Associate Dean, Global Initiatives*  
Maya Henry, PhD, *Interim Associate Dean, Research*  
Kyle Clark, MEd, *Assistant Dean, Advising and Director of Student Support*  
Noah Isenberg, *Associate Dean, Professional Programs*  
<https://moody.utexas.edu/>

## General Information

### Mission

The mission of the Moody College of Communication at The University of Texas at Austin is to advance and enhance society through the study and practice of human communication. We pursue our mission through world-class teaching, scholarship, public service, and our shared commitment to collaboration that bridges disciplines within the college, across the University, and around the world. We draw energy and inspiration from the vibrant community of Austin, Texas to reinforce our core values of knowledge, innovation, collaboration, creativity, integrity, and diversity. We firmly believe that the communication arts and sciences are fundamental for humanity, critical for community, and essential for prosperity.

Moody College is preparing students to better society by enabling them to make the communication breakthroughs of tomorrow. While the media, channels and tools used to communicate are constantly changing, the foundational skills needed to be effective communicators remain the same. Students will become prepared to adapt to a dynamic field while learning the principles needed to become effective, ethical communicators.

Students can choose from seven degree programs: Advertising; Communication and Leadership; Communication Studies; Journalism; Public Relations; Radio-Television-Film; and Speech, Language, and Hearing Sciences. Students benefit from interdisciplinary approaches to communication education and exposure to a broad range of perspectives—ultimately preparing them to succeed across the range of communication disciplines and industries.

### Facilities

In addition to the extensive library and computer resources of the university, certain special resources provide support for work in communication. Chief among them is the G. B. Dealey Center for New Media (DMC), which opened in summer 2012. The DMC is a 5-level 120,000 square-foot facility that weds cutting-edge technology with innovative teaching and research methods. The G. B. Dealey Center is home to the KUT Public Broadcast Center, the School of Journalism and Media, the Stan Richards School of Advertising & Public Relations, and the Moody College of Communication Dean's Office. The G. B. Dealey Center houses a multitude of instructional, research, and meeting spaces including a 300-seat auditorium, a 120-seat lecture hall, an executive briefing facility, and a theatrical-grade 75-seat presentation room. The KUT Public Broadcast center is housed in a two-story, 20,000 square-

foot wing which includes a 72-seat, glass-walled performance studio that incorporates the community into some of KUT's 300 annual in-studio performances.

The Jesse H. Jones Communication Center in Communication Building A (CMA) is a six-level building housing classrooms, offices, and sophisticated technology facilities. All facilities offer pervasive wireless internet access and all instructional and production spaces feature high-definition equipment. Communication Building B (CMB), a nine-level production building, houses teaching and production facilities for the School of Journalism and Media and the Department of Radio-Television-Film. These facilities provide opportunities for academic programs that cross disciplinary lines, interrelate traditional and online media, and otherwise combine the resources of the College in ways not feasible within any one of the components.

## Financial Assistance Available through the College

The Moody College of Communication and each academic unit have a large number of scholarships that are awarded annually. More information about college scholarships is available on the [Moody College's website](#), and from the Student Advising Office.

## Student Services

### Academic Advising

The Student Advising Office, in collaboration with the academic departments, oversees all advising in the college. To allow in-depth advising on specific programs of study and courses in the major, each student is assigned an advisor. Students should meet with their advisors to select courses appropriate to the degree and to ensure that all degree requirements are met. In addition, students should consult their advisors for assistance in preparing for graduation.

### Career Services

Moody College Career Center provides a variety of career development and job/internship search assistance programs for students and alumni. The University makes no promise to secure employment for each graduate.

### Student Council

Communication Council represents all undergraduate communication students and sponsors college-wide programs and events throughout the year.

## Admission and Registration

### Admission

#### Admission to the University

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#). Admission to a major may be restricted by the availability of instructional resources.

#### Admission Policies of the College

Students admitted to the University with deficiencies in high school units must remove them by the means prescribed in the *General Information Catalog*. Course credit used to remove deficiencies may not be counted toward the student's degree.

A few students who already have a bachelor's degree and who are not candidates for an advanced degree are admitted to the college each year as non-degree seeking students. Such students are admitted only with the approval of the appropriate academic unit head and the dean.

## Registration

The *General Information Catalog* gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and the *General Information Catalog* are published on the [Registrar's website](#).

Enrollment in upper-division courses in the Moody College of Communication may be restricted because of limitations on instructional resources.

## Academic Policies and Procedures

### Requirements and Policies of the College

All students must fulfill the General Requirements for graduation given in the University section. Students in the Moody College of Communication are also subject to the following requirements and policies:

- a. All communication majors must have a grade of at least C- in each course taken in the Moody College of Communication that is counted toward the degree; if the course is offered on the pass/fail basis only, the course must have the symbol *CR*.
- b. No more than 60 hours of communication coursework may count toward the degree.
- c. At least 36 semester hours of upper-division coursework must be counted toward the degree.
- d. Moody College students must complete at least 18 hours of in-residence upper-division coursework.
- e. Students in the Moody College of Communication may not repeat for credit a course in which they have earned a grade of C- or better, unless otherwise specified in the catalog.
- f. A student may declare only one minor or certificate to supplement their Moody major(s); exceptions must be approved by the Student Dean. Moody students must declare their minor/certificate intentions before they have completed 75% of their degree requirements, as indicated on the Interactive Degree Audit (IDA); exceptions must be approved by the Student Dean.

### Moody College Honors Program

The Moody College Honors Program requires 15 hours of coursework. Students should apply as incoming freshmen but have an opportunity to enter the program later by applying in their first year. Students accepted into the Moody College Honors Program must complete the following coursework. Exceptions may be made at the program director's discretion. All courses must be taken for letter grade (unless only offered on a pass/fail basis), and only C- or better will count towards the program.

- a. Communication 307H and Communication 308H (6 hours);
- b. Elective seminars on special topics; Communication 370H (between 3-9\* hours, depending on the capstone option students choose);

- c. A capstone requirement, with options that include a creative or service project (Communication 330H) or a traditional academic thesis (Communication 679H) (between 3-6 hours).

*\*Students who choose to complete nine hours of Communication 370H will be asked to complete additional assignments.*

Moody College Honors Program students will be assessed for continuing eligibility at the end of each academic year, and must meet the following standards: an overall GPA of at least 3.0; a GPA in Moody College coursework of at least 3.4; participation in Moody College Honors Program courses and activities, as described on the program website and by program faculty and staff. Moody College Honors Program students who do not meet these standards may be subject to dismissal from the program.

At the time of graduation, Moody College Honors Program students who have an overall GPA of at least 3.0 and a GPA in Moody College coursework of at least 3.4 will receive special recognition at commencement for successful completion of the program.

## Graduation

### Graduation

To be awarded a degree from the Moody College of Communication at The University of Texas at Austin, a candidate must complete 120 semester hours of coursework and must fulfill the University's General Requirements for graduation, the Core Curriculum requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given for the student's major under Prescribed Work, Major Requirements, and Special Requirements of the Major. A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Graduation With University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the *General Information Catalog*.

### ROTC Degree Candidates

An Air Force, Army, or Naval Reserve Officer Training Corps student who elects the basic and/or advanced program in air force science, military science, or naval science will not be approved for graduation until the student's government contract is completed or the student is released from the ROTC.

### Degree Audit

Students should verify the coursework they have completed and the coursework still needed for the degree by reviewing a degree audit at least once each semester with an advisor in the Student Advising Office. The degree audit is a computer-generated report of the student's progress in completing degree requirements. The student may also create, print, and review an audit online through IDA, the Interactive Degree Audit system; information about IDA is available at <https://onestop.utexas.edu/registration-and-degree-planning/degree-planning/>.

Although the degree audit normally provides an accurate statement of requirements, students are responsible for knowing the requirements for the degree as stated in a catalog under which they are eligible to graduate and for registering so as to fulfill those requirements. Because students are responsible for registering for the courses needed to fulfill

degree requirements, they should seek an official ruling in the Student Advising Office before registering if in doubt about any requirement.

## Degrees and Programs

### Degrees Offered

In the Moody College of Communication, seven undergraduate degrees are offered: Bachelor of Science in Advertising, Bachelor of Science in Communication and Leadership, Bachelor of Science in Communication Studies, Bachelor of Journalism, Bachelor of Science in Public Relations, Bachelor of Science in Radio-Television-Film, and Bachelor of Science in Speech, Language, and Hearing Sciences. In addition to the core curriculum, the requirements of each degree consist of special requirements, prescribed work, and major requirements; these are given within the section associated with each degree.

A student may not earn more than two undergraduate degrees from the Moody College of Communication. A student may not earn both the Bachelor of Science in Advertising and the Bachelor of Science in Public Relations. A student may not earn both the Bachelor of Science in Communication and Leadership and the Bachelor of Science in Communication Studies. A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Moody College Success Scholars

The Moody College Success Scholars program is a two-year program in the Moody College of Communication that seeks to provide eligible incoming freshmen with a supportive and community-based foundation in order to promote strong academic performance, engagement in the Moody College community, and a timely graduation.

Membership in the Moody College Success Scholars program is by invitation only and exclusive to first- and second-year students within Moody College.

### Semester in Los Angeles (UTLA)

UTLA is an experiential learning program that provides registered UT Austin students the opportunity to live, work, and learn in Los Angeles. For more information, visit: <https://utla.utexas.edu/>.

### Semester in New York (UTNY)

UTNY is an experiential learning program that provides registered UT Austin students the opportunity to live, work, and learn in New York City. For more information visit: <https://utny.utexas.edu/>.

### Applicability Of Certain Courses

#### Internship Credit

Some communication degree programs require an internship; in other programs, students may elect to complete an internship. Up to, but no more than, six semester hours of credit in internship courses may be counted toward the student's degree.

#### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. No more than one hour of PED coursework may be counted toward a degree in the Moody College of Communication. This hour shall be counted as a non-major elective and the grade earned will be included in the grade point average.

### Music Performance Courses

Music performance courses are offered by the College of Fine Arts under the fields of study ensemble, music, and as individual instruction in a particular instrument. No more than one hour of music performance coursework may be counted toward a degree in the Moody College of Communication. This hour shall be counted as non-major elective and the grade earned will be included in the grade point average.

### Transfer Coursework

No more than 12 semester hours of transfer credit may be counted toward a student's major requirements. Transfer credit may be counted towards prescribed work and the University Core Curriculum.

### Courses Taken on the Pass/Fail Basis

Moody College courses taken on the pass/fail basis cannot be counted toward the degree, unless they are offered only on the pass/fail basis. No course required for a specific degree requirement, whether taken in residence or in transfer, may be counted if taken on the pass/fail basis, unless the course is offered only on that basis. However, a student may elect to count up to 15 hours of free elective coursework taken on the pass/fail basis. Credit earned by examination is not counted toward the total number of hours that the student may take pass/fail.

### Courses Taken in other Fields of Study

No more than 36 semester hours in a field of study other than the field of study in which the student is majoring may be counted toward a degree in the Moody College.

### ROTC Courses

Unless a student is completing the Military Leadership minor, no more than nine semester hours of credit for air force science, military science, or naval science courses may be counted toward any degree in the Moody College of Communication. Such coursework may be counted only as lower-division electives in degree programs that have room for such electives, and only by students who have completed the third and fourth years of the ROTC program. ROTC courses may not be substituted for any specific required course.

Only students who complete the Military Leadership minor can count more than nine semester hours of air force science, military science, or naval science toward a Moody College degree.

## Bachelor of Science in Advertising

To be awarded the degree of Bachelor of Science in Advertising, the candidate must complete 120 semester hours of coursework and must fulfill the University's [General Requirements](#) (p. 20) for graduation, the [Core Curriculum](#) (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, Major Requirements, and Special Requirements of the Major, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Advertising may also be counted toward the core curriculum.



## Prescribed Work

- a. Six semester hours of coursework focusing on communication foundations: Communication 301E and 302E.
- b. Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the [Course Schedule](#). They may also be used to fulfill other degree requirements.
- c. Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with knowledge of a language other than English are encouraged to take appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.
- d. Twelve hours of coursework in business, including Marketing 320F (Marketing 337 for students pursuing an additional major in business). At least six of the 12 hours must be upper-division.
- e. At least 39, but no more than 45, semester hours of advertising, as described in Major Requirements, below.
- f. Enough additional coursework to make a total of 120 semester hours.

## Major Requirements

At least 39, but no more than 45, semester hours of advertising, of which at least 24 hours must be upper-division. The following courses are required: Advertising 309R; 318J; 325; 344K; 345J; 350, 650, or 468L; 353; 370J; 373; and 12 additional hours of non-internship advertising coursework, nine of which must be upper-division.

## Special Requirements of the Major

To enroll in most upper-division courses in the Stan Richards School, a student must have completed Advertising 318J with a grade of at least *B*. Students may enroll in Advertising 318J no more than twice.

Advertising majors must complete Advertising 309R, 318J, 370J, and 373 in residence.

A student may not earn both the Bachelor of Science in Advertising and the Bachelor of Science in Public Relations.

## The Consent Procedure

Some courses in the Stan Richards School of Advertising & Public Relations require consent of the instructor prior to registering. To be able to register for such a course, a student must first ask for and receive the instructor's consent. The student may be invited to an interview with the instructor or may be asked to provide supporting materials, such as an application or an essay. The student is responsible for knowing the deadline to apply. Consent forms are available from the student's advisor and in the Stan Richards School of Advertising & Public Relations.

Some students may wish to apply to a competitive elective sequence; these sequences require consent to enroll.

## Courses

Because prerequisites are subject to change, students should consult the *Course Schedule* before registering.

### Order and Choice of Work

#### First Year Fall

- a. Communication 301E
- b. Science and Technology, Part 1 Core
- c. Rhetoric and Writing 306
- d. 3 hours of Advertising
- e. Undergraduate Studies 302 or 303

#### First Year Spring

- a. Advertising 318J
- b. US History Core
- c. Social and Behavioral Science Core
- d. Visual and Performing Arts Core
- e. Science and Technology, Part 1 Core

#### Second Year Fall

- a. Communication 302E
- b. Advertising 309R (This course may also be used to satisfy the Core Curriculum math requirement)
- c. Advertising 325
- d. 6 hours of language other than English

#### Second Year Spring

- a. Advertising 353
- b. Business course
- c. US History Core
- d. 6 hours of language other than English

#### Third Year Fall

- a. Science and Technology, Part 1 or Part 2 Core
- b. US/TX Government Core
- c. Advertising 345J
- d. Language/Culture course
- e. Elective

#### Third Year Spring

- a. Marketing 320F
- b. English 316L, 316M, 316N, or 316P
- c. Upper-division Business course
- d. Upper-division Advertising course
- e. Advertising 344K

#### Fourth Year Fall

- a. Advertising 370J
- b. Advertising 350
- c. US/TX Government Core
- d. 3 hours of Business
- e. 3 hours of elective

#### Fourth Year Spring

- a. Advertising 373
- b. Upper-division Advertising course
- c. Upper-division Advertising course

- d. Non-advertising elective
- e. Non-advertising elective

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

## Suggested Arrangement of Courses, Advertising (BSAdv)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
COM 301E (General Education)	3	ADV 318J (Major)		3 Study Abroad (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060, CD</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>		3	
ADV course (Major)	3	Visual and Performing Arts (Core) <sup>050</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
		Maymester (Opportunity)			
		15		15 0	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
COM 302E (General Education)	3	ADV 353 (Major) <sup>E</sup>		3 Study Abroad (Opportunity)	
ADV 309R (Core, Major) <sup>020, QR</sup>	3	Business course (Major)		3 Internship (Opportunity)	
ADV 325 (Major)	3	U.S. History (Core) <sup>060</sup>		3 UTLA/UTNY program (Opportunity)	
Foreign Language (General Education)	6	Foreign Language (General Education)		6	
		15		15 0	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	MKT 320F (Major)		3 Study Abroad (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Internship (Opportunity)	
ADV 345J (Major) <sup>Wr</sup>	3	Upper-division Business course (Major)		3 UTLA/UTNY program (Opportunity)	
Foreign Language (General Education)	3	Upper-division ADV course (Major)		3	
Free Elective (Elective) <sup>GC</sup>	3	ADV 344K (Major)		3	
		15		15 0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ADV 370J (Major) <sup>Wr</sup>	3	ADV 373 (Major) <sup>II</sup>		3 Internship (Opportunity)	
ADV 350 (Major)	3	Upper-division ADV course (Major)		3	
GOV 312L (Core) <sup>070</sup>	3	Upper-division ADV course (Major)		3	
Business course (Major)	3	Non-ADV Electives (Elective)		6	
Free Elective (Elective)	3				
		15		15 0	
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Communication and Leadership

To be awarded the degree of Bachelor of Science in Communication and Leadership, the candidate must complete 120 semester hours of coursework and must fulfill the University's [General Requirements](#) (p. 20) for graduation, the [Core Curriculum](#) (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, Major Requirements, and Special Requirements of the Major, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Communication and Leadership may also be counted toward the core curriculum.

### Prescribed Work

- a. Six semester hours of coursework focusing on communication foundations: Communication 301E and 302E.
- b. Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the Course Schedule. They may also be used to fulfill other degree requirements.
- c. Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with knowledge of a language other than English are encouraged to take appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.
- d. Thirty-six hours of coursework, as described in Major Requirements, below.

- e. Enough additional coursework to make a total of 120 semester hours.

## Major Requirements

The major requires 36 hours of coursework across three designated areas, of which at least 15 hours must be upper-division. Courses that are in multiple lists may only be counted once unless topics vary. Students must earn a C- or better (or CR for courses offered only on a pass/fail basis) in all courses counting toward major requirements:

- a. Communication and Leadership 301, 321, 351, 371, and three additional hours of coursework in communication and leadership, which cannot be fulfilled with internship hours.
- b. Twelve semester hours in Communication Fundamentals and Skills courses, chosen from the following: Advertising 320, 321, 324, 332, 339L; Communication and Leadership 320 (any topic), 324, 332, 340, 345 (any topic); Communication Studies 306M, 310K, 313M, 315M, 316L, 320, 321D, 322E, 332, 332K, 333, 334K, 335, 337, 338, 341, 353C, 353S, 354, 355K, 364K, 371K, 372K; Journalism 331M, 358C.
- c. Nine semester hours in Social Issues courses, chosen from the following: Advertising 324; African and African Diaspora Studies 303, 310K, 315O, 330, 330R, 345R, 350, 350C, 350G, 350M, 351U, 352E, 360, 360D, 360I; Applied Learning and Development 327; Business, Government, and Society 375; Communication and Leadership 320 (any topic), 324, 332, 340 (any topic), 365 (any topic); Communication Studies 314L, 338L, 340K, 363P; Educational Psychology 350L; Government 320N, 337D, 357G, 365W; Health Education 365, 366; Health and Society 340 (Topic 5), 341; History 317L (Topic 9), 317L (Topic 18), 340S, 350L (Topic 73), 356P, 365G (Topic 8); Journalism 313P, 341F, 341J, 341M, 346G, 348D, 348M, 351F, 356R, 358S; Latin American Studies 315 (Topic 3); Nursing 309, 321; Philosophy 304, 325J, 325M, 342R; Psychology 306; Public Health 317; Radio-Television-Film 301S, 323C, 328C, 335 (Topic 2), 335 (Topic 4), 342 (Topic 8), 345 (Topic 8), 345 (Topic 9), 359S (Topic 5), 359S (Topic 9), 359S (Topic 15), 365 (Topic 13), 365 (Topic 15); Rhetoric and Writing 330C (Topic 15); Social Work 310, 325; Sociology 307D, 307K, 307L, 307T, 308K, 308S, 309C, 319, 321G, 321K, 322F, 322U, 335R, 336D, 343, 345D, 352, 369K; Special Education 303; Speech, Language, and Hearing Sciences 314L, 378D; Women's and Gender Studies 322C, 335 (Topic 1), 340 (Topic 53), 340 (Topic 78), 345 (Topic 2).

## Special Requirements of the Major

A student may not earn both the Bachelor of Science in Communication and Leadership and the Bachelor of Science in Communication Studies.

## Order and Choice of Work

### First Year Fall

- a. Communication and Leadership 301
- b. Science and Technology, Part 1 Core
- c. 3 hours of Communication Fundamentals
- d. Communication 301E
- e. Undergraduate Studies 302 or 303

### First Year Spring

- a. 3 hours of Communication Fundamentals
- b. Rhetoric and Writing 306
- c. US History Core

- d. Science and Technology, Part 1 Core
- e. Elective

## Second Year Fall

- a. Communication and Leadership 321
- b. Communication 302E
- c. US History Core
- d. 6 hours of a language other than English

## Second Year Spring

- a. 3 hours of Communication Fundamentals
- b. Math Core
- c. US/TX Government Core
- d. 6 hours of a language other than English

## Third Year Fall

- a. Communication and Leadership 351
- b. 3 hours of upper-division Communication Fundamentals
- c. 3 hours of upper-division Social Issues
- d. Language/Culture
- e. Upper-division elective

## Third Year Spring

- a. 3 hours of Social Issues
- b. Science and Technology, Part 1 or Part 2 Core
- c. US/TX Government Core
- d. Upper-division elective
- e. Upper-division elective

## Fourth Year Fall

- a. 3 hours of Communication and Leadership
- b. Upper-division elective
- c. English 316L, 316M, 316N, or 316P
- d. Visual and Performing Arts Core
- e. Upper-division elective

## Fourth Year Spring

- a. Communication and Leadership 371
- b. 3 hours of Social Issues
- c. Social and Behavioral Science Core
- d. Upper-division elective
- e. Upper-division elective

## Suggested Arrangement of Courses, Communication and Leadership (BSComm&Lead)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CLD 301 (Major) <sup>E</sup>	3	Communication Fundamentals course (Major)		3 (None)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	RHE 306 (Core) <sup>010</sup>		3	
Communication Fundamentals course (Major)		3 U.S. History (Core) <sup>060, CD</sup>		3	

COM 301 E (General Education)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Free elective (Elective) Maymester (Opportunity)	3		
	15		15		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CLD 321 (Major)	3	Communication Fundamentals course (Major)		3 Study Abroad (Opportunity)	
COM 302E (General Education)	3	Mathematics (Core) <sup>020, QR</sup>		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	GOV 310L (Core) <sup>070</sup>		3 UTLA/UTNY Program (Opportunity)	
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CLD 351 (Major)	3	Social Issues course (Major)		3 Study Abroad (Opportunity)	
Upper-division Communication Fundamentals course (Major)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>		3 Internship (Opportunity)	
Upper-division Social Issues course (Major)	3	GOV 312L (Core) <sup>070</sup>		3 UTLA/UTNY Program (Opportunity)	
Language/Culture course (General Education)	3	Upper-division elective (Elective) <sup>Wr</sup>		3	
Upper-division Elective course (Elective) <sup>GC</sup>	3	Upper-division elective (Elective)		3	
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CLD course (Major)	3	CLD 371 (Major) <sup>Wr, II</sup>		3 Internship (Opportunity)	
Upper-division elective (Elective)	3	Social Issues course (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>		3	
Visual and Performing Arts (Core) <sup>050</sup>	3	Upper-division elective (Elective)		3	
Upper-division Elective course (Elective) <sup>Wr</sup>	3	Upper-division elective (Elective)		3	
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Communication Studies

To be awarded the degree of Bachelor of Science in Communication Studies, the candidate must complete 120 semester hours of coursework and must fulfill the University's [General Requirements](#) (p. 20) for graduation, the [Core Curriculum](#) (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, Major Requirements, and Special Requirements of the Major, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23).

In some cases, a course required for the Bachelor of Science in Communication Studies may also be counted toward the core curriculum.

### Prescribed Work

- Six semester hours of coursework focusing on communication foundations: Communication 301 E and 302E.
- Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the Course Schedule. They may also be used to fulfill other degree requirements.
- Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with knowledge of a language other than English are encouraged to take appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.
- At least 36, but no more than 48, semester hours of communication studies as described in Major Requirements, below.
- Enough additional coursework to make a total of 120 semester hours.

### Major Requirements

At least 36, but no more than 48, semester hours of communication studies of which at least 18 hours must be upper-division. Each student must complete one of the following tracks:

#### Corporate Communication

- a. Communication Studies 306M, 313M, and 332K.
- b. Three semester hours chosen from the following  
Methods courses: Communication Studies 314L, 331K, 338L, 339L, 346, 347E, 347S, 348, 348K, 349M, 350C, 350M, 354, 357, 358, 359C, 371D, 371K, 372K, 377K, or 378K.  
The course selected may not be counted toward any additional communication studies major requirement.
- c. Three semester hours chosen from the following Career Preparation courses: Communication Studies 307K, 310K, 313M, 322E, 330, 330P, 331K, 332D, 335, 337, 339K, 342K, 345G, 346, 350C, 353C, 353S, 355K, 364M, 370K, or 373D. The course selected may not be counted toward any additional communication studies major requirement.
- d. Nine semester hours chosen from the following courses: Communication Studies 310K, 316L, 337, 339K, 339L, 341, 346, 350C, 350M, 352D, 353C, 353S, 356C, 356T, 367C, 370K, 372K, and 372T.
- e. Twelve additional semester hours of communication studies.

#### Interpersonal Communication

- a. Communication Studies 306M, 315M, and 332K.
- b. Three semester hours chosen from the following  
Methods courses: Communication Studies 314L, 331K, 338L, 339L, 346, 347E, 347S, 348, 348K, 349M, 350C, 350M, 354, 357, 358, 359C, 371D, 371K, 372K, 377K, or 378K. The course selected may not be counted toward any additional communication studies major requirement.
- c. Three semester hours chosen from the following  
Career Preparation courses: Communication Studies 307K, 310K, 313M, 322E, 330, 330P, 331K, 332D, 335, 337, 339K, 342K, 345G, 346, 350C, 353C, 353S, 355K, 364M, 370K, or 373D. The course selected may not be counted toward any additional communication studies major requirement.
- d. Nine semester hours chosen from the following courses: Communication Studies 314L, 330, 334K, 344K, 354, 355K, 355T, 357, 358, 358C, 367I, 370K, 371D, and 371K.
- e. Twelve additional semester hours of communication studies.

#### Political Communication

- a. Communication Studies 306M, 317C, and 332K.
- b. Three semester hours chosen from the following  
Methods courses: Communication Studies 314L, 331K, 338L, 339L, 346, 347E, 347S, 348, 348K, 349M, 350C, 350M, 354, 357, 358, 359C, 371D, 371K, 372K, 377K, or 378K. The course selected may not be counted toward any additional communication studies major requirement.
- c. Three semester hours chosen from the following  
Career Preparation courses: Communication Studies 307K, 310K, 313M, 322E, 330, 330P, 331K, 332D, 335, 337, 339K, 342K, 345G, 346, 350C, 353C, 353S, 355K, 364M, 370K, or 373D. The course selected may not be counted toward any additional communication studies major requirement.
- d. Nine semester hours chosen from the following courses: Communication Studies 320, 322E, 332, 333, 338L, 340K, 342C, 342K, 345, 345G, 345P, 345V, 364K, 367P, 370K, 372D, and 373D.
- e. Twelve additional semester hours of communication studies.

### Special Requirements of the Major

A student majoring in communication studies may not register for more than nine semester hours of communication studies in one semester.

A student may not earn both the Bachelor of Science in Communication and Leadership and the Bachelor of Science in Communication Studies.

## Courses

Because prerequisites are subject to change, students should consult the [Course Schedule](#) before registering.

### Order and Choice of Work

#### First Year Fall

- a. Communication Studies 306M
- b. Science and Technology, Part 1
- c. Rhetoric and Writing 306
- d. Communication 301E
- e. Undergraduate Studies 302 or 303

#### First Year Spring

- a. 3 hours of lower-division Communication Studies
- b. Math Core
- c. Social and Behavioral Science
- d. Science and Technology, Part 1
- e. English 316L, 316M, 316N, or 316P

#### Second Year Fall

- a. Communication Studies 313M
- b. Communication 302E
- c. US/TX Government Core
- d. 6 hours of a language other than English

#### Second Year Spring

- a. 3-hour lower-division Communication Studies track course
- b. Science and Technology, Part 1 or Part 2 Core
- c. US/TX Government Core
- d. 6 hours of a language other than English

#### Third Year Fall

- a. 3 hours upper-division Communication Studies
- b. 3 hours lower-division Communication Studies
- c. US History Core
- d. Language/Culture
- e. Elective

#### Third Year Spring

- a. Communication Studies 332K
- b. 3-hour upper-division Communication Studies Career Prep course
- c. Upper-division elective
- d. Visual and Performing Arts Core
- e. US History Core

#### Fourth Year Fall

- a. 3-hour upper-division Communication Studies track course
- b. 3-hour lower-division Communication Studies Methods course
- c. Upper-division elective
- d. Upper-division elective
- e. Upper-division non-Communication Studies elective

#### Fourth Year Spring

- a. 3-hour upper-division Communication Studies course
- b. 3-hour upper-division Communication Studies track course
- c. Upper-division non-Moody elective

- d. Upper-division non-Moody elective
- e. Non-Communication Studies elective

Upper-division	3	
Non-CMS elective (Elective)		
	15	15
<b>Total credit hours: 120</b>		

## Suggested Arrangement of Courses, Communication Studies (BSCommStds)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CMS 306M (Major) <sup>E</sup>	3	Lower-division CMS course (Major)		3 (None)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Mathematics (Core) <sup>020, QR</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
COM 301E (General Education)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup> Maymester (Opportunity)	3		
	15		15		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CMS 313M (Major)	3	Lower-division CMS course (Major)		3 Study Abroad (Opportunity)	
COM 302E (General Education)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3	UTLA/UTNY program (Opportunity)	
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division CMS course (Major)	3	CMS 332K (Major)		3 Study Abroad (Opportunity)	
Lower-division CMS course (Major)	3	Upper-division CMS career prep course (Major)		3 Internship (Opportunity)	
U.S. History (Core) <sup>060, CD</sup>	3	Upper-division elective (Elective) <sup>GC</sup>	3	UTLA/UTNY program (Opportunity)	
Language/Culture course (General Education)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
Free elective (Elective) <sup>Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division CMS track course (Major)	3	Upper-division CMS course (Major) <sup>II</sup>		3 Internship (Opportunity)	
Lower-division CMS methods course (Major)	3	Upper-division CMS track course (Major)		3	
Upper-division Elective course (Elective) <sup>Wr</sup>	3	Upper-division Non-Moody electives (Elective)	6		
Upper-division Elective courses (Elective)	3	Free elective (Elective)	3		

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Bachelor of Journalism

To be awarded the degree of Bachelor of Journalism, the candidate must complete 120 semester hours of coursework and must fulfill the University's General Requirements (p. 20) for graduation, the Core Curriculum (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, Major Requirements, and Special Requirements of the Major, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

## Core Curriculum

All students must complete the University's Core Curriculum (p. 23). In some cases, a course required for the Bachelor of Journalism may also be counted toward the core curriculum

## Prescribed Work

- a. Six semester hours of coursework focusing on communication foundations: Communication 301E and 302E.
- b. Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the Course Schedule. They may also be used to fulfill other degree requirements.
- c. Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with knowledge of a language other than English are encouraged to take

appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.

- d. At least 42, but no more than 45, semester hours of journalism coursework, as described in Major Requirements, below.
- e. Enough additional coursework to make a total of 120 semester hours.

## Major Requirements

Journalism students must complete 42 semester hours in journalism, but no more than 45 journalism hours may be counted toward the degree. Students must complete the following coursework:

**Level I, Foundations** (Nine hours): Journalism 301F, 302F, and 304F.

**Level II, Applications** (Six hours): Journalism 310F and 311F.

**Level III, Specialized Skills and Concepts** (18 hours):

- At least nine semester hours in Skills courses to be chosen from: Journalism 320F, 320G, 321F, 322E, 322F, 322J, 322P, 323F, 324C, 324F, 325C, 325F, 325J, 325S, 326C, 326F, 327D, 328D, 328L, 328S, 329T, 330C, 330G, 330J, 330L, 331D, 331G, 331M, 331N, 331W, 332D, 332G, 332J, 332P, 333G, 333J, 333L, 333S, 334F, 334G, 334J, 334N, 334P, 334S, 335, 335D, 335F, 335G, 335J, 335K, 335N, 335P, 336D, 336F, 336J, 336M, 337C, 337D, 337F, 337G, 337J, 337L, 337M, 337P, 338F, 339F, 339M, 339T (all topics), 340J, 346F. Students should consult the School of Journalism and Media for the most updated course list.
- Journalism 350F (required) and at least three additional semester hours in Concepts courses to be chosen from: Journalism 338J, 340F, 340G, 341F, 341G, 341J, 341M, 342F, 342G, 342J, 343F, 343G, 344F, 344G, 345G, 346G, 347F, 347G, 348D, 348E, 348F, 348G, 348J, 348M, 348N, 349E, 349F, 349L, 349N, 349T, 350M, 350N, 351C, 351F, 351G, 351J, 351P, 351S, 351T, 352F, 353F, 354F, 354L, 354M, 354N, 354R, 354S, 355F, 355G, 355M, 355P, 356C, 356G, 356M, 356R, 358N, 358P, 358S, 359M, 359S, 359T. Students should consult the School of Journalism and Media for the most updated course list.
- Three additional semester hours in *Skills* or *Concepts*.

**Level IV, Professional Practices** (Six hours): Six hours chosen from Journalism 360F, 361F, 362F, 363C, 363D, 363F, 363K, 363L, 363M, 363N, 363P, 363Q, 363S, 363V, 363W. Students should consult the School of Journalism and Media for the most updated course list.

Students must take three additional hours of journalism coursework.

## Special Requirements of the Major

Students are required to take Journalism 302F, 304F, 310F, and 311F in residence.

Journalism 310F and 311F require a grade of at least *B*; students who do not fulfill this requirement cannot register for upper-division journalism Skills courses.

The student must complete at least 72 semester hours outside journalism.

A student majoring in journalism may not register for more than nine semester hours in journalism in one semester or summer session. The director or associate director may make exceptions to this rule for students who need additional journalism courses in order to graduate on time.

## Courses

Any student enrolled in a journalism course who does not attend the first class meeting or laboratory session may be dropped from that course.

Because prerequisites are subject to change, students should consult the [Course Schedule](#) before registering.

## Order and Choice of Work

### First Year Fall

- a. Journalism 301F
- b. Science and Technology, Part 1 Core
- c. Rhetoric and Writing 306
- d. Communication 301E
- e. Undergraduate Studies 302 or 303

### First Year Spring

- a. Journalism 302F
- b. Math Core
- c. Social and Behavioral Science Core
- d. Science and Technology, Part 1 Core
- e. US History Core

### Second Year Fall

- a. Journalism 310F or 311F
- b. Communication 302E
- c. Science and Technology, Part 1 or Part 2 Core
- d. 6 hours of language other than English

### Second Year Spring

- a. Journalism 310F or 311F
- b. Journalism 304F
- c. English 316L, 316M, 316N, or 316P
- d. 6 hours of language other than English

### Third Year Fall

- a. Journalism 350F
- b. Upper-division Journalism Skills course
- c. US/TX Government Core
- d. Language/Culture
- e. Non-Journalism elective

### Third Year Spring

- a. Upper-division Journalism Skills course
- b. Upper-division Journalism Skills or Concepts course
- c. Upper-division elective
- d. US History Core
- e. US/TX Government Core

### Fourth Year Fall

- a. Upper-division Journalism Skills course
- b. Upper-division Journalism Professional Practice course
- c. 3 hours of Journalism
- d. Upper-division non-Journalism elective
- e. Upper-division non-Moody elective

## Fourth Year Spring

- Upper-division Journalism Professional Practice course
- Upper-division Journalism Concepts course
- Upper-division non-Moody elective
- Non-Journalism elective
- Visual and Performing Arts

Upper-division Non-Moody elective (Elective)	3	Visual and Performing Arts (Core) <sup>050</sup>	3
	15		15
			0

Total credit hours: 120

## Suggested Arrangement of Courses, Journalism (BJ)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
J 301F (Major)	3	J 302F (Major)	3	(None)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Mathematics (Core) <sup>020, QR</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
COM 301E (General Education)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	U.S. History (Core) <sup>060, CD</sup> Maymester (Opportunity)	3		
	15		15		0

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
J 310F or 311F (Major) <sup>Wr</sup>	3	J 310F or 311F (Major) <sup>Wr</sup>	3	Study Abroad (Opportunity)	
COM 302E (General Education)	3	J 304F (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	UTLA/UTNY program (Opportunity)	
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		15		0

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
J 350F (Major) <sup>E</sup>	3	Upper-division J Skills course (Major)	3	Study Abroad (Opportunity)	
Upper-division J Skills course (Major) <sup>WR</sup>	3	Upper-division J Skills or Concepts course (Major)	3	Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	Upper-division elective (Elective) <sup>GC</sup>	3	UTLA/UTNY program (Opportunity)	
Language/Culture course (General Education)	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	GOV 312L (Core) <sup>070</sup>	3		
	15		15		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division J Skills course (Major)	3	Upper-division J Professional Practice course (Major)	3	Internship (Opportunity)	
Upper-division J Professional Practice course (Major) <sup>II</sup>	3	Upper-division J Concepts course (Major)	3		
J course (Major)	3	Upper-division Non-Moody elective (Elective)	3		
Upper-division Non-Journalism elective (Elective)	3	Non-Journalism Elective Course (Elective)	3		

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)

## Bachelor of Science in Public Relations

To be awarded the degree of Bachelor of Science in Public Relations, the candidate must complete 120 semester hours of coursework and must fulfill the University's [General Requirements](#) (p. 20) for graduation and the [Core Curriculum](#) (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, Major Requirements, and Special Requirements of the Major, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

## Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Public Relations may also be counted toward the core curriculum.

## Prescribed Work

- Six semester hours of coursework focusing on communication foundations: Communication 301E and 302E.
- Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the Course Schedule. They may also be used to fulfill other degree requirements.
- Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with



knowledge of a language other than English are encouraged to take appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.

- d. Twelve hours of coursework in business, including Marketing 320F (337 for students pursuing an additional major in business). At least six of the 12 hours must be upper-division.
- e. Journalism 317.
- f. At least 36, but no more than 42, semester hours of advertising and public relations, as described in Major Requirements, below.
- g. Enough additional coursework to make a total of 120 semester hours.

## Major Requirements

At least 36, but no more than 42, semester hours of coursework, of which at least 24 hours must be upper-division. The following courses are required: Advertising 318J, 344K, 345J, Public Relations 305, 309, 348, 350 or 650, 352, 353, 367, 377K, and three additional hours of non-internship advertising and/or public relations coursework.

## Special Requirements of the Major

The student must complete Advertising 318J, Public Relations 309, 367, and 377K in residence.

To enroll in most upper-division courses in the Stan Richards School, a student must have completed Advertising 318J with a grade of at least *B*. Students may enroll in Advertising 318J no more than twice.

A student may not earn both the Bachelor of Science in Advertising and the Bachelor of Science in Public Relations.

## The Consent Procedure

Some courses in the Stan Richards School of Advertising & Public Relations require consent of the instructor prior to registering. To be able to register for such a course, a student must first ask for and receive the instructor's consent. The student may be invited to an interview with the instructor or may be asked to provide supporting materials, such as an application or an essay. The student is responsible for knowing the deadline to apply. Consent forms are available from the student's advisor and in the Stan Richards School of Advertising & Public Relations.

Some students may wish to apply to a competitive elective sequence; these sequences require consent to enroll.

## Courses

Because prerequisites are subject to change, students should consult the [Course Schedule](#) before registering.

## Order and Choice of Work

### First Year Fall

- a. Communication 301E
- b. Science and Technology, Part 1 Core
- c. Rhetoric and Writing 306
- d. Public Relations 305
- e. Undergraduate Studies 302 or 303

### First Year Spring

- a. Advertising 318J
- b. US History Core

- c. Public Relations 309 (This course may also be used to satisfy the Core Curriculum math requirement)
- d. Visual and Performing Arts Core
- e. Science and Technology, Part 1 Core

## Second Year Fall

- a. Communication 302E
- b. Journalism 317
- c. US/TX Government Core
- d. 6 hours of language other than English

## Second Year Spring

- a. Public Relations 353
- b. Business course
- c. US/TX Government Core
- d. 6 hours of language other than English

## Third Year Fall

- a. Advertising 344K
- b. Public Relations 348
- c. Business course
- d. Language/Culture
- e. Elective

## Third Year Spring

- a. Marketing 320F
- b. Advertising 345J
- c. Advertising or Public Relations course
- d. Social and Behavioral Science Core
- e. US History Core

## Fourth Year Fall

- a. Public Relations 352
- b. Public Relations 367
- c. Public Relations 350
- d. English 316L, 316M, 316N, or 316P
- e. Upper-division elective

## Fourth Year Spring

- a. Public Relations 377K
- b. Upper-division Business course
- c. Science and Technology, Part 1 or Part 2 Core
- d. Non-Advertising/Public Relations elective
- e. Upper-division non-Advertising/Public Relations elective

## Suggested Arrangement of Courses, Public Relations (BSPR)

First Year		Second Term		Summer Term	
First Term	Hours	Second Term	Hours	Summer Term	Hours
COM 301E (General Education)	3	ADV 318J (Major)		3 (None)	
P R 305 (Major)		3 P R 309 (Core, Major) <sup>020, QR</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 U.S. History (Core) <sup>060, CD</sup>		3	
RHE 306 (Core) <sup>010</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	

UGS 302 or 303 (Core) <sup>090</sup> , Wr	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
		Maymester (Opportunity)			
	15		15		0
<b>Second Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
J 317 (Major)	3	P R 353 (Major) <sup>E</sup>	3	Study Abroad (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	Business course (Major)	3	Internship (Opportunity)	
COM 302E (General Education)	3	GOV 312L (Core) <sup>070</sup>	3	UTLA/UTNY program (Opportunity)	
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		15		0
<b>Third Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
ADV 344K (Major)	3	MKT 320F (Major)	3	Study Abroad (Opportunity)	
P R 348 (Major) <sup>Wr</sup>	3	ADV 345J (Major) <sup>Wr</sup>	3	Internship (Opportunity)	
Business course (Major)	3	PR or ADV course (Major)	3	UTLA/UTNY program (Opportunity)	
Language/Culture course (General Education)	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Free elective (Elective) <sup>GC</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
P R 352 (Major)	3	P R 377K (Major) <sup>II</sup>	3	Internship (Opportunity)	
P R 367 (Major) <sup>Wr</sup>	3	Upper-division Business course (Major)	3		
P R 350 (Major)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Non-ADV/P R elective (Elective)	3		
Upper-division elective (Elective)	3	Upper-division Non- ADV/P R elective (Elective)	3		
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Radio-Television-Film

To be awarded the degree of Bachelor of Science in Radio-Television-Film, the candidate must complete 120 semester hours of coursework and must fulfill the University's [General Requirements](#) (p. 20) for graduation and the [Core Curriculum](#) (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, and Major Requirements, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Radio-Television-Film may also be counted toward the core curriculum.

### Prescribed Work

- Six semester hours of coursework focusing on communication foundations: Communication 301E and 302E.
- Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the Course Schedule. They may also be used to fulfill other degree requirements.
- Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with knowledge of a language other than English are encouraged to take appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.
- At least 36, but no more than 48, semester hours of radio-television-film as described in Major Requirements, below.
- Enough additional coursework to make a total of 120 semester hours.

### Major Requirements

At least 36 but no more than 48 semester hours of radio-television-film, of which at least 21 hours must be upper-division. All students must take Radio-Television-Film 307, 308, 317, and 318; nine upper-division hours chosen from the following: Radio-Television-Film 321C, 321D, 322D, 323C, 324C, 326C, 327C, 328C, 331K, 331P, 331Q, 335, 342, 342S, 345, 347C (Topic 1), 347F, 347P, 347S, 352, 359, 359C, 359S, 365, 368S (Topic 2), 370, 377H, 377S; and 15 additional hours of radio-television-film.

### Courses

Because prerequisites are subject to change, students should consult the [Course Schedule](#) before registering.

Most upper-division radio-television-film courses in production are restricted to radio-television-film majors.

The Department of Radio-Television-Film reserves the right to retain and to use for noncommercial purposes copies of all work completed by students as part of departmental course assignments.

## Order and Choice of Work

### First Year Fall

- Communication 301E
- Radio-Television-Film 307 or 308
- Social and Behavioral Science Core
- Rhetoric and Writing 306
- Undergraduate Studies 302 or 303

### First Year Spring

- Radio-Television-Film 307 or 308
- Math Core
- English 316L, 316M, 316N, or 316P
- 6 hours of a language other than English

### Second Year Fall

- Radio-Television-Film 317
- Communication 302E
- US History Core
- 6 hours of a language other than English

### Second Year Spring

- Radio-Television-Film 318
- Science and Technology, Part 1 Core
- US/TX Government Core
- Language/Culture course
- Elective

### Third Year Fall

- Upper-division RTF course
- Upper-division RTF Media Studies course
- US/TX Government Core
- Science and Technology, Part 1 Core
- Visual and Performing Arts Core

### Third Year Spring

- Upper-division RTF Media Studies course
- Upper-division RTF course
- Upper-division elective
- US History Core
- Science and Technology, Part 1 or Part 2 Core

### Fourth Year Fall

- Upper-division RTF Media Studies course
- Upper-division RTF course
- Upper-division elective
- Upper-division non-RTF elective
- Non-Moody elective

### Fourth Year Spring

- RTF course
- Upper-division RTF course

- Upper-division non-RTF elective
- Upper-division non-Moody elective
- Free Elective

## Suggested Arrangement of Courses, Radio-Television-Film (BSRTF)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
RTF 307 or 308 (Major)	3	RTF 307 or 308 (Major)		3 (None)	
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Mathematics (Core) <sup>020, QR</sup>		3	
RHE 306 (Core) <sup>010</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
COM 301E (General Education)	3	Foreign Language (General Education)		6	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Maymester (Opportunity)			
			15	15	0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
RTF 317 (Major)	3	RTF 318 (Major)		3 Study Abroad (Opportunity)	
COM 302E (General Education)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Internship (Opportunity)	
U.S. History (Core) <sup>060, CD</sup>	3	GOV 310L (Core) <sup>070</sup>		3 UTLA/UTNY Program (Opportunity)	
Foreign Language (General Education)	6	Language/Culture course (General Education)		3	
		Free elective (Elective) <sup>Wr</sup>		3	
			15	15	0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division RTF course (Major)	3	Upper-division RTF Media Studies (Major)		3 Study Abroad (Opportunity)	
Upper-division RTF Media Studies (Major)	3	Upper-division RTF course (Major)		3 Internship (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Upper-division elective (Elective) <sup>WR</sup>		3 UTLA/UTNY Program (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>		3	
Visual and Performing Arts (Core) <sup>050</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
			15	15	0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division RTF Media Studies (Major)	3	RTF course (Major)		3 Internship (Opportunity)	
Upper-division RTF course (Major)	3	Upper-division RTF course (Major) <sup>II</sup>		3	
Upper-division elective (Elective) <sup>GC</sup>	3	Upper-division Non-RTF elective (Elective)		3	
Upper-division Non-RTF elective (Elective) <sup>E</sup>	3	Upper-division Non-Moody elective (Elective)		3	

Non-Moody elective (Elective)	3 Free elective (Elective)	3	
	15	15	0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Speech, Language, and Hearing Sciences

To be awarded the degree of Bachelor of Science in Speech, Language, and Hearing Sciences, the candidate must complete 120 semester hours of coursework and must fulfill the University's [General Requirements](#) (p. 20) for graduation, the [Core Curriculum](#) (p. 23) requirements, the college graduation requirements, the requirements and policies listed in Academic Policies and Procedures, and the requirements given in Prescribed Work, and Major Requirements, below.

A candidate for a degree must have an officially declared major in the Moody College of Communication at the time the degree is awarded.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Speech, Language, and Hearing Sciences may also be counted toward the core curriculum.

### Prescribed Work

- Six semester hours of coursework focusing on communication foundations: Communication 301E and 302E.
- Three courses with a writing flag; one course with a quantitative reasoning flag; one course with a global cultures flag; one course with a cultural diversity in the United States flag; one course with an ethics flag; and one course with an independent inquiry flag. The same course cannot be used to satisfy the global cultures and cultural diversity flags even if the course carries both flags. Courses that fulfill flag requirements are identified in the Course Schedule. They may also be used to fulfill other degree requirements.
- Students must satisfy a language and culture requirement in one of the following ways: (a) Demonstrating intermediate proficiency in a single language other than English; (b) Demonstrating beginning-level proficiency in a language other than English and taking one approved culture course in a culture that is relevant to the language. A list of approved culture and language courses and combinations is posted on the Student Advising website. An extensive language testing program is available at the University. Students with

knowledge of a language other than English are encouraged to take appropriate tests both to earn as much credit as possible and to be placed at the proper level for further study. Students should consult with an academic advisor for information on testing.

- At least 39 (36 for students in education of the deaf/hearing-impaired) but no more than 54 semester hours of speech, language, and hearing sciences, as described in Major Requirements, below.
- Three semester hours of coursework in introductory statistics. Courses that fulfill this requirement include Educational Psychology 308, 371, Statistics and Data Sciences 301, 302F, 320E, 320H, 325H. Courses that fulfill this requirement may also be used to fulfill other degree, core curriculum, and flag requirements.
- Enough additional coursework to make a total of 120 semester hours.

## Special Emphases in Speech, Language, and Hearing Sciences

Students majoring in speech, language, and hearing sciences may specialize in speech/language pathology, audiology, or education of the deaf/hearing-impaired. After completing the necessary undergraduate coursework, they may seek the graduate degrees that are required for professional accreditation by the American Speech-Language-Hearing Association (for those in speech/language pathology and audiology) or the Council on Education of the Deaf (for those in education of the deaf/hearing-impaired). Students in speech/language pathology and audiology who wish to practice in Texas must be licensed by the Texas Department of State Health Services; those in education of the deaf/hearing-impaired must be certified by the Texas State Board for Educator Certification.

### Major Requirements

Students specializing in speech/language pathology or audiology must complete at least 39 semester hours of coursework in speech, language, and hearing sciences; those specializing in education of the deaf/hearing-impaired must complete at least 36 hours. No more than 54 semester hours of coursework in speech, language, and hearing sciences may be counted toward the degree. The course requirements for each track are as follows:

- Speech/language pathology: Speech, Language, and Hearing Sciences 306K, 308K, 311K, 312, 313L, 113P, 315S, 118L, 341, 350, 358, 158L, 367K, 371, and 373.
- Audiology: Speech, Language, and Hearing Sciences 306K, 308K, 311K, 312, 313L, 113P, 315S, 118L, 341, 350, 358, 158L, 367K, 371, and 373.
- Education of the deaf/hearing-impaired: Speech, Language, and Hearing Sciences 308K, 311K, 312, 313L, 113P, 118L, 331E, 341, 360M, 364, 367K, 373, and four hours of 175N

### Courses

Because prerequisites are subject to change, students should consult the [Course Schedule](#) before registering.

## Order and Choice of Work

### First Year Fall

- Speech, Language, and Hearing Sciences 308K
- Science and Technology, Part 1 Core
- Rhetoric and Writing 306
- Communication 301E
- Undergraduate Studies 302 or 303

## First Year Spring

- Speech, Language, and Hearing Sciences 306K
- 3 semester hours of coursework in introductory statistics (This course may also be used to satisfy the Core Curriculum math requirement, please check with your advisor)
- Science and Technology, Part 1 Core
- 6 hours in a language other than English

## Second Year Fall

- Speech, Language, and Hearing Sciences 313L and 113P
- Communication 302E
- US/TX Government Core
- 6 hours in a language other than English

## Second Year Spring

- Speech, Language, and Hearing Sciences 311K
- Speech, Language, and Hearing Sciences 312 and 118L
- US/TX Government Core
- Language/Culture course
- Elective

## Third Year Fall

- Speech, Language, and Hearing Sciences 315S
- Upper-division elective
- US History Core
- Science and Technology, Part 1 or Part 2 Core
- English 316L, 316M 316N, or 316P

## Third Year Spring

- Speech, Language, and Hearing Sciences 341
- Upper-division elective
- Upper-division elective
- US History Core
- Social and Behavioral Science

## Fourth Year Fall

- Speech, Language, and Hearing Sciences 350
- Speech, Language, and Hearing Sciences 358
- Visual and Performing Arts Core
- Upper-division elective
- Speech, Language, and Hearing Sciences 158L

## Fourth Year Spring

- Speech, Language, and Hearing Sciences 367K
- Speech, Language, and Hearing Sciences 371
- Speech, Language, and Hearing Sciences 373
- Upper-division elective
- Upper-division elective

# Suggested Arrangement of Courses, Speech, Language, and Hearing Sciences (BSSLH)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SLH 308K (Major) <sup>CD</sup>	3	SLH 306K (Major)	3	3 (None)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Statistics course (Core, Major) <sup>020,QR</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
COM 301E (General Education)	3	Foreign Language (General Education)	6		
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	Maymester (Opportunity)			
			<b>15</b>	<b>15</b>	<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SLH 313L & SLH 113P (Major) <sup>6C</sup>	4	SLH 311K (Major)	3	Study Abroad (Opportunity)	
COM 302E (General Education)	3	SLH 312 & SLH 118L (Major)	4	Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3	UTLA/UTNY Program (Opportunity)	
Foreign Language (General Education)	6	Language/Culture course (General Education)	3		
		Free elective (Elective) <sup>Wr</sup>	3		
			<b>16</b>	<b>16</b>	<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SLH 315S (Major)	3	SLH 341 (Major)	3	Study Abroad (Opportunity)	
Upper-division Elective course (Elective) <sup>Wr</sup>	3	Upper-division elective (Elective) <sup>E</sup>	3	Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	Upper-division elective (Elective)	3	UTLA/UTNY Program (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	U.S. History (Core) <sup>060</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
			<b>15</b>	<b>15</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SLH 350 (Major)	3	SLH 367K (Major) <sup>Wr</sup>	3	Internship (Opportunity)	
SLH 358 (Major)	3	SLH 371 (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	SLH 373 (Major)	3		
Upper-division elective (Elective) <sup>II</sup>	3	Upper-division Elective courses (Elective)	6		
SLH 158L (Major)	1				
			<b>13</b>	<b>15</b>	<b>0</b>
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

### Policy for Moody College Students

While a minor is not required as part of any communication degree program, students may choose to complete a minor in any field to which they gain entry. A student may declare only one minor or certificate to supplement the Moody major(s); exceptions must be approved by the student dean. Moody students must declare their minor/certificate intentions before they have completed 75% of their degree requirements, as indicated on the Interactive Degree Audit (IDA); exceptions must be approved by the student dean.

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor or certificate, including a comprehensive list of minors and certificates, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

## Minors

### Communicating for Development and Philanthropy Minor

The minor is open to all undergraduate students at The University of Texas at Austin who have an overall GPA of at least 2.5. The minor requires 18 hours of coursework, including at least nine hours completed in residence and nine hours taken at the upper-division level. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a grade of C- or better (or CR for courses offered only on a pass/fail basis) will be counted. If demand exceeds space available, the Moody College reserves the right to select students based on a review of their academic record.

The requirements are:

Requirements	Hours	
CLD 330	Philanthropy Capstone	3
CMS 306M	Professional Communication Skills	3
CMS 321D	Communicating for Development and Philanthropy	3
Three hours from the following:		3
ADV 305	Fundamentals of Advertising	
ADV 318J	Introduction to Integrated Brand Communication	
CMS 337	Building Sales Relationships	
MKT 320F	Foundations of Marketing	
MKT 337	Principles of Marketing	

Three hours from the following list, focusing on communicating about social issues:		3
ADV 320	Integrated Communication for Nonprofit Organizations	
ADV 322	Health Communication: Messages, Campaigns, and the Media	
ADV 323	Public Communication of Science and Technology	
ADV 324	Communicating Sustainability	
ADV 336	Multicultural Issues in Advertising and Public Relations (any topic)	
ADV 378	Advanced Studies in Advertising (Topic 37: Social Enterprise Branding)	
CMS 332K	Theories of Persuasion	
CMS 340K	Communication and Social Change	
CMS 340M	Social Media and Social Movement: Then and Now	
CMS 342K	Political Communication	
J 358S	Communicating Social Change	
RTF 301S	Social Activism in Film	
RTF 323C	Screening Race	
RTF 342	Topics in Global Media (Topic 8: Development Communication and Social Change)	
SLH 378D	Quality of Life in Clinical Care	

A three-hour internship course with a focus on development or philanthropy. <sup>1</sup>

1. Students must have their internship reviewed and approved by the faculty committee for the Minor in Communicating for Development and Philanthropy.

### Communicating Social Issues Minor

The minor is open to all undergraduate majors at The University of Texas at Austin and requires 15 semester hours of coursework. Nine hours must be taken at the upper-division level, and at least nine hours must be taken in residence. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a C- or better (or CR for courses offered only on a pass/fail basis) will be counted toward the minor. If demand exceeds space available, the Moody College reserves the right to select students based on a review of their academic record. Courses that appear in multiple lists may only be counted once.

The requirements for the minor are as follows:

Requirements	Hours	
COM 307	Overview of Social Justice and Media	3
COM 321	Communicating Social Justice Capstone	3
Nine additional hours to be chosen from the following:		9
ADV 320	Integrated Communication for Nonprofit Organizations	
ADV 322	Health Communication: Messages, Campaigns, and the Media	
ADV 323	Public Communication of Science and Technology	
ADV 324	Communicating Sustainability	

ADV 336	Multicultural Issues in Advertising and Public Relations (any topic)
CLD 301	Introduction to Communication and Leadership
CMS 338	Leadership Stories
CMS 338L	Leadership and Public Memory
CMS 340K	Communication and Social Change
CMS 342K	Political Communication
CMS 344K	Lying and Deception
CMS 354	Conflict Resolution
CMS 358C	Identity In Relationships
CMS 363P	Politics and Protest in Sports
CMS 364K	Gender and Communication
COM 316	Photographic Communication
COM 323	Communication Internship (Topic 2: Social Change Internship)
COM 327	Independent Study in Social Justice
J 301F	Fundamental Issues in Journalism
J 308S	Introduction to Media Studies
J 313P	Multimedia News Reporting
J 315R	Contemporary Representation in Media
J 322J	Reporting Social Justice
J 330L	Community Life: Documented
J 341F	Understanding African Americans and the Media
J 341J	Minorities and the Media
J 341M	Representation in the News Media
J 348D	Gender and the News
J 348M	Diversity in News Organizations
J 351F	Journalism, Society, and the Citizen Journalist
J 356R	Race and Digital Media Cultures
J 358S	Communicating Social Change
RTF 301S	Social Activism in Film
RTF 307	Media and Society
RTF 323C	Screening Race
RTF 328C	Gender and Media Culture
RTF 329C	Digital Media Production
RTF 335	Television Analysis and Criticism (Topic 2: Race, Class, and Gender in American Television)
RTF 335	Television Analysis and Criticism (Topic 4: Queer Television)
RTF 342	Topics in Global Media (Topic 8: Development Communication and Social Change)
RTF 345	Studies in Film History (Topic 8: Social Documentary)
RTF 345	Studies in Film History (Topic 9: Women Behind the Camera)
RTF 359	Studies in Media and Culture (Topic 8: Women and Sports Media)
RTF 359S	Studies in Media and Culture (Topic 5: Queer Media Studies)
RTF 359S	Studies in Media and Culture (Topic 9: Latina Feminisms and Media)

RTF 359S	Studies in Media and Culture (Topic 15: Black Television Comedy)
RTF 365	Topics in Media and Society (Topic 15: Latinx Media, Arts, and Activism )
SLH 314L	Sociocultural Bases of Communication

## Communication Studies Minor

This minor is open only to students who are not majoring in communication studies or communication and leadership. The minor requires 18 hours of coursework, including at least nine hours completed in residence, and at least nine hours completed at the upper-division level. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a grade of C- or better (or CR for courses offered only on a pass/fail basis) will be counted. Students must earn a 2.0 minimum GPA in courses counting toward the minor. The Department of Communication Studies reserves the right to limit the number of students accepted as communication studies minors.

The course requirements are as follows:

Requirements	Hours
CMS 306M Professional Communication Skills	3
CMS 315M Interpersonal Communication Theory	3

Twelve additional hours in Communication Studies (at least nine hours must be upper-division).

## Global Communication Minor

This minor is only open to students in the Moody College of Communication. At least nine hours must be completed in residence and at least six hours must be taken at the upper-division level. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Students must earn a grade of at least a C- (or CR for courses offered only on a pass/fail basis) in each course counted toward fulfillment of the minor requirements.

The minor requires 15 semester hours of coursework. The requirements are:

Requirements	Hours
COM 323 Communication Internship (Topic 3: Global Experience) <sup>1</sup>	3

Twelve hours of coursework selected from the list below:<sup>2</sup>

ADV 334	International Advertising
CMS 314L	Language, Communication, and Culture
CMS 323R	Rhetoric: East and West
CMS 355K	Intercultural Communication
J 328S	Reporting en Espanol
J 340F	Covering the Global Economy
J 340G	Reporting Asia: A Foreign Correspondent's Framework
J 340J	Documentary Tradition of Latin America
J 342G	Reporting the World: A Critical Examination of the United States News Media
J 345G	Human Rights Journalism

J 346G	Domestic Issues and Global Perspective
J 347F	Reporting Latin America
RTF 342	Topics in Global Media (Topic 1: National Media Systems)
RTF 342	Topics in Global Media (Topic 2: Comparative Media Systems)
RTF 342	Topics in Global Media (Topic 7: Global Media Systems)
RTF 342	Topics in Global Media (Topic 8: Development Communication and Social Change)
RTF 365	Topics in Media and Society (Topic 8: Migration and Media)
RTF 365	Topics in Media and Society (Topic 10: Globalization and Social Media)

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1. Or an approved substitution of study abroad coursework or internship coursework done while studying abroad.

2. Three hours may be substituted with experiential learning courses to be petitioned by the student for credit.

## Health Communication Minor

This minor is open to all students at The University of Texas at Austin. The Moody College reserves the right to limit the number of students accepted into this minor by instituting a competitive application process. Applicants may be judged on such factors as grade point average, prior coursework taken, prior experience in the field, and response to essay prompts.

The minor requires 16 semester hours of coursework including nine hours to be completed in residence. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a C- or better (or CR for courses offered only on a pass/fail basis) will be counted toward the minor. Courses that appear in multiple groupings may only be counted once. Students must fulfill the following requirements:

Requirements	Hours
COM 102 Introduction to Health Communication	1
Three hours of Interpersonal Communication:	3
CMS 330 Interpersonal Health Communication	
CMS 332 Argumentation and Advocacy	
CMS 332K Theories of Persuasion	
CMS 344K Lying and Deception	
CMS 358 Communication and Personal Relationships	
HDF 337 Personal Relationships	
HDF 266C & HDF 266L Guidance in Adult-Child Relationships and Guidance in Adult Child Relationships Lab <sup>1</sup>	
Three hours of Organizational Communication:	3
CMS 341 Digital Communications	
CMS 353S Social Media and Organizations	
CMS 357 Family Communication	
HDF 304 Family Relationships	
HDF 313 Child Development	

HDF 347	Socioeconomic Problems of Families
HDF 378L	Theories of Child and Family Development
N 310	Communication in Health Care Settings
SOC 308J	Romantic Relationships and Family Formation
S W 360K	Current Social Work Topics (Topic 4: Social Work Practice with Abused and Neglected Children and their Families)
Three hours of Population/Mass Media:	3
ADV 319	Psychology of Advertising
ADV 322	Health Communication: Messages, Campaigns, and the Media
AMS 370	Seminar in American Culture (Topic 1: American Cultural History of Alcohol and Drugs)
CMS 372T	Time Matters
ECO 325K	Health Economics
EDP 350G	Adolescent Development
EDP 350L	Human Sexuality
EDP 371	Introduction to Statistics
GOV 370V	The Politics of Health Care
GRG 334E	Children's Environmental Health
H S 301	Introduction to Health and Society
HDF 313	Child Development
HDF 371	Adolescent Development in Context
HDF 378K	Advanced Child and Family Development (Topic 6: Introduction to Early Childhood Interventions)
HED 329K	Child and Adolescent Health
HED 335	Theories of Substance Use and Abuse
HED 343	Foundations of Epidemiology
HIS 350R	Undergraduate Seminar in United States History (Topic 18: Women in Sickness and Health)
J 349F	Reporting Public Health and Science
KIN 334	Children's Exercise and Physical Activity
N 309	Global Health
NTR 330	Nutrition Education and Counseling
NTR 331	International Nutrition: Social and Environmental Policies
NTR 332	Community Nutrition
NTR 337	Principles of Epidemiology in Nutritional Sciences
NTR 338W	Issues in Nutrition and Health
NTR 365	Selected Topics in Nutritional Sciences (Topic 4: Obesity and Metabolic Health)
PBH 317	Introduction to Public Health
PBH 334	Global Health
PBH 338	Environmental Health
PBH 341R	Public Health Research



PBH 356	Health Behavior Theory and Practice
PBH 358D	Health Policy and Health Systems
PBH 361P	Public Health Internship
PHL 325M	Medicine, Ethics, and Society
PSY 319K	Social Psychology
PSY 339	Behavior Problems of Children
PSY 341K	Selected Topics in Psychology (Topic 4: Health Psychology)
PSY 352P	Psychopathology
PSY 364M	Mental Illness and the Brain
S W 334	Social Work Practice in Organizations and Communities
S W 360K	Current Social Work Topics (Topic 9: Loss and Grief: Individual and Family Perspectives)
SOC 307P	Introduction to the Sociology of Health and Well-Being
SOC 321G	Global Health Issues and Health Systems
SOC 354K	Sociology of Health and Illness
SDS 302F	Foundations of Data Analysis
URB 328S	Human Behavior and Social Environment
WGS 301	Introductory Topics in Women's and Gender Studies (Topic 20: Fertility and Reproduction)
WGS 301	Introductory Topics in Women's and Gender Studies (Topic 21: Gender, Race, and Class in American Societies)
WGS 322C	Sociology of Gender
WGS 345	Topics in Women's and Gender Studies (Topic 35: Psychosocial Issues in Women's Health)

Six additional upper-division hours from the above areas. 6  
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1. Courses must be taken concurrently; only three hours of coursework will count towards the minor.

## Journalism and Media Minor

In order to apply for a Journalism and Media Minor, a student must have completed Journalism 301F and earned at least a C-. The School of Journalism and Media reserves the right to limit the number of students accepted as Journalism and Media minors. If demand exceeds space available, students will be selected based on a review of their academic record, particularly performance in Journalism 301F. At least 12 hours must be taken in residence and for a letter grade (no pass/fail). Students must earn a C- or better in Journalism 301F, and 302F or 313P.

The minor requires 15 hours of coursework, including at least six upper-division hours. Students must fulfill the following requirements:

Requirements	Hours
J 301F	Fundamental Issues in Journalism 3
J 302F or J 313P	Digital Storytelling Basics Multimedia News Reporting 3
Nine additional hours from the following:	9
J 308D	Data, Privacy, and You
J 308F	Analyzing Media Bias

J 330J	Advanced Photo Editing and Design
J 330L	Community Life: Documented
J 330S	International Solutions Journalism
J 331M	Media Innovation and Entrepreneurship
J 334N	Oral History in Multimedia Storytelling
J 334S	Place and Audio Storytelling
J 336F	Social Media Journalism
J 341J	Minorities and the Media
J 341M	Representation in the News Media
J 348M	Diversity in News Organizations
J 349E	Elections, Voters, and News
J 349L	News Literacy for a Digital Age
J 349N	News Media and Politics
J 350M	Media Policy and Ethics
J 350N	Ethnic Media
J 351C	Contemporary Media Systems
J 351G	Introduction to Global Media
J 351J	Technology and the Internet in Journalism
J 351P	Social Media, Propaganda, and Elections
J 351S	Globalization and Social Media
J 351T	Technology and Culture
J 354M	Journalism and Press Freedom in the Middle East and North Africa
J 355G	The Information Society
J 355M	Media Industries and Entrepreneurship
J 355P	The Business of News
J 356C	Digital Mainland China and Taiwan
J 356G	Social Media: Growth, Uses, and Impacts
J 356M	Social Media and Society
J 356R	Race and Digital Media Cultures
J 358C	Becoming Citizen Journalists
J 358S	Communicating Social Change
J 359M	Topics in Journalism and Media Studies (any topic)
J 359S	Topics in Current Journalistic Issues (any topic)

## Latino Media Arts & Studies Minor

The Latino Media Arts & Studies Minor is open to all undergraduate students at The University of Texas at Austin. The minor requires 18 hours of coursework, including at least nine hours completed in residence. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Courses that appear in multiple lists may only be counted once. Only courses with a grade of C- or better (or CR for courses offered only on a pass/fail basis) will be counted.

Students must fulfill the following requirements:

Requirements	Hours
RTF 306 or RTF 307	Introduction to World Cinema History Media and Society 3

RTF 323C	Screening Race	3
or		
RTF 335	Television Analysis and Criticism (Topic 2: Race, Class, and Gender in American Television)	
or		
RTF 359S	Studies in Media and Culture (Topic 8: Latina/os and U.S. Media)	
Six hours of upper-division coursework chosen from the following:		6
ADV 334	International Advertising	
J 328S	Reporting en Espanol	
J 334F	Oral History as Journalism	
J 334N	Oral History in Multimedia Storytelling	
J 341J	Minorities and the Media	
J 347F	Reporting Latin America	
J 351G	Introduction to Global Media	
J 354F	Journalism and Press Freedom in Latin America	
J 354L	Mapping Latino Culture in East Austin	
J 356R	Race and Digital Media Cultures	
RTF 322D	Film History 1960 to Present	
RTF 335	Television Analysis and Criticism (Topic 2: Race, Class, and Gender in American Television)	
RTF 342	Topics in Global Media (Topic 7: Global Media Systems)	
RTF 342S	Topics in Global Media (Topic 1: Global Hollywood)	
RTF 345	Studies in Film History (Topic 3: History of Mexican Cinema)	
RTF 359S	Studies in Media and Culture (Topic 8: Latina/os and U.S. Media)	
RTF 359S	Studies in Media and Culture (Topic 9: Latina Feminisms and Media)	
RTF 359S	Studies in Media and Culture (Topic 14: Latino Images in Film)	
RTF 359S	Studies in Media and Culture (Topic 17: Chicana/o Cinema)	
RTF 359S	Studies in Media and Culture (Topic 18: Latina Filmmakers in the United States)	
RTF 365	Topics in Media and Society (Topic 8: Migration and Media)	
RTF 365	Topics in Media and Society (Topic 15: Latinx Media, Arts, and Activism)	
RTF 366K	Introductory Production (Topic 4: East Austin Stories)	

Six additional hours of upper- or lower-division coursework in the Department of Mexican American & Latina/o Studies or in the Teresa Lozano Long Institute of Latin American Studies. 6

## Leadership in Global Sustainability Minor

The Leadership in Global Sustainability Minor is sponsored by the McCombs School of Business and the Moody College of Communication; it is administered by the McCombs School of Business. Information

regarding the specific requirements of the minor can be found in the McCombs School of Business's [Minor and Certificate Programs](#) (p. ) section of the Undergraduate Catalog.

## Media and Entertainment Industries Minor

This program is open only to students who are not majoring in radio-television-film. Applicants must have a 2.5 cumulative grade point average. The Radio-Television-Film Department reserves the right to limit the number of students accepted as media and entertainment industries minors. If demand exceeds space available, students will be selected based on such factors as GPA, prior coursework taken, prior experience in the field, and response to essay prompts. Acceptance into the minor does not come with preference or guarantee of a seat in any RTF course.

The minor requires 15 hours of coursework, with at least nine hours being upper-division and at least nine hours completed in residence. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a C- or better (or CR for courses offered only on a pass/fail basis) will be counted toward the minor.

Courses that appear in multiple lists may only be counted once. Only three hours of internship coursework may count toward the minor. No more than six hours of non-internship coursework taken during the Semester in Los Angeles Program or the Semester in New York Program may be counted toward the minor.

Students must take the following coursework:

Requirements	Hours
Three hours from the following:	3
RTF 303C	Introduction to Media and Entertainment Industries
RTF 347P	The Business of Hollywood
Three hours from the following:	3
RTF 303C	Introduction to Media and Entertainment Industries
RTF 330N	Internship in Media Industries
RTF 347P	The Business of Hollywood
RTF 350L	Semester in Los Angeles Internship
RTF 650L	Semester in Los Angeles Internship
RTF 650N	Semester in New York Internship
RTF 367K	Producing Film and Television
Nine hours from the following:	9
F A 346	Inside the Arts of New York City
RTF 303C	Introduction to Media and Entertainment Industries
RTF 308	Development of Film and Media
RTF 321C	History of American Television
RTF 324C	Introduction to Global Media
RTF 331K	Film, Video, and Television Theory (Topic 8: Transmedia Storytelling)
RTF 331P	Topics in New Communication Technologies (Topic 3: Internet Cultures)
RTF 331P	Topics in New Communication Technologies (Topic 5: Digital Media Platforms)
RTF 331P	Topics in New Communication Technologies (Topic 6: Video Game Industry)

RTF 335	Television Analysis and Criticism (Topic 3: Contemporary Television Criticism)
RTF 342	Topics in Global Media (Topic 10: Digital Mainland China and Taiwan)
RTF 342S	Topics in Global Media (Topic 1: Global Hollywood)
RTF 345	Studies in Film History (Topic 14: Documentary and Creative Non-Fiction)
RTF 347C	The Business of Media (Topic 1: Semester in Los Angeles: How Hollywood Works)
RTF 347C	The Business of Media (Topic 2: Introduction to the Music Business)
RTF 347D	Media Industries (any topic)
RTF 347G	Topics in Media Industries with Screening (any topic)
RTF 347P	The Business of Hollywood
RTF 348	Studies in Media Industries (Topic 1: Semester in Los Angeles: Telling and Selling the Story)
RTF 348	Studies in Media Industries (Topic 3: Semester in Los Angeles: Inside the Music Industry)
RTF 348	Studies in Media Industries (Topic 4: Semester in Los Angeles: New Media and Emerging Entertainment)
RTF 359	Studies in Media and Culture (Topic 3: Asian American Media Cultures)
RTF 365	Topics in Media and Society (Topic 9: Media Industries and Entrepreneurship)
RTF 367K	Producing Film and Television
RTF 377H	Advanced Topics in Media Studies (Topic 1: Media and Popular Culture)
RTF 377H	Advanced Topics in Media Studies (Topic 3: Global Sports Media)

## Media Studies Minor

This minor is open only to students who are not majoring in radio-television-film. Applicants must have a 2.5 cumulative grade point average. The Radio-Television-Film Department reserves the right to limit the number of students accepted as media studies minors. If demand exceeds space available, students will be selected based on a review of the applicant's academic record. Acceptance into the minor does not come with preference or guarantee of a seat in any RTF course.

The minor requires 15 hours of coursework, including at least nine hours completed in residence. Courses that appear in multiple groupings may only be counted once. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a C- or better (or CR for courses offered only on a pass/fail basis) will be counted toward the minor.

Production and screenwriting courses offered in the Radio-Television-Film Department do not count toward the Media Studies Minor.

Students must take the following coursework:

Requirements		Hours
Three hours from the following:		3
RTF 306	Introduction to World Cinema History	
RTF 307	Media and Society	
RTF 308	Development of Film and Media	
Six hours from the following:		6
RTF 301N	Introductory Topics in Radio-Television-Film (any topic) <sup>1</sup>	
RTF 317	Narrative Strategies and Media Design	
RTF 321C	History of American Television	
RTF 321D	Film History to 1960	
RTF 322D	Film History 1960 to Present	
RTF 323C	Screening Race	
RTF 324C	Introduction to Global Media	
RTF 328C	Gender and Media Culture	
RTF 331P	Topics in New Communication Technologies (Topic 3: Internet Cultures)	
Six hours from the following:		6
RTF 321C	History of American Television	
RTF 321D	Film History to 1960	
RTF 322D	Film History 1960 to Present	
RTF 323C	Screening Race	
RTF 324C	Introduction to Global Media	
RTF 328C	Gender and Media Culture	
RTF 331K	Film, Video, and Television Theory (any topic)	
RTF 331P	Topics in New Communication Technologies (any topic)	
RTF 331Q	Topics in Digital Media (any topic)	
RTF 335	Television Analysis and Criticism (any topic)	
RTF 342	Topics in Global Media (any topic)	
RTF 342S	Topics in Global Media (any topic)	
RTF 345	Studies in Film History (any topic)	
RTF 347P	The Business of Hollywood	
RTF 352	Global Media and Area Studies (any topic)	
RTF 359	Studies in Media and Culture (any topic)	
RTF 359S	Studies in Media and Culture (any topic)	
RTF 365	Topics in Media and Society (any topic)	
RTF 368S	Undergraduate Thesis (Topic 2: Media Studies Thesis)	
RTF 370	Film Analysis and Criticism (any topic)	
RTF 377H	Advanced Topics in Media Studies (any topic)	
RTF 377S	Advanced Topics in Media Studies with Screenings (any topic)	
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1. No more than three hours of Radio-Television-Film 301N may count toward the minor.

## Professional Sales and Business Development Minor

The Professional Sales and Business Development Minor is sponsored by the McCombs School of Business and the Moody College of Communication; it is administered by the McCombs School of Business. Information regarding the specific requirements of the minor can be found in the McCombs School of Business's [Minor and Certificate Programs](#) (p. ) section of the Undergraduate Catalog.

## Science Communication Minor

This minor is open only to students with majors in the College of Natural Sciences or the Moody College of Communication. To declare the Science Communication Minor, a student must have at least a 2.5 cumulative grade point average. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a C- or better (or CR for courses offered only on a pass/fail basis) will be counted toward the minor.

Courses that appear in multiple lists may only be counted once. The minor requires 18 semester hours of coursework. At least nine hours must be taken at the upper-division level and at least nine hours must be taken in residence.

The minor requirements are:

Requirements	Hours
ADV 323 Public Communication of Science and Technology	3
Three hours of Foundations courses:	3
ADV 305 Fundamentals of Advertising	
ADV 324 Communicating Sustainability	
CMS 306M Professional Communication Skills	
CMS 313M Organizational Communication	
CMS 315M Interpersonal Communication Theory	
CMS 332K Theories of Persuasion	
CMS 334K Nonverbal Communication	
CMS 342K Political Communication	
CMS 345 Media Effects and Politics	
J 301F Fundamental Issues in Journalism	
P R 305 Fundamentals of Public Relations	
Three hours of Skills courses:	3
CMS 316L Interviewing Principles and Practices	
CMS 320 Advanced Presentation Skills	
CMS 337 Building Sales Relationships	
CMS 345G Communicating to Government	
CMS 350C Crowds, Clouds, and Community	
CMS 353S Social Media and Organizations	
CMS 372K Advanced Organizational Communication	
COM 308 Creative Communication of Scientific Research	
COM 323 Communication Internship (Topic 4: Science Communication Internship)	
J 313P Multimedia News Reporting	
J 336F Social Media Journalism	
J 346F Reporting on the Environment	
Three hours of Ethics and Leadership courses:	3

CLD 301	Introduction to Communication and Leadership
CMS 322E	Communication Ethics
CMS 332	Argumentation and Advocacy
CMS 338	Leadership Stories
CMS 344K	Lying and Deception
CMS 353C	Communication for Innovation
Six additional hours of coursework chosen from the Foundations, Skills, and Ethics and Leadership course lists.	6

## Sports Media Minor

The minor requires 18 semester hours of coursework. Nine hours must be taken at the upper-division level and at least nine hours must be taken in residence. All courses must be taken for a letter grade, unless the course is only offered on the pass/fail basis. Only courses with a C- or better (or CR for courses offered only on a pass/fail basis) will be counted toward the minor. Courses that appear in multiple lists may only be counted once, unless topics vary.

The requirements are:

Requirements	Hours
ADV 378S Special Topics in Sports Media (Topic 13: The Business of Sports Television)	3
or ADV 348S The Business of Sports Media	
CMS 363C Communication and Sports	3
Twelve hours of coursework to be selected from:	12
ADV 378S Special Topics in Sports Media (up to six hours may be counted)	
AFR 352E African Americans in Sports	
CMS 363P Politics and Protest in Sports	
J 326F Reporting Sports	
KIN 347 Historical and Ethical Issues in Physical Culture and Sports	
KIN 350 Sociological Aspects of Sport and Physical Activity	
KIN 352K Studies in Human Movement: Topical Studies (Topic 3: Women and Sport) <sup>1</sup>	
KIN 352K Studies in Human Movement: Topical Studies (Topic 5: Sport, Fitness, and Mass Media) <sup>1</sup>	
KIN 352K Studies in Human Movement: Topical Studies (Topic 31: Sport, Society, and the International Olympic Movement) <sup>1</sup>	
KIN 352K Studies in Human Movement: Topical Studies (Topic 32: History of Physical Culture) <sup>1</sup>	
KIN 354 Sport and Event Marketing	
KIN 355 Media and Public Relations in Sport	
RTF 359 Studies in Media and Culture (Topic 8: Women in Sports Media)	

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1. No more than six semester hours of Kinesiology 352K may be counted.

## Certificates

The Moody College of Communication does not offer any certificate programs. To see a full list of certificates offered at the University, please see [The University](#) (p. ) section of the *Undergraduate Catalog*.

## Courses for Teacher Preparation

The college does not currently offer a teaching certification program for any of its degrees. Students who wish to pursue teacher certification should consult the teacher certification officer in the College of Education.

## Courses, Moody College of Communication

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the college level: [Communication \(COM\)](#) and [Communication and Leadership \(CLD\)](#).

For courses offered by each department within the Moody College of Communication, please see the corresponding department page in the following sections.

## Courses, Stan Richards School of Advertising and Public Relations

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Stan Richards School of Advertising and Public Relations: [Advertising \(ADV\)](#) and [Public Relations \(P.R.\)](#).

## Courses, Department of Communication Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Communication Studies: [Communication Studies \(CMS\)](#).

## Courses, School of Journalism and Media

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Journalism and Media: [Journalism \(J\)](#).

## Courses, Department of Radio-Television-Film

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Radio-Television-Film: [Radio-Television-Film \(RTF\)](#).

## Courses, Department of Speech, Language, and Hearing Sciences

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Speech, Language and Hearing Sciences: [Speech, Language, and Hearing Sciences \(SLH\)](#).

## Moody College of Communication Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Cassandre G Alvarado, Professor of Practice  
Stan Richards School of Advertising and Public Relations and  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 2004

Miguel A Alvarez, Assistant Professor of Practice  
Department of Radio-Television-Film  
MFA, University of Texas at Austin, 2009

Rosental C Alves, Professor  
Knight Chair in Journalism  
School of Journalism and Media  
BA, Universidade Federal do Rio de Janeiro, 1976

Kristy Armer, Clinical Assistant Professor  
Department of Speech, Language, and Hearing Sciences  
MS, Texas Tech University Health Sciences Center, 1996

Tracy L Arrington, Lecturer  
Stan Richards School of Advertising and Public Relations  
BA, University of Texas at Austin, 1997

Lucy Atkinson, Associate Professor  
Stan Richards School of Advertising and Public Relations and Center for  
Women's and Gender Studies  
PhD, University of Wisconsin-Madison, 2009

Dawna Ballard, Associate Professor  
Department of Communication Studies  
PhD, University of California-Santa Barbara, 2002

Brendon Herbert Bankey, Assistant Professor of Instruction  
Department of Communication Studies  
MA, Wake Forest University, 2013

Micah Robert Barber, Assistant Professor of Practice  
Department of Radio-Television-Film  
MFA, University of Texas at Austin, 2011

Joshua Ben Barbour, Associate Professor  
Department of Communication Studies  
PhD, University of Illinois at Urbana-Champaign, 2006

Benjamin L Bays, Associate Professor of Instruction  
Department of Radio-Television-Film  
BA, University of Texas at Austin, 1998

Tamara A Bell, Lecturer  
Stan Richards School of Advertising and Public Relations and School of  
Journalism and Media  
Stan Richards School of Advertising and Public Relations and School of  
Journalism and Media  
PhD, University of Texas at Austin, 2004

Mary C Beltran, Associate Professor  
Department of Radio-Television-Film, Center for Mexican American  
Studies, and Center for Women's and Gender Studies  
PhD, University of Texas at Austin, 2002

Lisa Bennett, Lecturer  
Stan Richards School of Advertising and Public Relations

BSAdv, University of Texas at Austin, 1988

Charles E Berg, Professor

Joe M. Dealey, Sr. Professorship in Media Studies

Department of Radio-Television-Film and Center for Mexican American Studies

PhD, University of Texas at Austin, 1987

Jay Michael Bernhardt, Professor

Walter Cronkite Regents Chair in Communication

Moody College of Communication, Department of Communication Studies, and Stan Richards School of Advertising and Public Relations  
PhD, University of North Carolina at Chapel Hill, 1999

Bobby Blanchard, Lecturer

School of Journalism and Media

BS, University of Texas at Austin, 2015

Mary A Bock, Associate Professor

School of Journalism and Media, Center for Women's and Gender Studies, and Department of Communication Studies

PhD, University of Pennsylvania, 2009

James L Bosiljevac, Lecturer

Stan Richards School of Advertising and Public Relations

MSAdv, Virginia Commonwealth University, 2000

Katie Elizabeth Bradford, Lecturer

Department of Communication Studies

PhD, University of Texas at Austin, 2020

Laura F Bright, Associate Professor

Stan Richards School of Advertising and Public Relations

PhD, University of Texas at Austin, 2008

Laura Elizabeth Brown, Assistant Professor of Practice

Department of Communication Studies

PhD, University of Texas at Austin, 2015

Leigh Muzslay Browne, Lecturer

Stan Richards School of Advertising and Public Relations

MA, University of Texas at Austin, 2011

Barry Brummett, Professor

Charles Sapp Centennial Professorship in Communication

Department of Communication Studies

PhD, University of Minnesota-Twin Cities, 1978

James Martin Bunting, Lecturer

Stan Richards School of Advertising and Public Relations

BS, University of Texas at Austin, 1985

Andrew Lee Butters, Associate Professor of Practice

School of Journalism and Media

MS, Columbia University in the City of New York, 2003

Michael Butterworth, Professor

Department of Communication Studies

PhD, Indiana University at Bloomington, 2006

Courtney T Byrd, Professor

Dale and Tina Holder Endowed Chair in Stuttering Leadership

Department of Speech, Language, and Hearing Sciences

PhD, Vanderbilt University, 2003

Julia Campbell, Assistant Professor

Department of Speech, Language, and Hearing Sciences

PhD, University of Colorado at Boulder, 2015

Angela A Carey, Clinical Assistant Professor

Department of Speech, Language, and Hearing Sciences

AuD, Pennsylvania College of Optometry, 2009

Robert W Carroll, Assistant Professor of Instruction

Department of Communication Studies

PhD, University of Texas at Austin, 2018

Craig A Champlin, Professor

Lillie Hage Jamail Centennial Professorship

Department of Speech, Language, and Hearing Sciences

PhD, University of Kansas Main Campus, 1987

Gina Chen, Associate Professor

School of Journalism and Media

PhD, Syracuse University Main Campus, 2012

Wenhong Chen, Associate Professor

School of Journalism and Media, Department of Radio-Television-Film, and Department of Sociology

PhD, University of Toronto, 2007

Hsiang Chyi, Associate Professor

School of Journalism and Media

PhD, University of Texas at Austin, 1999

Erica Ciszek, Assistant Professor

Stan Richards School of Advertising and Public Relations

PhD, University of Oregon, 2014

Kathryn C Clapsaddle, Assistant Professor of Practice

Department of Speech, Language, and Hearing Sciences

MS, Texas Tech University Health Sciences Center, 1999

Toph D Clarke, Lecturer

Stan Richards School of Advertising and Public Relations

MFA, Academy of Art University, 2005

Geoffrey A Coalson, Clinical Associate Professor

Department of Speech, Language, and Hearing Sciences

PhD, University of Texas at Austin, 2013

Renita Beth Coleman, Professor

School of Journalism and Media

PhD, University of Missouri - Columbia, 2001

Jessica R Collier, Lecturer

Department of Communication Studies

PhD, University of Texas at Austin, 2021

Martin R Cox, Professor of Instruction

Department of Communication Studies

MA, University of Texas at Austin, 1994

Katherine E Craft, Lecturer

Department of Radio-Television-Film

MFA, University of Texas at Austin, 2017

Isabella C Cunningham, Professor

Stan Richards Chair in Advertising and Public Relations Strategy

Stan Richards School of Advertising and Public Relations

PhD, Michigan State University, East Lansing, 1972

Joe H Cutbirth, Assistant Professor of Instruction

Department of Communication Studies

PhD, Columbia University in the City of New York, 2011

Natalie Marie Czimskey, Assistant Professor of Instruction

Department of Speech, Language, and Hearing Sciences

MA, University of Texas at Austin, 2011

Tracy S Dahlby, Professor  
Frank A. Bennack, Jr. Chair in Journalism  
School of Journalism and Media  
AM, Harvard University, 1976

Rene M Dailey, Professor  
Department of Communication Studies  
PhD, University of California-Santa Barbara, 2005

James A Dalthorp, Lecturer  
Stan Richards School of Advertising and Public Relations  
BFA, University of Texas at Austin, 1979

John A Daly, Professor  
Texas Commerce Bancshares, Inc. Centennial Professorship in Business  
Communication, Frank A. Liddell, Sr. Centennial Professorship in  
Communication  
Department of Management and Department of Communication Studies

PhD, Purdue University Main Campus, 1977

Dennis C Darling, Professor  
School of Journalism and Media  
MFA, School of the Art Institute of Chicago, 1973

Diana Dawson, Assistant Professor of Instruction  
School of Journalism and Media  
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Katherine Winkler Dawson, Professor of Practice  
School of Journalism and Media  
MS, Columbia University in the City of New York, 2003

Donna De Cesare, Associate Professor  
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MPhil, University of Essex, 1979

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Stan Richards School of Advertising and Public Relations  
PhD, The University of Alabama, 2014

Michael L Dezso, Lecturer  
Stan Richards School of Advertising and Public Relations  
BS, University of Texas at Austin, 1995

Lisa Z Dobias, Associate Professor of Practice  
Stan Richards School of Advertising and Public Relations  
BSAdv, University of Texas at Austin, 1989

Erin Eileen Donovan, Associate Professor  
Department of Communication Studies and College of Pharmacy  
PhD, University of Illinois at Urbana-Champaign, 2008

Minette E Drumwright, Associate Professor  
William David Blunk Memorial Professorship  
Stan Richards School of Advertising and Public Relations and  
Department of Business, Government and Society  
PhD, University of North Carolina at Chapel Hill, 1986

Anthony David Dudo, Associate Professor  
Stan Richards School of Advertising and Public Relations  
PhD, University of Wisconsin-Madison, 2011

Matthew S Eastin, Professor  
Stan Richards School of Advertising and Public Relations  
PhD, Michigan State University, East Lansing, 2001

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Rebecca Feferman, Lecturer  
Stan Richards School of Advertising and Public Relations  
BAPsy, University of Michigan-Ann Arbor, 2003

Drew Ferrante, Lecturer  
Department of Radio-Television-Film  
BA, University of Massachusetts Lowell, 1990

John F Fiege, Lecturer  
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MFA, University of Texas at Austin, 2006

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Caroline J Frick, Associate Professor  
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PhD, University of Texas at Austin, 2005

Kathryn Fuller, Professor  
William P. Hobby Centennial Professorship in Communication  
Department of Radio-Television-Film  
PhD, Johns Hopkins University, 1992

Shiv Ganesh, Professor  
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MS, Baylor University, 2011

Andrew S Garrison, Professor  
Department of Radio-Television-Film  
BA, Antioch University, 1974

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PhD, University of Rochester, 1993

Stephanie Marie Grasso, Assistant Professor  
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PhD, University of Minnesota-Twin Cities, 2002

Liberty Hamilton, Assistant Professor

Department of Speech, Language, and Hearing Sciences and  
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PhD, University of California-Berkeley, 2013

Roderick P Hart, Professor  
Allan Shivers Centennial Chair in Communication  
Department of Communication Studies and Department of Government  
PhD, Pennsylvania State University Park, 1970

Elin J Hartelius, Associate Professor  
Department of Communication Studies  
PhD, University of Texas at Austin, 2008

Kelsey Hatton, Clinical Assistant Professor  
Department of Speech, Language, and Hearing Sciences  
AuD, Vanderbilt University, 2013

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Stan Richards School of Advertising and Public Relations  
MA, University of Denver, 1970

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Neurology, and Moody College of Communication  
PhD, University of Arizona, 2009

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School of Journalism and Media  
MA, Stanford University, 1992

Madeleine Redlick Holland, Assistant Professor of Instruction  
Department of Communication Studies  
PhD, University of Texas at Austin, 2018

Christy B Hoppe, Lecturer  
School of Journalism and Media  
BA, University of Texas at Austin, 1978

Jeff R Hunt, Adjunct Assistant Professor  
Stan Richards School of Advertising and Public Relations  
BJ, University of Texas at Austin, 1984

Carrie Hutchins, Lecturer  
Department of Speech, Language, and Hearing Sciences  
MS, Western Kentucky University, 2005

Noah Isenberg, Professor  
George Christian Centennial Professorship  
Department of Radio-Television-Film  
PhD, University of California-Berkeley, 1995

Michael L Jann, Lecturer  
Department of Radio-Television-Film  
BS, University of Connecticut, 1980

Sharon E Jarvis, Professor  
Department of Communication Studies  
PhD, University of Texas at Austin, 2000

Jennifer L Johnson, Lecturer  
Department of Speech, Language, and Hearing Sciences  
MS, Texas State University, 2005

Thomas Jerrold Johnson, Professor  
Amon G. Carter, Jr. Centennial Professorship in Communication  
School of Journalism and Media  
PhD, University of Washington - Seattle, 1989

Jennifer L Jones Barbour, Associate Professor of Instruction

Department of Communication Studies  
PhD, University of Illinois at Urbana-Champaign, 2006

Corinne A Jones, Assistant Professor  
Department of Speech, Language, and Hearing Sciences and  
Department of Neurology  
PhD, University of Wisconsin-Madison, 2018

David S Junker, Associate Professor of Instruction  
Stan Richards School of Advertising and Public Relations  
PhD, University of Wisconsin-Madison, 2004

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Stan Richards School of Advertising and Public Relations  
BFA, Universidad Nacional Autonoma de Mexico, 1996

Stuart David Kelban, Associate Professor  
Department of Radio-Television-Film  
MFA, University of Virginia, 1989

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Stan Richards School of Advertising and Public Relations  
MA, University of South Florida, 2007

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Stan Richards School of Advertising and Public Relations  
PhD, Pennsylvania State University Park, 2012

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Houston Harte Centennial Professorship in Communication  
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PhD, Indiana University at Bloomington, 1987

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Stan Richards School of Advertising and Public Relations  
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Stan Richards School of Advertising and Public Relations  
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Department of Radio-Television-Film  
MFA, University of Texas at Austin, 2021

Rosemary Anne Lester-Smith, Assistant Professor  
Department of Speech, Language, and Hearing Sciences



PhD, University of Arizona, 2014

Anne Lewis, Professor of Practice  
Department of Radio-Television-Film  
BFA, School of Visual Arts, 2001

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Department of Radio-Television-Film  
MFA, University of Texas at Austin, 1995

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Stan Richards School of Advertising and Public Relations  
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Department of Radio-Television-Film  
MFA, University of Texas at Austin, 1994

Cynthia Lieberman, Lecturer  
Stan Richards School of Advertising and Public Relations  
MA, Fielding Graduate Institute, 2010

Jeffrey T Linwood, Lecturer  
School of Journalism and Media  
SM, University of Texas at Austin, 2007

Miranda K Lippold-Johnson, Assistant Professor of Practice  
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Stan Richards School of Advertising and Public Relations  
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School of Journalism and Media  
MA, Syracuse University Main Campus, 2015

Joel Lulla, Lecturer  
School of Law and Stan Richards School of Advertising and Public Relations  
JD, University of North Carolina at Chapel Hill, 1982

Michael S Mackert, Professor  
John P. McGovern Regents Professorship in Health and Medical Science  
Communication  
Stan Richards School of Advertising and Public Relations and  
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PhD, University of Wisconsin-Madison, 2003

Galit Marmor-Lavie, Lecturer  
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Department of Radio-Television-Film

PhD, University of Washington - Seattle, 2017

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BS, University of Texas at Austin, 1993

Cynthia Ann McCreery, Associate Professor  
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BA, University of California-Santa Barbara, 2000

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Stan Richards School of Advertising and Public Relations  
ALM, Harvard University, 2001

Christian C McDonald, Assistant Professor of Practice  
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BJ, University of Texas at Austin, 1989

Kathleen Oveta McElroy, Professor  
G. B. Dealey Regents Professorship in Journalism, Dan Rather  
Professorship in News and Guts  
School of Journalism and Media  
PhD, University of Texas at Austin, 2014

Matthew S McGlone, Professor  
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Gender Studies  
PhD, Princeton University, 1994

Claire Elizabeth McInerney, Lecturer  
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Roselia Mendez Murillo, Assistant Professor  
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Rachel Davis Mersey, Professor  
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School of Journalism and Media and Moody College of Communication  
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MA, University of Texas at Austin, 1987

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MSEd, State University of New York at New Paltz, 1996

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Stan Richards School of Advertising and Public Relations  
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PhD, University of Cambridge, 2008

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Center for Women's and Gender Studies and Department of Radio-  
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MS, University of Texas at Austin, 2006

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Department of Communication Studies  
PhD, University of California-Santa Barbara, 2005

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JD, Fordham University, 1996

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James A Michener Center for Writers and Department of Radio-  
Television-Film  
MFA, University of Texas at Austin, 2019

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BS, Texas State University, 1978

Korey A Pereira, Lecturer  
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BS, University of Texas at Austin, 2011

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PhD, University of Texas at Austin, 2004

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Stuart G Pollok, Lecturer  
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MFA, University of Southern California, 1993

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Stan Richards School of Advertising and Public Relations  
PhD, Louisiana State University and Agricultural and Mechanical College,  
2010

Charles P Quarterman, Lecturer  
School of Journalism and Media  
MA, University of Texas at Austin, 2006

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MA, University of Missouri - Columbia, 1999

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School of Journalism and Media

BA, Stephen F Austin State University, 1996

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Department of Communication Studies  
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Stan Richards School of Advertising and Public Relations  
BFA, Art Center College of Design, 1991

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Stephen D Reese, Professor  
Jesse H. Jones Professorship in Journalism  
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PhD, University of Wisconsin-Madison, 1982

Kaitlin E Reid, Lecturer  
Stan Richards School of Advertising and Public Relations  
BSPR, University of Texas at Austin, 2018

Erin Reilly, Professor of Practice  
Stan Richards School of Advertising and Public Relations  
MFA, Maine Media College, 2001

Scott F Rice, Associate Professor of Practice  
Department of Radio-Television-Film  
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PhD, University of North Carolina at Chapel Hill, 1998

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School of Journalism and Media  
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Stan Richards School of Advertising and Public Relations  
MBA, Mercy College, 2013

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Stan Richards School of Advertising and Public Relations  
BJ, University of Texas at Austin, 1985

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School of Journalism and Media and School of Law  
PhD, University of Florida, 2007

John Savage, Lecturer  
School of Journalism and Media and Department of Chemical  
Engineering  
MA, University of Texas at Austin, 2017

Nancy Schiesari, Professor

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MA, Royal College of Art, 1978

Mary Schmitt, Assistant Professor  
Department of Speech, Language, and Hearing Sciences  
PhD, Ohio State U Main Campus, 2013

David A Schneider, Lecturer  
Department of Radio-Television-Film  
MA, Temple University, 2014

Lawrence P Schooler, Lecturer  
Department of Communication Studies and Plan II Honors Program  
PhD, Nova Southeastern University, 2019

John R Schwartz, Professor of Practice  
School of Journalism and Media  
JD, University of Texas at Austin, 1984

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Stan Richards School of Advertising and Public Relations  
MBA, Emory University, 1999

Craig R Scott, Professor  
John T. Jones, Jr. Centennial Professorship in Communication  
Department of Communication Studies  
PhD, Arizona State University Main, 1994

Suzanne Scott, Associate Professor  
Department of Radio-Television-Film  
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Timothy Andrew Scott, Lecturer  
Stan Richards School of Advertising and Public Relations  
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PhD, University of California-Los Angeles, 2019

Adriana Serrano, Assistant Professor  
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MFA, City University of New York Brooklyn College, 2003

Andrew B Shea, Professor  
Ben F. Love Regents Professorship in Communication  
Department of Radio-Television-Film and Department of Theatre and Dance  
MA, California Institute of the Arts, 1985

Peter K Sherman, Lecturer  
Department of Communication Studies  
BS, University of Wyoming, 1986

Samantha Shorey, Assistant Professor  
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MA, University of Massachusetts, 2014

Dwain Y Smith, Associate Professor  
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Stacey K Sowards, Professor  
Mark L. Knapp Professorship in Communication Studies  
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PhD, University of Kansas Main Campus, 2001

Paul J Stekler, Professor  
Wofford Denius Chair in Entertainment Studies  
Lyndon B Johnson School of Public Affairs, Department of Radio-Television-Film, and Department of Government  
PhD, Harvard University, 1983

Keri K Stephens, Professor  
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Sascha Stone Guttfreund, Associate Professor of Practice  
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Joseph Straubhaar, Professor  
Amon G. Carter Centennial Professorship in Communication  
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PhD, Tufts University, 1981

Jurgen K Streeck, Professor  
Department of Communication Studies, Department of Anthropology, and Department of Germanic Studies  
PhD, Free University of Berlin, 1981

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E. M. "Ted" Dealey Professorship in the Business of Journalism  
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PhD, University of Pennsylvania, 2006

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PhD, Temple University, 2006

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Philip G. Warner Regents Professorship in Communication  
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Stan Richards School of Advertising and Public Relations  
PhD, University of Maryland Baltimore, 2007

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Department of Communication Studies  
PhD, Northwestern University, 2012

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Anita Varma, Assistant Professor  
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Heather Vaughn, Lecturer  
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MA, University of Mississippi, 2005

Victoria Gayle Villarreal, Lecturer  
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AuD, University of Texas at Austin, 2019

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Stan Richards School of Advertising and Public Relations  
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Department of Speech, Language, and Hearing Sciences and  
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PhD, University of Nebraska - Lincoln, 2011

Samuel C Watkins, Professor  
Ernest A. Sharpe Centennial Professorship in Communication  
School of Journalism and Media  
PhD, University of Michigan-Ann Arbor, 1994

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John A. Beck Centennial Professorship in Communication

Stan Richards School of Advertising and Public Relations  
PhD, Michigan State University, East Lansing, 1982

Lesley A Willard, Lecturer  
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PhD, University of Texas at Austin, 2020

Thomas Willett, Lecturer  
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MA, University of Texas at Austin, 1999

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MA, University of Texas at Austin, 2017

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MA, Claremont Graduate University, 2011

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School of Journalism and Media  
MS, Columbia University in the City of New York, 2000

## College of Education

Charles Martinez, PhD, Dean, College of Education

Beth Maloch, PhD, Senior Associate Dean

Alexandra Loukas, PhD, Associate Dean

for Research and Graduate Studies

Richard Hogeda, M.ED, Assistant Dean for Student Affairs

Angie Hoffman, Chief Business Officer

Stacey Oliver, MAT, Assistant Dean for Development

<https://education.utexas.edu>

## General Information

### Mission

The University of Texas at Austin, through the College of Education, is committed to the preparation of teachers and other educators who are dedicated to the employment and advancement of education for all people. In pursuing this mission, the College of Education performs several functions.

It is a professional school offering one teacher certification degree. The Bachelor of Science in Education allows students to pursue teacher certification for elementary (early childhood through grade six) ESL generalist, ESL bilingual generalist, all-level (early childhood through grade 12), or generic special education certification.

The college provides the professional sequence of education courses and serves as the certification agent for all University students pursuing certification to teach in Texas, whether they are enrolled in the College of Education or in another division of the University. See [Preparation for Teacher Certification](#) (p. 18) for more information. Accountability information for the teacher preparation program is given in the [General Information Catalog](#).

The college also offers programs that do not lead to teacher certification. These programs, in youth and community studies, athletic training, exercise science, health promotion and behavioral science, physical culture and sports, and sport management, are designed to meet the professional needs of public and private educational and community service agencies and to prepare students for advanced study.

As a unit of the Graduate School, the College of Education offers courses and curricula leading to advanced professional certificates and to

master's and doctoral degrees in education. It also provides in-service training and consulting services for those engaged in the educational professions.

Departments in the college offer courses in general education as well as in various specialties suitable for students pursuing vocational objectives other than teaching.

The college is also a center for research, experimentation, and a wide variety of direct services to school systems and other educational and public service enterprises.

## Facilities

The instructional and research programs of the College of Education are carried out in five buildings. The primary facility, the George I. Sánchez Building, contains classrooms, extensive computer facilities, electronic media resources, observation rooms, a learning technology center, a distance learning classroom, and faculty offices. Belmont Hall, the primary facility for the Department of Kinesiology and Health Education, houses classrooms, research and computer laboratories, gymnasium and locker facilities, racquet sport courts, and faculty offices. College of Education faculty members and programs are also housed in Gregory Gymnasium and the Lee and Joe Jamail Texas Swimming Center, and the North End Zone.

## Financial Assistance Available through the College

Scholarships as well as graduate fellowships and assistantships are available to students in the College of Education. Application for all undergraduate awards and some graduate awards should be made to the Office of the Dean, George I. Sánchez Building 2.110; graduate students should also inquire in their departmental offices. Generally, applications are accepted online in March for the following academic year.

## Student Services

The Office of the Dean of the College of Education provides a variety of student services, including maintenance of student records, academic counseling, certification counseling, and official evaluations of the student's academic standing and progress toward a degree. Students are encouraged to contact the office whenever they have questions about degree requirements, academic standing, teacher certification, general University regulations, or registration. The office is also a good source of general information and referral that students are urged to use when they have questions or problems of any nature.

## Academic Advising

The College of Education encourages all students to see their advisors at least once a semester for a comprehensive discussion of their programs. Academic advisors are available in George I. Sánchez Building 216.

## Education Career Engagement

The College of Education offers career services to assist University students in making informed career choices. Education Career Engagement makes job search materials, events, and counseling accessible to students on a regular basis. Information about these services is available at <https://education.utexas.edu/about/college-offices/career-services>.

As a complement to the assistance available from the college, the University's Sanger Learning Center and Texas Career Engagement provide comprehensive career services to all students. The centers offer professional assistance to all University students in choosing or

changing their majors or careers, seeking an internship, and planning for the job search or for graduate study.

## Student Organizations

The Education Council is the official channel for student participation in policy formulation and evaluation and in development of student activities in the college. Voluntary organizations in the college include the Bilingual Education Student Organization, the Texas Health Promotion Club, the Kinesiology Club, Longhorn Athletic Training Student Association, Minorities in Education, the Student Council for Exceptional Children, and Teachers of Tomorrow. Pi Lambda Theta, Phi Delta Kappa, and Kappa Delta Pi are honorary organizations for men and women.

## Student Programs

### Education Scholars

The Education Scholars program is for select students admitted to the College of Education at The University of Texas at Austin. Participation in the two-year program is by invitation only, with the aim to provide the benefits of a small college atmosphere while preparing students to become future leaders of the College of Education. For more information, see <https://education.utexas.edu/students/undergraduate-students/enhancing-your-degree/texas-education-scholars>.

## Admission and Registration

### Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

Information about admission to teacher preparation programs and to majors in the Department of Kinesiology and Health is available in the Office of the Dean, George I. Sánchez Building 2.110.

Admission to majors in kinesiology is restricted for internal transfer students. Students should see an advisor in the Office of the Dean, George I. Sánchez Building 2.110 for information.

### Admission to the Professional Development Sequence

All students seeking teacher certification must complete a sequence of professional development courses. Admission to the Professional Development Sequence is restricted. Space availability may be a factor in the admission decision, as well as academic performance, completion of prerequisite courses, documented evidence of proficiency in reading and in oral and written communication, and the number of hours the student needs, at the time of application, to complete the program.

For students seeking early childhood through grade six, all-level generic special education, or the Urban Teachers English [language arts and reading](#) or social studies certification, admission to the Professional Development Sequence is competitive and there is a specific University grade point average, as well as mandated grades in prerequisite courses required. Additionally, students seeking early childhood through grade six and all-level generic special education certification may only lack one class outside the sequence when they enter the Professional Development Sequence. To progress within the sequence, and to complete the sequence, the student must maintain a specific University grade point average and must earn the appropriate grade in each course in the sequence. Students are encouraged to speak to an advisor in the Office of the Dean, George I. Sánchez Building 2.110 for additional information about these requirements.

For students in other teacher certification programs, requirements for admission to and continuation in the Professional Development Sequence are set by the college in which the student majors.

## Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and the [General Information Catalog](#) are published on the registrar's [website](#).

## Academic Policies and Procedures

### Honors

#### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in the *General Information Catalog*.

#### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the *General Information Catalog*.

## Graduation

### Special Requirements of the College

All students must fulfill the [General Requirements](#) (p. 20) for graduation. In addition, students in the College of Education must be registered in the college either in residence or in absentia the semester or summer session the degree is to be awarded and must apply to the dean for the degree no later than the date specified in the official academic calendar. The student must have an official degree audit on file prior to applying for the degree.

### Applying for Graduation

Each student seeking a degree from the College of Education should apply for an official degree audit in the Student Dean's Office, George I. Sánchez Building 2.110. The degree audit is essential to ensure that the student meets all the degree requirements given in a catalog under which he or she is eligible to graduate.

In the final semester or summer session, a candidate for graduation must apply for the degree by the deadline given in the official academic calendar.

## Degrees and Programs

### In this section

#### General Requirements

- All College of Education students seeking teacher certification must complete the entire Professional Development Sequence of

coursework in residence. Residence credit includes only courses taken at the University; it does not include credit by examination, courses taken by extension or correspondence, or courses taken at another institution.

- State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.
- Except as otherwise indicated, credit by examination is treated like any other earned credit in meeting degree requirements.
- With the exception of credit earned by examination, each course counted toward the degree or toward certification requirements must be taken on the letter-grade basis, unless the course is offered only on the pass/fail basis.
- To graduate, all students must have a University grade point average of at least 2.00.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. Up to three semester hours of physical activity coursework may be counted as electives toward any College of Education degree. All physical activity courses are counted among courses for which the student is enrolled, and the grades are included in the grade point average.

### ROTC Courses

A maximum of 12 semester hours of credit in air force science, military science, or naval science may be used as free electives in any degree plan of the College of Education.

## Concurrent Enrollment and University Extension Courses

In the semester they plan to graduate, students may not take any course to be counted toward the degree at another institution or through University Extension; students who plan to graduate at the end of the summer session may request approval to take transfer work only in the first summer term.

## Curriculum and Instruction Coursework

Admission to the Professional Development Sequence of upper-division courses for teacher certification requires formal acceptance. Information about admission requirements is available from the Office of the Dean, George I. Sánchez Building 2.110.

## Teacher Certification

Please see the [Preparation for Teacher Certification](#) (p. 18).

## UTeach-Urban Teachers

UTeach-Urban Teachers is a teacher preparation program for students seeking secondary teacher certification in English language arts and reading or social studies. UTeach-Urban Teachers offers a three-semester program for undergraduate students, beginning the summer before their senior year, for students working towards a bachelor's degree in English, history, geography, government, economics, or other humanities disciplines. UTeach-Urban Teachers also offers a Masters of Education degree program with teacher certification for students seeking teacher certification while pursuing a masters. These programs are designed to help English language arts and reading and social studies teacher candidates develop knowledge, skills, and dispositions to support teaching and learning in linguistically and culturally diverse

urban settings. Program advising is housed in the College of Education. Information is available on the [UTeach-Urban Teachers website](#) and from the College of Education advising office.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

For students seeking secondary teacher certification in English language arts and reading:

Requirements		Hours
EDC 339E	Secondary School Literacy across the Disciplines	3
ALD 327	Sociocultural Influences on Learning	3
EDC 370S	Secondary School Subjects (Topic 1: Advanced Methods in English, Language Arts, and Reading)	3
EDC 351S	Secondary School Teaching Practicum	3
EDC 651S	Secondary School Teaching Practicum	6

For students seeking secondary teacher certification in social studies:

Requirements		Hours
EDC 339E	Secondary School Literacy across the Disciplines	3
ALD 327	Sociocultural Influences on Learning	3
EDC 370S	Secondary School Subjects (Topic 3: Advanced Methods in Social Studies)	3
EDC 351S	Secondary School Teaching Practicum	3
EDC 651S	Secondary School Teaching Practicum	6

## Bachelor of Science in Athletic Training

Students who plan to major in athletic training must be admitted to the Athletic Training Program (ATP). Admission is based on a competitive application process. The student's grade point average and completion of prescribed coursework are factors in the admission decision. Applicants must also participate in the Directed Observation Program, meet a set of technical standards, pass a health assessment/physical examination, provide proof of immunizations and vaccinations, submit letters of recommendation, and submit additional application documents. More information about the admission process and requirements is available from an academic advisor and at <http://www.edb.utexas.edu/education/departments/undergrad/at/atep/>.

In addition to completing the coursework associated with the athletic training major, students in the ATP must participate in clinical rotations and become adept in a set of educational competencies and clinical proficiencies. Students who plan to take the state licensure examination for athletic trainers must complete the ATP.

The curriculum for the degree has four components: (a) the University-wide core curriculum; (b) prescribed work; (c) major requirements; and

(d) electives. A total of at least 120 semester hours of coursework is required; at least 36 hours must be in upper-division courses.

## Core Curriculum

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the [Skills and Experience flags](#) (p. ).

- Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent. Kinesiology 346 carries a writing flag.
- Quantitative Reasoning: one flagged course. Kinesiology 320 carries a quantitative reasoning flag.
- Global cultures: one flagged course
- Cultural diversity in the United States: one flagged course.
- Ethics: one flagged course. Kinesiology 346 carries an ethics flag
- Independent Inquiry: one flagged course

In some cases, a course that is required for the Bachelor of Science in Athletic Training may also be counted toward the core curriculum; these courses are identified below. Courses used to fulfill flag requirements may also be used to fulfill other requirements.

## Prescribed Work

- Writing*: Three courses with a writing flag. These courses are identified in the [Course Schedule](#).
- Social science*
  - Psychology 301, which may also be counted toward the social and behavioral sciences requirement of the core curriculum.
- Mathematics*: Mathematics 305G or calculus. Mathematics 305G and several calculus courses may also be counted toward the mathematics requirement of the core curriculum.
- Natural science*: Many courses that fulfill this natural science requirement may also be counted toward the science and technology requirements of the core curriculum.
  - Biology 302F or 311C
  - Six hours of coursework in chemistry (301N and 302N, or 301 and 302), physics (302K and 302L, or 309K and 309L, or 317K and 317L), or physical science (303 and 304).
  - Kinesiology 330E, Kinesiology 352K (Topic 33: Nutrition: Exercise, Health, and Sport), Nutrition 306 or 312
- Classical Civilization 306M
- Foreign language*: In addition to the core curriculum requirements above, undergraduates are expected to have completed two years in a single foreign language in high school. Students without two years of high school foreign language coursework must earn credit for the second college-level course in a foreign language; **this credit does not count toward the student's degree**. Students can consult with their advisor and the degree requirements to determine whether additional foreign language requirements apply to them.

## Major Requirements

- The following courses:
  - Kinesiology 312 (Topic 2: *Care and Prevention of Athletic Injuries*)
  - Kinesiology 219K (Topic 3: *Introduction to Athletic Training*)
  - Kinesiology 424K, *Applied Human Anatomy*
  - Kinesiology 425K, *Physiology of Exercise*
  - Kinesiology 320, *Applied Biomechanics of Human Movement*; or Kinesiology 326K, *Biomechanical Analysis of Movement*
  - Kinesiology 341, *Therapeutic Modalities in Athletic Training*

- g. Kinesiology 342, *Clinical Evaluation of Athletic Injuries in the Lower Body*
  - h. Kinesiology 343, *Clinical Evaluation of Athletic Injuries in the Upper Body*
  - i. Kinesiology 344, *Therapeutic Exercise and Rehabilitation Techniques: Lower Body*
  - j. Kinesiology 344U, *Therapeutic Exercise and Rehabilitation: Upper Body*
  - k. Kinesiology 345, *General Medical Conditions in Athletic Training*
  - l. Kinesiology 346, *Athletic Training Program Administration*
  - m. Kinesiology 363, *Theory and Practice in Strength Coaching*
  - n. Kinesiology 140S, *Senior Seminar in Athletic Training*
- b. Students enrolled in the Athletic Training Program must complete a practicum course, determined by the faculty advisor, for each semester of their clinical rotations.
- c. Nine hours of coursework in kinesiology, health education, or allied health profession prerequisites.

	Writing flag course (Core) <sup>010</sup>	3			
	<b>14</b>	<b>16</b>			<b>0</b>
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
KIN 346		3 KIN 140S (Major)		1 (None)	
KIN 140G		1 KIN 140J (Major)		1	
U.S. History (Core) <sup>060</sup>		3 KIN/HED/Health Professions course (Major)		3	
KIN/HED/Health Profession courses (Major)		6 Free electives (Elective)		9	
Free elective (Free)	3				
	<b>16</b>		<b>14</b>		<b>0</b>
<b>Total credit hours: 122</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Education

Students may pursue the Bachelor of Science in Education with a major in education or a major in youth and community studies. The curriculum for the degree has four components:

- a. the University-wide core curriculum
- b. prescribed work for the Bachelor of Science in Education
- c. major requirements
- d. electives

Education majors choose one of three major focus areas which can lead to certification: early childhood through grade six ESL generalist, early childhood through grade six ESL bilingual generalist, or all-level generic special education.

The youth and community studies major has two professional concentrations that can lead to secondary teacher certification: Urban Teachers English language arts and reading and Urban Teachers social studies.

## Core Curriculum

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the [Skills and Experience flags](#) (p. ).

## Electives

Additional elective coursework may be required to provide the 120 semester hours required for the degree. Up to six hours of fieldwork may be counted toward the degree as electives. Up to three hours in physical education activity coursework (PED) may be counted as electives.

## Suggested Arrangement of Courses, Athletic Training (BSAthTrng)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 312 (Major)		3 KIN 219K (Major)		2 M 305G or 408K (Core) <sup>020</sup>	3
C C 306M (Major)		3 KIN 424K (Major)		4	
UGS 302 or 303 (Core) <sup>090,Wr</sup>		3 GOV 310L (Core) <sup>070</sup>		3	
RHE 306 (Core) <sup>010</sup>		3 CH 302 or 302N (Major)		3	
CH 301 or 301N (Major)	3				
	<b>15</b>		<b>12</b>		<b>3</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 341 (Major)		3 KIN 320 (Major)		3 Free elective (Elective)	3
KIN 140C (Major)		1 KIN 342 (Major)		3	
BIO 311C or 302F (Core) <sup>030</sup>		3 KIN 343 (Major)		3	
U.S. History (Core) <sup>060</sup>		3 KIN 140D (Major)		1	
PSY 301 (Core) <sup>080</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
Writing flag course (Core) <sup>010</sup>	3				
	<b>16</b>		<b>13</b>		<b>3</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 344 (Major)		3 KIN 345 (Major)		3 (None)	
KIN 344U (Major)		3 KIN 140F (Major)		1	
KIN 425K (Major)		4 KIN 330E (Major)		3	
KIN 363 (Major)		3 GOV 312L (Core) <sup>070</sup>		3	
KIN 140E (Major)		1 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	



- a. Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent. Applied Learning and Development 328 carries a writing flag.
- b. Quantitative Reasoning: one flagged course
- c. Global cultures: one flagged course
- d. Cultural diversity in the United States: one flagged course. Applied Learning and Development 327 carries a cultural diversity in the United States flag.
- e. Ethics: one flagged course
- f. Independent Inquiry: one flagged course

In some cases, a course that is required for the Bachelor of Science in Education may also be counted toward the Core Curriculum; these courses are identified above. Courses used to fulfill flag requirements may also be used to fulfill other requirements.

## Prescribed Work

All students must complete the following requirements. The education, early childhood through grade six ESL bilingual generalist major focus area and youth and community studies major require modifications to the prescribed work; these are described in the section for the major below.

- a. Applied Learning and Development 333
- b. Psychology 301 or Special Education 303. One of these courses may also be used to fulfill the social and behavioral sciences requirement of the Core Curriculum.
- c. UTeach-Natural Sciences 306J, 306K, or 306L. These courses may also be used to fulfill parts I and II of the science and technology requirement of the Core Curriculum. In addition, students must complete UTeach-Natural Sciences 306M.
- d. Mathematics 316K and 316L.
- e. Foreign language: Students must demonstrate proficiency in a single foreign language equivalent to that shown by completion of the second college semester in the language; proficiency is usually shown by earning credit for language courses 601D and 610D or the equivalent. Prospective Texas teachers are strongly encouraged to take Spanish to fulfill the language requirement.

Although the foreign language requirement is the attainment of a certain proficiency, rather than the completion of a specified number of hours, the courses taken to gain this proficiency are not electives and may not be taken on the pass/fail basis. Any part of the requirement may be fulfilled by credit by examination.

Students who completed two years of a single foreign language in high school and who are not pursuing teacher certification may substitute three courses in specific multicultural and language/communication courses for the foreign language requirement. A list of the acceptable substitute courses is available in the Student Dean's Office, George I. Sánchez Building 216.

## Education Major Requirements

### Education, Early Childhood Through Grade Six ESL Generalist

The education, early childhood through grade six ESL generalist major focus area requires 124 hours of coursework. Students who have completed the education, early childhood through grade six ESL generalist major focus area are eligible to teach pre-kindergarten through grade six after meeting additional state requirements.

Students must complete the following:

- a. Coursework in applied learning and development:
  - i. Three semester hours in cognition and learning chosen from Applied Learning and Development 320 or 321
  - ii. Applied Learning and Development 322
  - iii. Applied Learning and Development 327
  - iv. Applied Learning and Development 328
  - v. Applied Learning and Development 329
  - vi. Health Education 329K
  - vii. Kinesiology 314
- b. A curricular specialization consisting of Curriculum and Instruction 370E (Topic 1: *Reading*), 370E (Topic 2: *Language Arts*), 370E (Topic 20: *Teaching English as a Second Language*), and 339D
- c. The Professional Development Sequence described below. Admission to the Professional Development Sequence is restricted; admission requirements are given in [Admission to the Professional Development Sequence](#) (p. ).
  - i. Methods courses: Curriculum and Instruction 370E (Topic 3: *Science*), 370E (Topic 4: *Social Studies*), and 370E (Topic 5: *Mathematics*)
  - ii. Curriculum and Instruction 331E
  - iii. Curriculum and Instruction 371G
  - iv. Curriculum and Instruction 950E

### Education, Early Childhood Through Grade Six ESL Bilingual Generalist

The education, early childhood through grade six ESL bilingual generalist major focus area requires 125 hours of coursework. Students who have completed the education, early childhood through grade six ESL bilingual generalist major focus area are eligible to teach pre-kindergarten through grade six in English and Spanish after meeting additional state requirements.

Students must complete the following:

- a. Nine hours of the science and technology requirement of the Core Curriculum, with the option to take UTeach-Natural Sciences 306L or 306M
- b. Foreign language must be Spanish and completed through Spanish 311 or 311J taken in residence at UT Austin.
- c. Coursework in applied learning and development:
  - i. Three semester hours in cognition and learning chosen from Applied Learning and Development 320 or 321
  - ii. Applied Learning and Development 322
  - iii. Applied Learning and Development 325
  - iv. Applied Learning and Development 328
  - v. Applied Learning and Development 330
  - vi. Kinesiology 314
- d. A curricular specialization consisting of Curriculum and Instruction 370E (Topic 1: *Reading*), 370E (Topic 2: *Language Arts*), 370E (Topic 20: *Teaching English as a Second Language*), and 339D
- e. The Professional Development Sequence described below. Admission to the Professional Development Sequence is restricted; admission requirements are given in [Admission to the Professional Development Sequence](#) (p. ).
  - i. Methods courses: Curriculum and Instruction 370E (Topic 3: *Science*), 370E (Topic 4: *Social Studies*), and 370E (Topic 5: *Mathematics*)
  - ii. Curriculum and Instruction 331E
  - iii. Curriculum and Instruction 340D

- iv. Curriculum and Instruction 371G
- v. Curriculum and Instruction 950E

science and technology, part I and part II, requirements of the Core Curriculum.

- iv. Mathematics 316K and 316L are not required.
- v. Students must take a three-semester-hour entrepreneurship course.

- b. Coursework in applied learning and development and related fields:
  - i. Applied Learning and Development 320, 322, 327, 329, and 331
  - ii. Applied Learning and Development 321 or Educational Psychology 350G
  - iii. Health Education 329K
  - iv. Three semester hours of coursework in kinesiology or health education

- c. Either a specialization in the Department of Kinesiology and Health Education, a minor outside of applied learning and development or education, a certificate, or a track in a second field of study which consist of a minimum of 15 hours of coursework, six of which must be upper-division. No more than six hours in the minor may also be counted toward other degree requirements. Information about approved areas of study and specific courses that may be used is available in the Student Dean's Office, George I. Sánchez Building 2.110.

- d. Professional concentration: Fifteen semester hours selected from one of the following concentrations: Coaching, Early Childhood, Physical Education Activity, Special Populations, Urban Teachers English language arts and reading, Urban Teachers social studies, and Youth and Social Services. A list of courses in each concentration is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Education, All-Level Generic Special Education

The education, all-level generic special education major focus area requires 120 hours of coursework. Students who have completed the education, all-level generic special education major focus area are eligible to teach in special education classrooms from pre-kindergarten through grade twelve after meeting additional state requirements.

Students must complete the following:

- a. The Prescribed Work, with the following modifications:
  - i. Students are not required to take Applied Learning and Development 333 or Informatics 320 (Topic 2: Children's Literature)
  - ii. Students only need to complete nine hours of the science and technology requirement and have the option of taking UTeach-Natural Sciences 306L or 306M
  - iii. Students are not required to take a Foreign Language
- b. Coursework in applied learning and development and related areas:
  - i. Three semester hours in human development chosen from Human Development and Family Sciences 313 and Psychology 304
  - ii. Three semester hours in cognition and learning chosen from Applied Learning and Development 320, 321, or 333
  - iii. Applied Learning and Development 322 and 327
- c. Prescribed work in special education: Special Education 332, 337, 372, 375C, 376, 378D, 378D, 378R, 378S, and 378T (Topic 6)
- d. The Professional Development Sequence described below. Admission to the Professional Development Sequence is restricted; admission requirements are given in Admission to the Professional Development Sequence.
  - i. Curriculum and Instruction 370E (Topic 1), 370E (Topic 2), 370E (Topic 5), and 370E (Topic 20)
  - ii. Curriculum and Instruction 331E
  - iii. Special Education 960

## Youth and Community Studies Major Requirements

The youth and community studies major requires 120 hours of coursework. The youth and community studies major has two professional concentrations that can lead to secondary teacher certification after meeting additional state requirements: Urban Teachers English language arts and reading and Urban Teachers social studies. Youth and community studies majors in other professional concentrations are not entitled to receive a teaching certificate.

Students must complete the following:

- a. The Prescribed Work, with the following modifications:
  - i. A course in English or rhetoric and writing may be counted in place of Applied Learning and Development 333. The course used to fulfill the humanities requirement of the core curriculum may not also be counted toward this requirement.
  - ii. Students must take Educational Psychology 318T (Topic 5: Introduction to Career Planning)
  - iii. Students are not required to take UTeach-Natural Sciences 306J, 306K, or 306L and an additional natural sciences or computer science course. However, they must complete the

## Electives

Additional elective coursework may be needed to provide the total number of semester hours required for the major. All majors must complete at least 36 hours of upper-division coursework.

## Suggested Arrangement of Courses, Education (BSEd)

### Education, EC-6 ESL Generalist

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090,Wr</sup>		3 ALD 320 or 321 (Major)		3 Foreign Language (General Education)	4
UTS 306J (Major)		3 UTS 306K (Major)		3	
Mathematics (Core) <sup>020,QR</sup>		3 GOV 310L (Core) <sup>070</sup>		3	
RHE 306 (Core) <sup>010</sup>		3 Foreign Language (General Education)		6	
SED 303 or PSY 301 (Major)		3			
		15		15	
				4	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ALD 322 (Major) <sup>CD</sup>		3 ALD 327 (Major)		3 Free elective (Elective)	3
UTS 306L (Major)		3 UTS 306M (Major)		3 Free elective (Elective)	3
GOV 312L or 312P (Core) <sup>070</sup>		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
Visual and Performing Arts, ARH/MUS/T D (Core) <sup>050,6C</sup>		3 U.S. History (Core) <sup>060,CD</sup>		3	
M 316K (Major)		3 M 316L (Major) <sup>QR</sup>		3	
		15		15	
				6	

Third Year			
First Term	Hours	Second Term	Hours
ALD 329 (Major)	3	ALD 328 (Major)	3
ALD 333 (Major)	3	EDC 370E (Topic 4) (Major)	3
HED 329K (Major) <sup>CD</sup>	3	EDC 370E (Topic 2) (Major) <sup>Wr</sup>	3
KIN 314 (Major)	3	EDC 371G (Major)	3
U.S. History (Core) <sup>060,CD</sup>	3	EDC 339D (Major)	3
15		15	

Fourth Year			
First Term	Hours	Second Term	Hours
EDC 331E (Major) <sup>E</sup>	3	EDC 370E (Topic 20) (Major) <sup>II</sup>	3
EDC 370E (Topic 5) (Major)	3	EDC 950E	9
EDC 370E (Topic 1) (Major)	3		
EDC 370E (Topic 3) (Major)	3		
12		12	

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Youth and community Studies (BSEd)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	ALD 320 (Major)	3	Foreign Language (General Education)	6
RHE 306 (Core) <sup>010</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Mathematics (Core) <sup>020,QR</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Foreign Language (General Education)	6		
SED 303 or PSY 301 (Major)	3				
15		15		6	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ALD 322 (Major)	3	ALD 321 or EDP 350G (Major)	3	(None)	

GOV 312L (Core) <sup>070</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
EDP 318T (Major)	3	Concentration course (Major)	3		
15		15		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ALD 327 (Major)	3	Writing flag course (Core) <sup>010</sup>	3	(None)	
ALD 331 (Major)	3	EDC 363 (Major)	3		
HED 329K (Major)	3	KIN/HED/PED course (Major)	3		
U.S. History (Core) <sup>060</sup>	3	Concentration course (Major)	3		
Concentration course (Major)	3	Specialization, Certificate, Track, or Minor course (Major)	3		
15		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ALD 329 (Major) <sup>Wr</sup>	3	Writing flag course (Core) <sup>010</sup>	3	(None)	
Concentration course (Major)	3	EDC 364C (Major)	3		
Specialization, Certificate, Track, or Minor courses (Major)	6	Specialization, Certificate, Track, or Minor courses (Major)	6		
12		12		0	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Kinesiology and Health

The field of kinesiology consists of biomechanical, physiological, psychological, managerial, epidemiological, rehabilitative, and sociocultural approaches to the study of human movement and personal and public health. The Bachelor of Science in Kinesiology and Health degree program offers five majors: applied movement science, exercise science, health promotion and behavioral science, physical culture and sports, and sport management.

The applied movement science program is designed for students interested in studying human movement as a background for helping others develop motor skills, physically active lifestyles and fitness. The exercise science program is appropriate preparation for further study in sport and exercise sciences or in movement-related areas such as physical therapy and sport medicine. The health promotion and behavioral science major is designed to prepare graduates for a number of professions including public health, community health promotion, university/college health services, government agencies, voluntary health agencies, corporate fitness and wellness, and healthcare centers. The sport management major is designed for students who are interested in the organization, marketing, and management of sport and/or entertainment programs. The physical culture and sports major is designed to prepare students for graduate school and/or careers related to a social science approach to sport and exercise.

The curriculum for the degree has four components: (a) the University-wide Core Curriculum; (b) prescribed work for the Bachelor of Science in Kinesiology and Health; (c) major requirements, which include a minor or specialization (coaching, community health and wellness, disability studies, health fitness instructor, medical fitness and rehabilitation, or strength and conditioning coaching); and (d) electives. More information, including a list of [specializations](#), [tracks](#), and [minors](#) (p. 136) is available from the College of Education Student Dean's Office, George I. Sánchez Building 2.110.

A total of at least 120 semester hours of coursework is required for the Bachelor of Science in Kinesiology and Health. For all majors, at least 36 hours must be in upper-division coursework.

## Core Curriculum

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the [Skills and Experience flags](#) (p. ).

- a. Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent
- b. Quantitative Reasoning: one flagged course
- c. Global cultures: one flagged course
- d. Cultural diversity in the United States: one flagged course
- e. Ethics: one flagged course
- f. Independent Inquiry: one flagged course

In some cases, a course that is required for the Bachelor of Science in Kinesiology and Health may also be counted toward the Core Curriculum; these courses are identified above. Courses used to fulfill flag requirements may also be used to fulfill other requirements.

## Prescribed Work

All students must complete the following requirements. Some majors require modifications to the prescribed work; these are described in the section for each major below.

- a. *Writing*: Three courses with a writing flag. These courses are identified in the [Course Schedule](#).
- b. *Social science*: Psychology 301 and several social science courses that fulfill requirement b may also be counted toward the social and behavioral sciences requirement of the core curriculum.
  - a. Psychology 301.
  - b. Three hours of coursework in anthropology, economics, geography, linguistics, or sociology.

- c. *Mathematics*: Three hours of coursework in mathematics. Several courses that fulfill this requirement may also be counted toward the mathematics requirement of the core curriculum.
- d. *Natural science*: Many courses that fulfill this natural science requirement may also be counted toward the science and technology requirements of the core curriculum.
  - a. Biology 302F or 311C.
  - b. Six hours of coursework in chemistry.
  - c. Six additional hours chosen from astronomy, biology, chemistry, computer applications, computer science, geological sciences, mathematics, physical science, physics, experimental psychology, physical anthropology, physical geography, history of science, and philosophy of science.
- e. In addition to the core curriculum requirements above, undergraduates are expected to have completed two years in a single foreign language in high school. Students without two years of high school foreign language coursework must earn credit for the beginning level proficiency in a foreign language; this credit does not count toward the student's degree. Students should consult their advisors to determine whether additional foreign language requirements apply to them. A list of acceptable substitute courses is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Major Requirements

All students seeking the Bachelor of Science in Kinesiology and Health must complete the following 12 semester-hour core, so that they are exposed to all aspects of the fields of kinesiology and health. Students will take three semester hours in Kinesiology 119 or physical education courses (the courses must require substantial physical activity) along with choosing three of the following courses.

- a. Health Education 311
- b. Kinesiology 310
- c. Kinesiology 312M
- d. Kinesiology 335C
- e. Kinesiology 347

## Applied Movement Science

Applied movement science majors must complete the following:

- a. The [Prescribed Work](#) (p. ), with the following modifications:
  - i. To fulfill the mathematics requirement, Applied Movement Science majors must complete Mathematics 305G or calculus. Mathematics 305G and several calculus courses may also be counted toward the mathematics requirement of the core curriculum.
  - ii. Applied movement science majors do not need to complete a course to fulfill the second part of the social science requirement (Prescribed Work 2b)
  - iii. In fulfilling the natural science requirement, the student must complete the following:
    1. In place of biology and chemistry, nine hours of coursework chosen from the natural science and technology Core Curriculum course list can be counted.
    2. Applied movement science majors do not need to complete the six additional hours of natural sciences (Prescribed Work 4c).
- b. Twenty-five semester hours in the cognate in applied movement science:

- i. Kinesiology 311K, *Sport Psychology*
  - ii. Kinesiology 320
  - iii. Kinesiology 321 or Kinesiology 425K
  - iv. Kinesiology 424K
  - v. Eleven to twelve hours of health education or kinesiology electives
  - vi. In place of biology and chemistry, nine hours of coursework chosen from the natural science and technology Core Curriculum course list can be counted
- c. Either a specialization in the Department of Kinesiology and Health Education, a minor outside the department, a certificate, or a track in a second field of study which consist of a minimum of 15 hours of coursework, six of which must be upper-division. No more than six hours in the minor may also be counted toward other degree requirements. Information about approved areas of study and specific courses that may be used is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Exercise Science

Students who plan to major in exercise science must apply for admission to the program. A student's grade point average and completion of prescribed prerequisite coursework are factors in the admission decision. Information about admission requirements is available from an academic advisor.

Exercise science majors must complete the following:

- a. The Prescribed Work described above, with the following modifications:
  - a. To fulfill the mathematics requirement, exercise science majors must complete Mathematics 408C, 408K, or 408N. The calculus course may also be counted toward the mathematics requirement of the core curriculum.
  - b. To fulfill the natural science requirement, exercise science majors must complete nine hours from: Biology 311C, 311D, Chemistry 301 and 302. They must also complete Physics 302K and 102M. Chemistry, biology, and physics may also be counted toward part I and II of the science and technology requirement of the Core Curriculum.
- b. Twenty-three semester hours in the cognate in exercise science:
  - a. Kinesiology 424K
  - b. Kinesiology 425K
  - c. Kinesiology 326K
  - d. Three hours chosen from Kinesiology 321M, 335C, and 336
  - e. Nine hours of exercise science electives; approved courses available in the Student Dean's Office, George I. Sánchez Building 2.110.
- c. Either a specialization in the Department of Kinesiology and Health Education, a minor outside the department, a certificate, or a track in a second field of study which consist of a minimum of 15 hours of coursework, six of which must be upper-division. No more than six hours in the minor may also be counted toward other degree requirements. Information about approved areas of study and specific courses that may be used is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Health Promotion and Behavioral Science

Health promotion and behavioral science majors must complete the following:

- 1. The Prescribed Work above, with the following modifications:
  - a. In place of biology and chemistry, nine hours of coursework chosen from the natural science and technology Core Curriculum course list can be counted.
  - b. Health Promotion and Behavioral Science majors do not need to complete the six additional hours of natural sciences (Prescribed Work 4c).
  - c. Communication Studies 306M
- 2. Eighteen semester hours in the cognate in health promotion:
  - a. Health Education 343
  - b. Health Education 350
  - c. Health Education 351
  - d. Health Education 373
  - e. Six hours of health promotion and behavioral science electives; approved courses available in the Student Dean's Office, George I. Sánchez Building 2.110.
- 3. Either a specialization in the Department of Kinesiology and Health Education, a minor outside the department, a certificate, or a track in a second field of study which consist of a minimum of 15 hours of coursework, six of which must be upper-division. No more than six hours in the minor may also be counted toward other degree requirements. Information about approved areas of study and specific courses that may be used is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Physical Culture and Sports

Physical culture and sports majors must complete the following:

- a. The Prescribed Work, with the following modification to the natural science requirement:
  - a. In place of biology and chemistry, nine hours of coursework chosen from the natural science and technology Core Curriculum course list can be counted.
  - b. In place of six additional hours of natural science (prescribed work requirement 4c), three hours of coursework in computer applications.
- b. Twenty-one semester hours in the cognate in physical culture and sports:
  - a. Kinesiology 312 (Topic 5: Sport Industry in America)
  - b. Kinesiology 349
  - c. Six semester hours of physical culture and sports electives chosen from Kinesiology 311K, 312 (Topic 4: Philosophy and Leadership in Sport & Physical Activity), 348, 350, 352K (Topic 5: Sport, Fitness, and Mass Media), 352K (Topic 6: Race and Sport in African American Life), 355, 361, 362, and 363.
  - d. Three hours from Kinesiology 350 or Kinesiology 352K (Topic 6: Race and Sport in African American Life), whichever is not used in 2c.
  - e. Kinesiology 351
  - f. Kinesiology 352K (Topic 32: History of Physical Culture)
- c. Either a specialization in the Department of Kinesiology and Health Education, a minor outside the department, a certificate, or a track in a second field of study which consist of a minimum of 15 hours of coursework, six of which must be upper-division. No more than six hours in the minor may also be counted toward other degree requirements. Information about approved areas of study and specific courses that may be used is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Sport Management

Students who plan to major in sport management must apply for admission to the program. A student's grade point average, volunteer and

work experiences, and completion of prescribed prerequisite coursework are factors in the admission decision. Information about admission requirements is available from an academic advisor.

Sport management majors must complete the following:

- a. The Prescribed Work described, with the following modifications:
  - a. Sport management majors must complete an economics course to fulfill the second part of the social science requirement.
  - b. In fulfilling the natural science requirement, the student must complete the following
    - i. In place of biology and chemistry, nine hours of coursework chosen from the natural science and technology Core Curriculum course list can be counted.
    - ii. In place of six additional hours of natural science (prescribed work 4c), three hours of coursework in computer applications.
  - c. Communication Studies 306M.
- b. Twenty-one semester hours in the cognate in sport management:
  - a. Kinesiology 312 (Topic 5: Sport Industry in America)
  - b. Kinesiology 350 or Kinesiology 352K (Topic 6: Race and Sport in African American Life)
  - c. Kinesiology 353
  - d. Kinesiology 354
  - e. Kinesiology 355
  - f. Kinesiology 356
  - g. Kinesiology 357
- c. Kinesiology 628, or 328C and three semester hours of a kinesiology or health education elective.
- d. Either a specialization in the Department of Kinesiology and Health Education, a minor outside the department, a certificate, or a track in a second field of study which consist of a minimum of 15 hours of coursework, six of which must be upper-division. No more than six hours in the minor may also be counted toward other degree requirements. Information about approved areas of study and specific courses that may be used is available in the Student Dean's Office, George I. Sánchez Building 2.110.

## Electives

Additional electives may be required to provide the total number of semester hours required for the student's major. No more than 12 semester hours of fieldwork and/or internship courses may be counted toward the degree.

## Suggested Arrangement of Courses, Applied Movement Science (BSKin&Health)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 310 (Major)		3 HED 311 (Major)		3 RHE 309J	3
UGS 302 or 303 (Core) <sup>090,Wr</sup>		3 PSY 301 (Major)			3
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 GOV 310L (Core) <sup>070</sup>			3
M 305G (Major) <sup>QR</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>			3
RHE 306 (Core) <sup>010</sup>		3 KIN 119 or PED COURSE (Major)			1
		<b>15</b>		<b>13</b>	
				<b>3</b>	

Second Year					
First Term	Hours	Second Term	Hours		
KIN 335C (Major)		3 KIN 424K (Major)		4	
KIN 311K (Major)		3 U.S. History (Core) <sup>060</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Minor/Certificate course (Major)		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
GOV 312L (Core) <sup>070</sup>		3 KIN 119 or PED COURSE (Major)		1	
KIN 119 or PED COURSE (Major)				1	
		<b>16</b>		<b>14</b>	
Third Year					
First Term	Hours	Second Term	Hours		
HED/KIN course (AMS Elective)		3 KIN 320 (Major)		3	
KIN 321 or 425K (Major)		3-4 HED Course/KIN Course (Major)		3	
U.S. History (Core) <sup>060</sup>		3 Minor/Certificate course (Major)		3	
Minor/Certificate course (Major)		3 GC Flag course (Major)		3	
WR Flag course (Major)		3 Upper-division Elective course (Major)		3	
		<b>15-16</b>		<b>15</b>	
Fourth Year					
First Term	Hours	Second Term	Hours		
HED/KIN course (AMS Elective)		3 HED/KIN course (AMS Elective)		3	
Minor/Certificate course (Major)		3 Minor/Certificate course (Major)		3	
E Flag course (Major) <sup>E</sup>		3 II Flag course (Major) <sup>II</sup>		3	
Upper-division WR Flag course (Major) <sup>WR</sup>		3 Upper-division Elective course (Major)		3	
Upper-division Elective course (Major)		3 Upper-division Elective course (Major)		3	
		<b>15</b>		<b>15</b>	
<b>Total credit hours: 121-122</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

# Suggested Arrangement of Courses, Exercise Science (BSKin&Health)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 310 (Major)	3	HED 311 (Major)	3	RHE 309J	3
UGS 302 or 303 (Major) <sup>090,WR</sup>	3	PSY 301 (Major)	3		
M 408K or 408C (Major) <sup>QR</sup>	4	GOV 310L (Core) <sup>070</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	CH 302 (Major)	3		
CH 301 (Major)	3	KIN 119 or PED COURSE (Major)	1		
<b>16</b>		<b>13</b>		<b>3</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 312M, 335C, or 347 (Major)	3	KIN 424K (Major)	4	PHY 302K & PHY 105M (Major)	4
Exercise Science Elective (Major)	3	U.S. History (Core) <sup>060</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Minor/Certificate course (Major)	3		
BIO 311C (Major)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
GOV 312L (Core) <sup>070</sup>	3	KIN 119 or PED COURSE (Major)	1		
KIN 119 or PED COURSE (Major)	1				
<b>16</b>		<b>14</b>		<b>4</b>	

Third Year			
First Term	Hours	Second Term	Hours
KIN 326K (Major)	3	KIN 425K (Major)	4
Upper-division Exercise Science Elective (Major)	3	KIN 321M, 335C, or 336 (Major)	3
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3
Minor/Certificate course (Major)	3	GC Flag course (Major) <sup>GC</sup>	3
WR Flag course (Major) <sup>WR</sup>	3	Upper-division Elective course (Major)	3
<b>15</b>		<b>16</b>	

Fourth Year			
First Term	Hours	Second Term	Hours
Upper-division Exercise Science Elective (Major)	3	Minor/Certificate course (Major)	3
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3
II Flag course (Major) <sup>II</sup>	3	Free elective (Elective)	3
Upper-division WR Flag course (Major) <sup>WR</sup>	3	Free elective (Elective)	3
<b>12</b>		<b>12</b>	

Total credit hours: 121

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

# Suggested Arrangement of Courses, Health Promotion and Behavioral Science (BSKin&Health)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HED 311 (Major) <sup>E</sup>	3	KIN 310 or 312M (Major)	3	(None)	
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	Mathematics (Core) <sup>QR</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	PSY 301 (Major)	3		
KIN 119 or PED COURSE (Major)	1	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
		KIN 119 or PED COURSE (Major)	1		
<b>13</b>			<b>16</b>		

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 310, 312M, 335C, or 347 (Major)	3	HED 343 (Major)	3	(None)	
GOV 312L (Core) <sup>070</sup>	3	E 316L, 316M, 316N, or 316P (Major)	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060,CD</sup>	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
CMS 306M (Major)	3	Minor/Certificate course (Major)	3		
KIN 119 or PED COURSE (Major)	1				
<b>16</b>			<b>15</b>		

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division HPBS Elective (Major)	3	HED 373 (Major) <sup>QR</sup>	3	(None)	
U.S. History (Core) <sup>060,CD</sup>	3	Upper-division HPBS Elective (Major)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
GC Flag course (Major)	3	Upper-division WR Flag course (Major)	3		
WR Flag course (Major)	3	Free elective (Elective)	3		
<b>15</b>			<b>15</b>		

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HED 350 (Major)	3	HED 351 (Major) <sup>II</sup>	3	(None)	

Minor/Certificate course (Major)	3 Minor/Certificate course (Major)	3
Upper-division WR Flag course (Major)	3 Minor/Certificate course (Major)	3
Free elective (Elective)	3 Free elective (Elective)	3
Upper-division Elective course (Major)	3 Free elective (Elective)	3
	<b>15</b>	<b>15</b>
		<b>0</b>

**Total credit hours: 120**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Physical Culture and Sports (BSKin&Health)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 312M (Major) <sup>Wr</sup>	3	KHE course (Major)	3	Writing flag course (Core) <sup>010</sup>	3
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	PSY 301 (Core) <sup>080</sup>	3		
M 302 (Core) <sup>020</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
KIN 119 or PED COURSE (Major)	1	Visual and Performing Arts (Core) <sup>050</sup>	3	KIN 119 or PED COURSE (Major)	1
	<b>13</b>		<b>16</b>		<b>3</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 347 (Major)	3	KIN 312 (Major)	3	(None)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
GOV 312L (Core) <sup>070</sup>	3	Comp App course (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Specialization, Certificate, Track, or Minor course (Major)	3		

KIN 119 or PED COURSE (Major)	1				
	<b>16</b>		<b>15</b>		<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 349 (Major) <sup>Wr,GC,II</sup>	3	KIN 352K (Major)	3	(None)	
KIN 352K (Major)	3	Specialization, Certificate, Track, or Minor course (Major)	3		
PCS course (Major)	3	Upper-division elective (Elective)	3		
U.S. History (Core) <sup>060</sup>	3	Free electives (Elective)	6		
Specialization, Certificate, Track, or Minor course (Major)	3				
	<b>15</b>		<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 351 (Major)	3	Specialization, Certificate, Track, or Minor upper-division courses (Major)	6	(None)	
PCS course (Major)	3	Free electives (Elective)	6		
Specialization, Certificate, Track, or Minor course (Major)	3				
Upper-division elective (Elective)	3				
Free elective (Elective)	3				
	<b>15</b>		<b>12</b>		<b>0</b>
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Sport Management (BSKin&Health)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 312M (Major)	3	KIN 335C	3	ECO 301 or 304K (Core)	3
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	PSY 301 (Major)	3		



Mathematics (Core) <sup>020,QR</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
KIN 119 or PED 106C (Major)	1	KIN 119 (Major)	1		
	<b>13</b>		<b>13</b>		<b>3</b>

#### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 347 (Major) <sup>E</sup>	3	KIN 312 (Topic 5) (Major)		3 (None)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Computer Applications (General Education)	3		
Writing Flag course (Major) <sup>Wr</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
GOV 312L (Core) <sup>070</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
KIN 119 (PED Course (Major))	1				
	<b>16</b>		<b>15</b>		<b>0</b>

#### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 350 or 352K (Major)	3	KIN 353 (Major)		3 (None)	
KIN 354 (Major)	3	KIN 356 (Major) <sup>QR</sup>	3		
Minor/Certificate course (Major)	3	CMS 306M (Major)	3		
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3		
KIN 349 (Major) <sup>Wr</sup>	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
KIN 355	3	KIN 357 (Major) <sup>II</sup>	3	KIN 628 (Major)	6
Writing Flag course (Major) <sup>Wr</sup>	3	Minor/Certificate course (Major)	3		
Upper-division Minor/Certificate course (Major)	3	Upper-division Minor/Certificate course (Major)	3		
Upper-division Elective (Elective)	3	Upper-division Elective course (Elective)	3		
	<b>12</b>		<b>12</b>		<b>6</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minors and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

### Educational Psychology Minor

Requirements	Hours
Completion of 15 undergraduate semester credit hours in educational psychology, six of which must be upper-division hours.	15

Please Note:

Information about available courses and the certification process documenting completion of the minor is available from the Department of Educational Psychology, George I. Sanchez Building 504.

### Kinesiology and Health Education Minor

Requirements	Hours
A cumulative 2.5 The University of Texas at Austin GPA for admission	
Completion of 15 undergraduate semester credit hours in Kinesiology (KIN) or Health Education (HED), six of which must be upper-division hours.	15

Please Note:

Information about available courses and the certification process documenting completion of the minor is available from the Student Dean's Office, George I. Sanchez Building 2.110.

### Urban Teachers Minor

By admission only

The Urban Teachers minor prepares students for secondary teacher certification in English/Language Arts or Social Studies.

- The Urban Teachers minor requires a three-semester commitment (summer, fall, spring)
- Admission into the Urban Teachers minor requires a 2.5 overall UT Austin GPA

Eighteen semester hours of required Urban Teachers coursework must be completed as follows:

Requirements	Hours
Six hours from:	6
ALD 327	Sociocultural Influences on Learning

EDC 350	Topics in Educational Studies (Topic 3: Teaching Secondary Social Studies)	
or EDC 339F	Adolescent Literacy	
Three hours from:		3
EDC 370S	Secondary School Subjects (Topic 1: Advanced Methods in English, Language Arts, and Reading)	
EDC 370S	Secondary School Subjects (Topic 3: Advanced Methods in Social Studies)	
Nine hours from:		9
EDC 351S	Secondary School Teaching Practicum (Topic 1: Secondary School Teaching Practicum: English)	
and		
EDC 671S	Praxis for Student Teaching (Topic 1: Secondary English)	
OR		
EDC 371S	Praxis for Student Teaching (Topic 1: Secondary English)	
and		
EDC 651S	Secondary School Teaching Practicum (Topic 1: School Teaching Practicum: English)	
OR		
EDC 351S	Secondary School Teaching Practicum (Topic 2: Secondary Teaching School Practicum: Social Studies)	
and		
EDC 671S	Praxis for Student Teaching (Topic 4: Secondary Social Studies)	
OR		
EDC 371S	Praxis for Student Teaching (Topic 4: Secondary Social Studies)	
and		
EDC 651S	Secondary School Teaching Practicum (Topic 2: Secondary Teaching School Practicum: Social Studies)	

## Certificates

The College of Education does not offer any certificate programs. To see a full list of certificates offered at the University, please see [The University](#) (p. ) section of the *Undergraduate Catalog*.

## Courses, College of Education

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the college level: [Applied Learning and Development \(ALD\)](#).

For courses offered by each department within the College of Education, please see the corresponding department page in the following sections.

## Courses, Department of Curriculum and Instruction

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Curriculum and Instruction: [Curriculum and Instruction \(EDC\)](#), [Foreign Language Education \(FLE\)](#), and [Science, Technology, Engineering, and Mathematics Education \(STM\)](#).

## Courses, Department of Educational Leadership and Policy

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Educational Leadership and Policy: [Educational Leadership and Policy \(ELP\)](#).

## Courses, Department of Educational Psychology

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Educational Psychology: [Educational Psychology \(EDP\)](#).

## Courses, Department of Kinesiology and Health Education

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Kinesiology and Health Education: [Health Education \(HED\)](#), [Kinesiology \(KIN\)](#), and [Physical Education \(PED\)](#).

## Courses, Science Education Center

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Science Education Center: [Science \(SCI\)](#).

## Courses, Department of Special Education

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Special Education: [Special Education \(SED\)](#).

## College of Education Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Patricia Abril-Gonzalez, Assistant Professor  
Department of Curriculum and Instruction and Center for Mexican  
American Studies  
MA, University of Colorado at Denver, 2009

Jennifer Keys Adair, Associate Professor  
Department of Curriculum and Instruction  
PhD, Arizona State University Main, 2009

Ricardo C Ainslie, Professor  
M. K. Hage Centennial Professorship in Education  
Department of Educational Psychology, Center for Mexican American Studies, and Department of Population Health  
PhD, University of Michigan-Ann Arbor, 1979

Kizzy Albritton, Associate Professor  
Department of Educational Psychology  
PhD, Georgia State University, 2014

Germine Gigi Awad, Associate Professor  
Department of Educational Psychology, Center for Middle Eastern Studies, Department of African and African Diaspora Studies, and John L. Warfield Center for African and African American Studies  
PhD, Southern Illinois University Carbondale, 2005

Flavio S Azevedo, Associate Professor  
Department of Curriculum and Instruction  
PhD, University of California-Berkeley, 2005

Abby Bailin, Lecturer  
Department of Educational Psychology  
PhD, University of Texas at Austin, 2020

Dominique Baker, Harrington Faculty Fellow  
Department of Educational Leadership and Policy  
PhD, Vanderbilt University, 2016

Doris Luft Baker, Associate Professor  
Department of Special Education and Department of Curriculum and Instruction  
Department of Special Education and Department of Curriculum and Instruction  
PhD, University of Oregon, 2007

John Bartholomew, Professor  
Teresa Lozano Long Endowed Chair in Kinesiology and Health Education  
Department of Kinesiology and Health Education  
PhD, Arizona State University Main, 1996

Sarah Kate Bearman, Associate Professor  
Department of Educational Psychology and Department of Psychiatry  
PhD, University of Texas at Austin, 2005

Kimberly A Beckwith, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2006

Tasha Beretvas, Professor  
John L. and Elizabeth G. Hill Centennial Professorship  
Department of Educational Psychology, Department of Psychiatry, and Office of the Executive Vice President and Provost  
PhD, University of Washington - Seattle, 2000

Matthew Bowers, Associate Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2011

Anthony L Brown, Professor  
Department of Curriculum and Instruction, John L. Warfield Center for African and African American Studies, and Department of African and African Diaspora Studies  
PhD, University of Wisconsin-Madison, 2006

Christopher P Brown, Professor  
Department of Educational Leadership and Policy  
PhD, University of Wisconsin-Madison, 2004

Emily Cheshire Brown, Assistant Professor of Instruction  
Department of Educational Psychology  
PhD, Virginia Polytechnic Institute and State University, 2016

Jay Brown, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 2016

Keffrelyn D Brown, Professor  
Suzanne B. and John L. Adams Endowed Professorship in Education  
Department of Curriculum and Instruction, Center for Women's and Gender Studies, John L. Warfield Center for African and African American Studies, and Department of African and African Diaspora Studies  
PhD, University of Wisconsin-Madison, 2006

Chris B Brownson, Clinical Associate Professor  
Department of Educational Psychology  
PhD, University of Texas at Austin, 2001

Lawrence A Brownstein, Senior Lecturer  
Department of Educational Psychology  
PhD, University of Texas at Austin, 1977

Diane P Bryant, Professor  
Mollie Villeret Davis Professorship in Learning Disabilities  
Department of Special Education  
PhD, University of New Mexico Main Campus, 1986

Lynne J Bryant, Assistant Professor of Practice  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2017

Pamela S Buchanan, Assistant Professor of Instruction  
Department of Kinesiology and Health Education and College of Fine Arts  
MA, Sam Houston State University, 1988

Sheri Burson, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2021

Lucy Camarillo, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MEd, University of Texas at Austin, 2009

Alfred R Cantu, Assistant Professor of Instruction  
Department of Curriculum and Instruction  
MS, University of Texas at Austin, 2009

Debra Cantu, Associate Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 2013

Norma V Cantu, Professor  
Ken McIntyre Professorship for Excellence in School Leadership  
Department of Educational Leadership and Policy  
JD, Harvard University, 1977

Philip James Capin, Research Assistant Professor  
Department of Special Education  
PhD, University of Texas at Austin, 2018

Cindy I Carlson, Professor  
Department of Educational Psychology  
PhD, Indiana University at Bloomington, 1982

Darla Marie Castelli, Professor  
Catherine Mae Parker Centennial Professorship in Education  
Department of Kinesiology and Health Education

PhD, University of South Carolina - Columbia, 2002

Stephanie Washbourn Cawthon, Professor  
Department of Educational Psychology and Department of Special Education

PhD, University of Wisconsin-Madison, 2000

Sylvia Celedon-Pattichis, Professor  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 1998

Jason Chartouni, Assistant Professor of Practice  
Department of Kinesiology and Health Education  
MBA, Western Governors University Texas, 2021

Andy Cheshire, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2018

Joshua Childs, Assistant Professor  
Department of Educational Leadership and Policy  
PhD, University of Pittsburgh, Pittsburgh Campus, 2015

Seung William Choi, Professor  
Department of Educational Psychology and Department of Population Health  
PhD, University of Texas at Austin, 1996

Nathan Clemens, Associate Professor  
Department of Special Education  
PhD, Lehigh University, 2009

Kevin O Cokley, Professor  
Oscar and Anne Mauzy Regents Professorship for Educational Research and Development  
Department of Educational Psychology, Department of African and African Diaspora Studies, and John L Warfield Center for African and African American Studies  
PhD, Georgia State University, 1998

Sarah M Collins, Assistant Professor of Instruction  
Department of Statistics and Data Sciences and Department of Educational Psychology  
PhD, University of Texas at Austin, 2010

North A Cooc, Associate Professor  
Department of Special Education and Center for Asian American Studies

EdD, Harvard University, 2014

Beth Ann Cooper, Associate Professor of Practice  
Department of Educational Leadership and Policy  
DD, University of Texas at Austin, 2018

Laura Costello, Assistant Professor of Instruction  
Department of Educational Psychology  
PhD, University of Texas at Austin, 2012

Edward F Coyle, Professor  
Department of Kinesiology and Health Education  
PhD, University of Arizona, 1979

Adam Crawley, Assistant Professor  
Department of Curriculum and Instruction  
PhD, University of Georgia, 2018

Brittany N Crim, Lecturer  
Department of Kinesiology and Health Education

PhD, University of Texas at Austin, 2013

Don S Crowley Jr, Assistant Professor of Practice  
Department of Kinesiology and Health Education  
BS, University of Texas at Austin, 1990

Kelly Cruise, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MEd, University of Texas at Austin, 2010

Paul Cruz, Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 1995

Rosemary Magdalena Cuellar Torres, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MEd, University of Texas at El Paso, 2003

Denise Davila, Assistant Professor  
Department of Curriculum and Instruction  
PhD, Ohio State U Main Campus, 2012

Noah De Lissovoy, Professor  
Department of Curriculum and Instruction  
PhD, University of California-Los Angeles, 2005

David Edward DeMatthews, Associate Professor  
Department of Special Education and Department of Educational Leadership and Policy  
PhD, University of Maryland College Park, 2012

Eric M Dieter, Lecturer  
Department of English, Department of Rhetoric and Writing, Department of Curriculum and Instruction, and Center for Women's and Gender Studies  
PhD, University of Texas at Austin, 2013

Christian Doabler, Assistant Professor  
Department of Special Education  
PhD, University of Oregon, 2010

Susan K Dubois, Adjunct Assistant Professor  
Department of Kinesiology and Health Education, Department of Population Health, and Department of Medicine  
MD, University of Texas Health Science Center at Houston, 1988

J Mark Eddy, Professor  
Department of Educational Psychology and Department of Kinesiology and Health Education  
Department of Educational Psychology and Department of Kinesiology and Health Education  
PhD, University of Oregon, 1992

Criselda G Elizalde, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
JD, University of Texas at Austin, 1980

Nicholas M Enge, Lecturer  
Department of Kinesiology and Health Education  
MS, Stanford University, 2012

John D Fair, Adjunct Professor  
Department of Kinesiology and Health Education  
PhD, Duke University, 1970

Toni L Falbo, Professor  
Department of Educational Psychology and Department of Sociology  
PhD, University of California-Los Angeles, 1973

Terry S Falcomata, Professor  
Department of Special Education  
PhD, University of Iowa, 2008

Brian K Farr, Clinical Associate Professor  
Department of Kinesiology and Health Education  
MA, Ohio State U Main Campus, 1996

Maureen Patricia Fitzgerald, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, Ohio State U Main Campus, 1990

Stella Marie Flores, Associate Professor  
Department of Educational Leadership and Policy, Department of  
Curriculum and Instruction, and Lyndon B Johnson School of Public  
Affairs  
Department of Educational Leadership and Policy, Department of  
Curriculum and Instruction, and Lyndon B Johnson School of Public  
Affairs  
EdD, Harvard University, 2007

Tracey Terece Flores, Assistant Professor  
Department of Curriculum and Instruction  
PhD, Arizona State University Main, 2017

Christina Lin Fragale, Assistant Professor of Practice  
Department of Special Education  
PhD, University of Texas at Austin, 2012

Maria E Franquiz, Professor  
Department of Curriculum and Instruction  
PhD, University of California-Santa Barbara, 1995

Mike Freedberg, Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Iowa, 2016

Shannon Galvan, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MEd, Texas State University, 2012

Denisa Gandara, Assistant Professor  
Department of Educational Leadership and Policy  
PhD, University of Georgia, 2016

Carrie Lou Garberoglio, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 2013

Liliana M Garces, Associate Professor  
Department of Educational Leadership and Policy and School of Law  
EdD, Harvard University, 2011

David W Gardner, Adjunct Professor  
Department of Educational Leadership and Policy  
PhD, Texas A & M University, 1979

Emma Gargroetzi, Assistant Professor of Instruction  
Department of Curriculum and Instruction  
PhD, Stanford University, 2020

Emily K Germain, Adjunct Assistant Professor  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 2019

Matthew S Giani, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 2014

Barbara H Gideon, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
EdD, Texas A & M University, 2000

Erik Gnagy, Clinical Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2012

Vickie Godfrey, Assistant Professor of Instruction  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2021

Nico Gomez Marchant, Assistant Professor  
Department of Curriculum and Instruction  
PhD, University of Georgia, 2016

Belinda Gomez, Adjunct Assistant Professor  
Department of Educational Leadership and Policy  
EdD, University of Texas - Pan American, 2019

Juan C Gonzales, Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Illinois at Urbana-Champaign, 1981

Maria Jorgelina Gonzalez tristan, Assistant Professor  
Department of Curriculum and Instruction  
PhD, Boston College, 2017

Michael A Goodman, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Maryland College Park, 2020

Jane S Gray, Assistant Professor of Practice  
Department of Educational Psychology and Department of Psychiatry  
PhD, University of Texas at Austin, 2006

Terrance L Green, Associate Professor  
Department of Educational Leadership and Policy and Department of  
African and African Diaspora Studies  
PhD, University of Wisconsin-Madison, 2013

Lisa Griffin, Associate Professor  
Department of Kinesiology and Health Education  
PhD, University of Western Ontario, 1999

Karen L Haas, Assistant Professor of Instruction  
Department of Educational Psychology  
PhD, University of Dayton, 2002

Dorothy R Hall, Assistant Professor of Practice  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2009

Xiaofen Deng Hamilton, Professor  
Department of Curriculum and Instruction  
PhD, University of Illinois at Urbana-Champaign, 2000

SAHTIYA Hosoda HAMMELL, Lecturer  
Department of Kinesiology and Health Education  
MEd, University of Virginia, 2016

Lauren Hazledine Hampton, Assistant Professor  
Department of Special Education  
PhD, Vanderbilt University, 2016

Louis Harrison, Professor  
Department of Curriculum and Instruction  
PhD, Louisiana State University and Agricultural and Mechanical College,  
1997

Michelle Harrison, Research Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2014

Katelyn Hatfield, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2018

Florian Hemme, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2017

Lorna Mae N Hermosura, Assistant Professor of Instruction  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2019

Arcelia Luna Hernandez, Assistant Professor of Practice  
Department of Curriculum and Instruction  
EdD, University of Southern California, 2010

Jennifer J Holme, Professor  
Department of Educational Leadership and Policy  
PhD, University of California-Los Angeles, 2000

Hao-Yuan Hsiao, Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Delaware, 2015

Joan Hughes, Associate Professor  
Department of Curriculum and Instruction  
PhD, Michigan State University, East Lansing, 2000

Thomas M Hunt, Associate Professor  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2007

Sara J Hussain, Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Iowa, 2016

Myra Infante Sheridan, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MFA, University of Texas - Pan American, 2011

Mitchell Dean Ingram, Assistant Professor of Practice  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2020

Anita Israni, Assistant Professor of Instruction  
Department of Educational Psychology  
PhD, University of Texas at Austin, 2015

Huriya Jabbar, Associate Professor  
Department of Educational Leadership and Policy  
PhD, University of California-Berkeley, 2014

Esbelle M Jowers, Research Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 1999

Sharon H Justice, Lecturer  
Department of Educational Leadership and Policy  
PhD, Southern Illinois University Carbondale, 1974

Manuel J Justiz, Professor  
A. M. Aikin Regents Chair in Education Leadership  
Department of Educational Leadership and Policy  
PhD, Southern Illinois University Carbondale, 1977

Marilyn C Kameen, Professor  
A. M. Aikin Regents Chair in Junior and Community College Education  
Leadership  
Department of Educational Leadership and Policy  
EdD, University of Virginia (Old Code), 1974

Hyeon-Ah Kang, Assistant Professor  
Department of Educational Psychology  
PhD, University of Illinois at Urbana-Champaign, 2016

Angelique Karditzas, Lecturer  
Department of Kinesiology and Health Education  
MSc, University of Swansea, 2016

David C Kauffman, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
EdD, Harvard University, 2005

Jasdeep Kaur, Assistant Professor  
Department of Kinesiology and Health Education  
PhD, Wayne State University, 2016

Brian T Keller, Assistant Professor  
Department of Educational Psychology  
PhD, University of California-Los Angeles, 2019

Darren David Kelly, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2012

Deborah C Kelt, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MA, University of Texas at Austin, 2008

Grace MyHyun Kim, Assistant Professor  
Department of Curriculum and Instruction  
PhD, University of California-Berkeley, 2017

Amy L Kinkade, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MEd, University of Texas at Austin, 1982

Marissa Claire Knox, Lecturer  
Department of Educational Psychology  
PhD, University of Texas at Austin, 2020

Eric Knuth, Professor  
Department of Curriculum and Instruction  
PhD, University of Colorado at Boulder, 1999

Harold Willis Kohl III, Research Professor  
Department of Kinesiology and Health Education  
PhD, University of Texas Health Science Center at Houston, 1993

Da Hei Ku, Assistant Professor of Practice  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2021

Sophie Lalonde, Assistant Professor  
Department of Kinesiology and Health Education  
PhD, University of Auckland, 2008

Lara Latimer, Assistant Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2013

Kemper Elizabeth Lipscomb, Assistant Professor of Practice  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2020

Min Liu, Professor

Department of Curriculum and Instruction  
EdD, West Virginia University, 1992

Alexandra Loukas, Professor  
Barbie M. and Gary L. Coleman Professorship in Education  
Department of Kinesiology and Health Education and College of  
Education  
PhD, Michigan State University, East Lansing, 1997

Nora Alicia Luna, Assistant Professor of Practice  
Department of Curriculum and Instruction  
EdD, The University of Texas at Brownsville, 2020

Tia Madkins, Assistant Professor  
Department of Curriculum and Instruction  
PhD, University of California-Berkeley, 2016

Molly Beth Malcolm, Professor of Practice  
Department of Educational Leadership and Policy  
EdD, University of Texas at Austin, 2013

Beth Maloch, Professor  
Elizabeth Shatto Massey Endowed Chair in Education  
College of Education and Department of Curriculum and Instruction  
PhD, Vanderbilt University, 2000

Zoe Mantarakis, Assistant Professor of Practice  
Department of Kinesiology and Health Education  
BA, University of California-Berkeley, 2000

Jill A Marshall, Associate Professor  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 1984

Charles Martinez, Professor  
Sid W. Richardson Regents Chair in Community College Leadership, Lee  
Hage Jamail Regents Chair in Education  
Department of Educational Psychology, College of Education,  
Department of Kinesiology and Health Education, and Department of  
Educational Leadership and Policy  
PhD, Alliant International University-San Diego, 1997

Christopher J McCarthy, Professor  
Department of Educational Psychology  
PhD, Georgia State University, 1995

Nicole Kristen McLagan, Assistant Professor of Practice  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2014

Mark D Milliron, Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 1995

Brian M Mills, Associate Professor  
Department of Kinesiology and Health Education  
PhD, University of Michigan-Ann Arbor, 2012

Katherine M Muenks, Assistant Professor  
Department of Educational Psychology  
PhD, University of Maryland College Park, 2016

Sheri Mycue, Clinical Assistant Professor  
Department of Curriculum and Instruction  
PhD, University of New Orleans, 2000

Michael Evan Nava, Associate Professor of Practice  
Department of Educational Leadership and Policy

PhD, University of Texas at Austin, 2010

Kristin Neff, Associate Professor  
Department of Educational Psychology  
PhD, University of California-Berkeley, 1997

Glenn L Nolly, Assistant Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 1997

Liesl Nydegger, Assistant Professor  
Department of Kinesiology and Health Education  
PhD, Claremont Graduate University, 2015

Jessica J O'Bleness, Assistant Professor of Practice  
Department of Educational Psychology  
PhD, University of Iowa, 2015

Mark F O'Reilly, Professor  
Melissa Elizabeth Stuart Centennial Professorship in Education  
Department of Special Education  
PhD, University of Illinois at Urbana-Champaign, 1992

Martha N Ovando, Professor  
Department of Educational Leadership and Policy  
PhD, University of Utah, 1981

Tolga Ozyurtcu, Associate Professor of Instruction  
Department of Kinesiology and Health Education  
PhD, University of Texas at Austin, 2014

Gage E Paine, Clinical Professor  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 1996

Desiree Pallais-Downing, Assistant Professor of Instruction  
Department of Curriculum and Instruction  
PhD, University of Texas at Austin, 2019

Jennifer Pan, Assistant Professor of Practice  
Department of Curriculum and Instruction  
MEd, University of Texas at Austin, 2015

Raymund A Paredes, Professor of Practice  
Department of Educational Leadership and Policy  
PhD, University of Texas at Austin, 1973

Michael Parent, Associate Professor  
Department of Educational Psychology and Center for Women's and  
Gender Studies  
PhD, University of Florida, 2013

Keryn Elizabeth Pasch, Associate Professor  
Department of Kinesiology and Health Education  
PhD, University of Minnesota-Twin Cities, 2007

James R Patton, Associate Professor of Instruction  
Department of Special Education  
EdD, University of Virginia (Old Code), 1980

Katherina A Payne, Associate Professor  
Department of Curriculum and Instruction  
MA, Adelphi University, 2004

Peng Peng, Assistant Professor  
Department of Special Education  
PhD, Vanderbilt University, 2014

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## Cockrell School of Engineering

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## General Information

### Mission

The mission of the Cockrell School of Engineering is to achieve excellence in undergraduate and graduate education, research, and public service. The school strives to provide an educational experience that inspires students to reach for the highest levels of intellectual attainment and personal growth throughout their lives, to provide a scholarly and professional environment that enables students and faculty members to make lasting contributions to the advancement of knowledge and the creative practice of engineering, to engage in service that enhances the public's understanding of technology and facilitates the use of technology for the betterment of society, and to lead the nation in providing equality of opportunity for engineering education.

Engineering education affords individuals the opportunity to prepare themselves for life in an era when human well-being depends more than ever before on the ability to apply technology for the benefit of society. It has become clear that in producing the goods and services demanded by an expanding population, we must consider the effects of technology on the environment. Solution of many of the problems faced by society today will involve a high level of technology.

Engineers are involved with all the devices and systems made by and for people—buildings and factories, transportation and communication systems, equipment for generating and distributing electrical energy, computers and electronic devices; indeed, all of the manufactured products we see around us. Engineers of diverse backgrounds working together and with other professionals have produced heart pumps, surgical lasers, robotics for manufacturing and construction, polymers, safer and more efficient nuclear reactors, advances in space research and in environmental protection, safe and attractive bridges, satellites and telecommunication systems, and small but powerful computers. Just as much of the technology being applied today has been developed within the past ten years, the solution of tomorrow's problems will require the development of new technology through engineering research.

In addition to its traditional function of giving men and women the opportunity to prepare for careers as professional engineers, the Cockrell School of Engineering also has a second function: providing the opportunity to acquire a technical background to students who

plan to continue their education in areas such as business, public affairs, law, medicine, and scientific disciplines related to engineering. The engineering faculty willingly accepts its obligation to enhance cooperation between engineers and others working to improve the quality of life.

The school is organized into academic departments that offer a variety of degrees. Although there are distinct differences among the degree programs, they have much in common; all are based on a foundation of mathematics, natural sciences, and basic engineering subjects. Following the development of an adequate foundation during the first two years, an engineering student begins concentrated study in a particular area. During the senior year the student delves into practical engineering problems, developing skills in defining a problem, translating available information into equations that can be analyzed logically, creating additional information when necessary, and choosing a course of action that has a reasonable chance of producing the desired results.

The school seeks to give students the knowledge necessary to take advantage of opportunities in a number of areas. The engineer who begins a professional career immediately following graduation usually will find opportunity for a variety of responsible positions in industry and government. The first assignments usually are of a technical nature. Later, one may choose to become a technical specialist or to move into positions involving administration and management. Either choice can lead to a rewarding professional career.

Many engineering graduates elect to continue their education. Studies by the American Society for Engineering Education indicate that nearly 50 percent of all engineering graduates eventually earn a master's degree. Most do their graduate work in engineering, either in a professional program where advanced design techniques are emphasized or in a graduate school where the emphasis is on research. Others elect to enroll in graduate programs in other disciplines. The flexibility to accommodate a broad spectrum of educational objectives has been incorporated into the degree structure of the Cockrell School of Engineering through technical area options and electives that permit students to define programs of study that best suit their needs.

### History

The Department of Engineering was established in 1884, an outgrowth of work in applied mathematics first offered in the Department of Literature, Science, and Arts. About 1920, the department became a college; in 2007, the college was renamed the Cockrell School of Engineering in honor of Ernest Cockrell Jr., an alumnus and benefactor of the University. The first degree in engineering, a Bachelor of Science with a major in civil engineering, was conferred in 1888. Civil engineering degrees have been conferred since 1894 and electrical engineering degrees since 1896.

Degrees in architecture were conferred in the College of Engineering from 1909 through 1951, when the School of Architecture became an autonomous division of the University. Degrees in chemical engineering have been conferred since 1916; degrees in mechanical engineering since 1919; degrees in architectural engineering since 1928; degrees in petroleum engineering since 1931; degrees in aeronautical engineering from 1943 to 1959 and in aerospace engineering since 1960; degrees in ceramic engineering from 1948 to 1961; degrees in meteorology from 1951 to 1963; degrees in geosystems engineering and hydrogeology, offered jointly with the Jackson School of Geosciences, since 1996; and undergraduate degrees in biomedical engineering beginning in 2002. A degree in engineering science was offered from 1960 until 1988.

### Facilities

The Cockrell School occupies six buildings on the central campus, with a total of 1,340,000 square feet for classrooms, laboratories, and offices.

The Nuclear Engineering Teaching Laboratory and a substantial number of other engineering research laboratory facilities are housed at the J. J. Pickle Research Campus, about six miles north of the main campus.

## Research Organizations

Faculty members and students of the Cockrell School of Engineering may participate in a wide variety of research projects conducted in departments and research centers. The research is supported by federal, state, and industrial research contracts and grants that provide part-time employment for selected undergraduate and graduate students. More than six hundred individual research projects are usually underway at any one time. In addition to providing students with experience in research methodology, these research projects enable faculty members to keep abreast of developments in their principal areas of interest.

Research centers currently operating within the Cockrell School are the Center for Additive Manufacturing and Design Innovation; Center for Aeromechanics Research; Center for Electromechanics; Center for Energy and Environmental Resources; Center for Engineering Education; Center for Mechanics of Solids, Structures and Materials; Center for Nanomanufacturing Systems for Mobile Computing and Mobile Energy Technologies; Center for Subsurface Energy and Environment; Center for Space Research; Center for Transportation Research; Center for Water and the Environment; Construction Industry Institute; Phil M. Ferguson Structural Engineering Laboratory; Microelectronics Research Center; and the Wireless Networking and Communications Group.

The Nuclear Engineering Teaching Laboratory is an academic unit of the Cockrell School. Interdisciplinary research units operated cooperatively by the school and other colleges are the Energy Institute; Texas Materials Institute; the Center for Perceptual Systems; and the Oden Institute for Computational Engineering and Sciences.

## Libraries

Staff and collections of the Richard W. McKinney Engineering Library support teaching, learning, and research in all fields offered by the Cockrell School of Engineering. The library, located in the Engineering Education and Research Center (EER) 1.706, is a branch of the University Libraries. Library webpages link to materials, guides, and contact information.

Other units of the University Libraries include the Perry-Castañeda Library (social sciences and humanities), Mallet Chemistry Collection, Kuehne Physics-Math-Astronomy Library, Life Science Library, Marine Science Library, and Walter Geology Library. The print and electronic collections of these and other library components form one of the largest academic libraries in the United States.

The Fine Arts Library houses a makerspace, available to students in all majors. Computer workstations, scanning equipment, and printing are available to students at each library location.

Assistance with finding and using library resources is offered in person, by contacting individual members of the library staff, and through Ask a Librarian services.

## Engineering Development Office

In 1955, the University of Texas System Board of Regents authorized establishment of the Engineering Foundation Advisory Council (renamed the Engineering Advisory Board in 2007) to promote academic excellence in engineering education. Since then, with the board's leadership, the Cockrell School of Engineering has received generous support from individuals and corporations to develop programs of excellence. This philanthropy supports academic and leadership programs for students, scholarships for undergraduate students, fellowships for graduate

students, facility development, and faculty support in the forms of endowed chairs and professorships, fellowships, and innovations in teaching and research. The Cockrell School's development staff encourages gifts to the school through the annual giving program, the establishment of endowments, estate planning, and the fostering of long-lasting relationships with alumni, friends, and corporate partners.

## Financial Assistance through the School Engineering Scholarship Program

The Engineering Scholarship Program recognizes students in the Cockrell School of Engineering with scholarship awards based primarily on merit and leadership. To be considered for engineering scholarships, future students can submit either the ApplyTexas application or the Coalition for College application through the University by December 1, completing the scholarship section and marking engineering as their first-choice major. Additionally, students should acknowledge the Engineering Honors Program question with their interest on the admission application, also due by December 1.

Current engineering students should complete the online engineering scholarship application by April 1 each year to be considered for scholarship awards from the Cockrell School and from their department for the following year. Information for scholarship recipients and links to additional scholarship resources is available at <https://students.engr.utexas.edu/policies-forms/scholarship-policies>

## Student Services

### Engineering Student Services

Engineering Student Services (ESS) serves the University and the public by helping to recruit, retain, and graduate engineering students. The office aims to accomplish this mission by providing personal and responsive guidance and support throughout each student's University experience. The staff strives to provide a foundation for students to develop successful lives, careers, and long-term relationships with the Cockrell School of Engineering and The University of Texas at Austin.

The Assistant Dean for Engineering Student Services and the academic advisors represent the dean in all student matters. Academic advisors strive to build a strong foundation for academic and professional success for all engineering students, through personalized and responsive guidance throughout the four-year college experience. In addition, the ESS staff helps students, staff, and faculty navigate the policies and procedures of the Cockrell School and the University. Students may seek assistance in person in the Engineering Education and Research Center (EER) 2.848, by phone at (512) 471-4321, or by e-mail to [studentservices@engr.utexas.edu](mailto:studentservices@engr.utexas.edu). Engineering Student Services also provides information online at <https://students.engr.utexas.edu/academics-advising/advising>.

### Career Services

The Engineering Career Assistance Center (ECAC) helps engineering students with job search and career planning through counseling, workshops, and campus recruiting and interviews. Engineering students should register with ECAC beginning in August each academic year to receive full benefit of the center's services.

ECAC offers individual career counseling services to engineering students on a walk-in basis and by appointment. Topics addressed in individual counseling sessions and workshops include career planning and exploration, résumé writing, interviews, site visits, and evaluating job offers.

ECAC hosts interviews in its 27 interview rooms throughout the fall and spring recruiting seasons. Employers seek graduating students, co-op students, and summer interns in all engineering disciplines.

ECAC encourages engineering students to visit our office in person in the Engineering Education and Research Center (EER) 2.604. Engineering students can also visit ECAC online at <http://www.engr.utexas.edu/student-life/career-services> and reach out to ECAC via e-mail at [ecac@engr.utexas.edu](mailto:ecac@engr.utexas.edu) or phone at (512) 471-1915.

## Cooperative Engineering Education Program

The Cooperative Engineering Education (Co-op) Program is an academic program that allows undergraduate students to obtain full-time engineering experience before they graduate. Students gain work experience directly related to their field of engineering by alternating semesters of full-time campus study with training in industry. Students complete career developments and a technical report during the course.

To realize the full academic and professional value of the Co-op Program, students complete either two or three semesters with the same employer in a cooperative engineering position. Students receive two hours of letter-grade credit for a spring or fall semester work term and one hour for a summer term. Students should apply for the Co-op Program at least one semester before planning to begin a co-op work term.

Students may apply for the first work term after completing 28 semester hours of basic sequence coursework, which includes eight hours of physics, eight hours of calculus, and at least one course in the selected engineering major. Students must have an overall University grade point average (GPA) of at least 2.50, a GPA in the major area of study of at least 2.00, and at least twelve semester hours of degree-applicable coursework left to complete after the final co-op term. Students may apply for the program after one semester at the University.

Engineering students can visit the Co-op Program in EER or online at <http://www.engr.utexas.edu/ecac/coop/>. Engineering students can reach the Co-op Program via e-mail at [co-op@engr.utexas.edu](mailto:co-op@engr.utexas.edu), or by phone at (512) 471-5954.

## UTeach-Engineering

UTeach-Engineering is an innovative program that prepares engineering students to teach mathematics, physical science, and engineering to students in grades eight through twelve. The program, a collaboration between the Cockrell School of Engineering, the College of Natural Sciences, the College of Education, and area school districts, seeks to attract interested students to explore teaching in conjunction with their undergraduate experience. Upon completing the program, students graduate with a bachelor's degree and are recommended for a secondary school teaching certificate. The UTeach-Engineering program invites students to explore their interest in teaching as early as the freshman year. Key features of the program include field experience, mentorship, seminar instruction, cohort support and innovative use of technology. UTeach-Engineering students gain experience in public school classrooms as they teach progressively longer lessons under the guidance of a mentor teacher. By working with some of Texas's most respected secondary school teachers, students quickly learn whether they are suited for the teaching profession.

## Study Abroad

International Engineering Education offers programs designed for Longhorn Engineers so they can take study abroad first-hand without delaying graduation. Participants may apply their scholarships and financial aid loans to all necessary costs, including tuition and fees, required travel, insurance and living expenses. Most programs do not have any foreign language requirements so students may

take engineering courses while also exploring global innovation, entrepreneurship, and service through immersion in industry, laboratories and communities abroad.

As one of the best engineering schools in the country, the Cockrell School of Engineering prides itself in providing international engineering education opportunities to prepare its students to become global leaders and innovators. For this generation of engineers, developing an international perspective and global leadership skills is fundamental. The engineering profession has a central role in the globalized marketplace. Industry leaders and government experts urge engineering students to immerse themselves in other cultures to learn to effectively work and successfully compete but also to collaborate with other countries on special projects, products, and solutions for the global challenges of the twenty-first century. Engineers lead the world in developing and managing high technologies and companies that improve and affect our daily quality of life, health, security, education, economy, and world peace.

We offer a variety of programs for all majors and class levels so that every interested student can find an opportunity. Students may study abroad as early as the end of their first year. Maymesters, typically starting at the end of May, offer one course abroad that is taught by outstanding Cockrell School of Engineering faculty. They offer invaluable faculty mentorship and academic inspiration to students throughout their career. Most short summer programs are between four to 8 weeks and offered from the end of May to the beginning of August. They may offer more than one course. The costs of these programs vary depending on location, duration and activities.

Advanced sophomores, juniors and fall semester seniors may participate in bilateral exchanges with selected partner universities abroad. Exchange students immerse themselves fully in another academic and cultural environment for at least four months during the fall or the spring or both semesters. They take a full load of courses from the host university's regular university offerings. The courses are usually offered in English or, if the student is sufficiently proficient, they may also study in courses offered in the host country's language. Students pay the same tuition and fees that they pay to attend The University of Texas at Austin. The other living expenses vary depending on the location.

Apart from the traditional summer study abroad, we also offer engineering students other types of international programs that provide very valuable experiential learning. These are usually in the summer and include industry and research immersion internships. Projects with Underserved Communities (PUC) offers a fall and spring engineering course sequence that focuses on project development and project management to prepare students for a short summer implementation phase at a community abroad.

All engineering students are highly encouraged to participate in at least one global learning experience. The International Engineering Education office holds frequent information session sessions and one-on-one advising to help students plan how to globalize their education and select a program that best suits their interests. For more information, please visit <http://www.engr.utexas.edu/academics/undergraduate-education/study-abroad/>.

## Advising

### Academic Advising

There are several offices within the Cockrell School that work together to provide the engineering student with academic advising services. It is the engineering student's responsibility to be aware of these services and to take advantage of them. Faculty, departmental, and Engineering Student Services academic advisors are available throughout the year

to discuss matters that affect the student's academic progress toward degree completion.

To facilitate movement through an academic program, each engineering student must be advised in his or her major department before registering for each semester or summer session. Each student should review his or her audit every semester through IDA, the University's Interactive Degree Audit system. The advising audit lists the courses remaining in the student's degree plan and the requirements the student has not yet fulfilled. It normally provides an accurate statement of requirements, but the student is responsible for knowing the exact requirements for the degree as stated in a catalog under which he or she is entitled to graduate.

## Counseling and Referral Services

University counseling services are available from the Counseling and Mental Health Center, the Telephone Counseling Service and University Health Services. These offices are described in [General Information Catalog](#).

## Counselors in Academic Residence Program (CARE)

CARE is a program of the Counseling and Mental Health Center, which provides a licensed mental health professional to work with students who have been referred by faculty and staff. CARE counselors integrate in the college and provide support and consultation on mental health issues for advisors, faculty and dean's staff. The Engineering CARE counselor is located in the Engineering Student Services Office.

## Student Organizations and Programs

### Engineering Student Life

Engineering Student Life (ESL) aims to enhance leadership abilities of all engineering students as a means to establish confidence in communication, teamwork and ethics skills needed for the professional world. ESL hosts professional development retreats like The LeaderShape Institute and Ramshorn Retreats, for individuals seeking personal enrichment, which also include enhanced leadership opportunities for advanced students. As the Cockrell School's primary liaison to the over eighty-five engineering student organizations, ESL provides officer training and advising for group leaders. To foster a welcoming and collaborative environment within the Cockrell School, ESL coordinates community building events like Gone to Engineering and Dean's Study Breaks. These professional development and social networking opportunities augment the student's college experience by allowing them to interact with other motivated students, provide venues to envision big goals, and practice partnering to accomplish complex projects.

Additional information about Engineering Student Life and engineering student organizations is available in person in the Engineering Education and Research Center (EER) 2.848, online at <https://students.engr.utexas.edu/student-life-resources>, by phone at (512) 232-5778, and by e-mail at [studentlife@engr.utexas.edu](mailto:studentlife@engr.utexas.edu).

## Ramshorn Scholars Program

The Ramshorn Scholars Program (RSP) is an engineering academic learning community designed to facilitate student success in engineering and at UT Austin. As a part of the Ramshorn Scholars Program, student status as an engineer-in-training is kept front and center through interactive programming and specialized resources.

RSP aims to create a community that promotes and helps students achieve academic excellence. In fact, the Ramshorn is a symbol

with deep roots in the Cockrell School that has defined academic achievements for our student engineers for decades.

Additional information about RSP is available in person in the Engineering Education and Research Center (EER) 2.848, online at <https://students.engr.utexas.edu/support-services/ramshorn-scholars-program>, by phone at (512) 471-4321, and by e-mail to [ramshornschemars@engr.utexas.edu](mailto:ramshornschemars@engr.utexas.edu).

## Equal Opportunity in Engineering Program

The Equal Opportunity in Engineering (EOE) Program invites students to become part of an exciting community that focuses on academic success and personal growth. EOE initiatives such as the Fall Kick-Off, First-Year Interest Groups (FIGs), and Engineering Peer Leaders help students establish a strong academic foundation and promote the formation of a peer support network. In addition, EOE provides students with access to tutoring, undergraduate research opportunities through the Texas Research Experience (TREX) program, and professional development workshops. In partnership with Pi Sigma Pi Minority Academic Engineering Society, the National Society of Black Engineers, and the Society of Hispanic Professional Engineers, the EOE Program builds a network that makes it easy to meet other engineering students, form study groups, and develop friendships that last well after graduation.

The Cockrell School established the EOE Program in 1970 to promote the recruitment and academic development of African American, Hispanic, and Native American students interested in pursuing careers in engineering. Since that time, EOE has expanded its goals and now seeks to increase the diversity of its student body by supporting students who come from historically underrepresented population groups in Texas or who have backgrounds or experiences that will contribute to the overall diversity of the Cockrell School of Engineering.

Additional information about the EOE Program is available in person in the Engineering Education and Research Center (EER) 2.608, online at <http://www.engr.utexas.edu/eoe/>, by phone at (512) 471-5953, and by e-mail to [eo@engr.utexas.edu](mailto:eo@engr.utexas.edu).

## Women in Engineering Program

The Women in Engineering Program (WEP) has a goal to increase the overall percentage of women enrolled in and graduating from the Cockrell School of Engineering. WEP connects students, educators, and professionals to the world of engineering through recruitment initiatives, supportive structures, and educational services to promote the success and advancement of women in engineering.

WEP's First-Year Initiative (FYI) provides academic and peer support to connect first-year students to the engineering community. The Women in their Second Year of Engineering (WISE) and Consider Every Option (CEO) programs and workshops provide career exploration opportunities to help second-year students and beyond discover possibilities and make informed decisions for the future. Graduates Linked with Undergraduates in Engineering (GLUE) gives students opportunities to gain practical research experience, and WEP leadership and career development seminars help prepare students for leadership roles in the engineering profession.

Additional information about WEP is available in person in the Engineering Education and Research Center (EER) 2.608, online at <http://www.engr.utexas.edu/wep/>; by phone at (512) 471-5650; and by e-mail at [wep@engr.utexas.edu](mailto:wep@engr.utexas.edu).

# Admission and Registration

## Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. All students who wish to major in engineering must be admitted to the University according to the procedures given in the [General Information Catalog](#).

Information is available from The University of Texas at Austin, Engineering Education and Research Center (EER), Cockrell School of Engineering, 2501 Speedway, C2108, Austin TX 78712. The telephone number is (512) 471-4321.

Students who have questions about the requirements of a specific degree plan should contact the appropriate departmental advising office. Additional information about academic advising can be found at <http://www.engr.utexas.edu/undergraduate/advising>.

## Freshman Admission

Freshman applicants seeking admission to the Cockrell School must meet the calculus readiness requirement by the official admissions application deadline. More information about calculus readiness is available at <http://www.engr.utexas.edu/undergraduate/admission/calculus/>.

Applicants to the Cockrell School may submit the ApplyTexas application or the Coalition for College Access, Affordability and Success application and select engineering as a first-choice major. When selecting a second-choice major, freshman applicants may choose from one of the many other majors offered at the University, and choose a second major that aligns with their interests.

## Transfer Admission

### Internal Transfer

Internal transfer describes the process of a currently enrolled undergraduate student at The University of Texas at Austin moving from one college to another or moving within the Cockrell School from one major to another. Students must apply for internal transfer into Cockrell School majors through an online application. Admission is competitive and based on space availability. Students must meet ALL of the requirements below to be considered for transfer into a major in the Cockrell School of Engineering. Coursework and GPA for the semester in which a student applies for a change of major will be included in the transfer application. The University of Texas at Austin degree holders seeking a second degree in engineering should contact Engineering Student Services for information on a separate application process.

### Requirements and Application Deadlines

All applicants will be required to submit a short 500-word essay, utilizing the listed guidance in the Cockrell School's [Change of Major/Internal Transfer](#) website. Conditions for accepting a new engineering major (or adding an engineering major as a second major) are also listed on the [Change of Major/Internal Transfer](#) website. If admission to a new engineering major is accepted, a student is ineligible to apply to internally transfer to a different engineering major for two long semesters. After two long semesters, if the student meets all internal transfer requirements, they will be eligible to apply. This cannot be appealed.

### First-Semester Engineering Students

- Proposed semester for transfer: spring
- Current college of enrollment: Cockrell School of Engineering

- Required in-residence credit hours completed: 12 hours minimum (credit by exam, UT Correspondence, UT Extension, and transfer hours from another university are not counted)
- Minimum cumulative in-residence GPA 3:0
- Minimum GPA in all required technical courses for proposed major: 3:0
- Credit for Mathematics 408C (or math course beyond M 408C) in residence; a minimum of one other in-residence technical course toward your proposed major. Technical courses include math, science, and departmental courses for proposed engineering major. Please refer to the engineering [Degrees and Programs](#) (p. 153) section of this catalog for in-residence technical course options within each linked degree major program. For additional information, see the [Change of Major/Internal Transfer website](#).
- Application deadline: December 15 (application opens November 15)

### Continuing Engineering Students

- Proposed semester for transfer: summer, fall, or spring
- Current college of enrollment: Cockrell School of Engineering
- Required in-residence credit hours completed: 24 hours minimum (credit by exam, UT Correspondence, UT Extension, and transfer hours from another university are not counted)
- Minimum cumulative in-residence GPA 3:0
- Minimum GPA in all required technical courses for proposed major 3:0
- Credit for Mathematics 408D or 408M; Physics 303K and 103M; a minimum of four in-residence technical courses toward the proposed major. Technical courses include math, science, and departmental courses for a proposed engineering major. Please refer to the engineering [Degrees and Programs](#) (p. 153) section of this catalog for in-residence technical course options within each linked degree major program. For additional information, see the [Change of Major/Internal Transfer website](#).
- Application deadline: December 15 for spring transfer (application opens November 15) or May 15 for summer/fall transfer (application opens April 15)

### All Other UT Austin Students

- Proposed semester for transfer: fall
- Current college of enrollment: Any UT Austin college except the Cockrell School of Engineering
- Semesters completed at UT Austin before transfer: four long semesters (fall/spring) or less
- Required in-residence credit hours completed: 24 hours minimum and 60 hours maximum (credit by exam, UT Correspondence, UT Extension, and transfer hours from another university are not counted)
- Minimum cumulative in-residence GPA: 3.0
- Minimum GPA in all required technical courses for proposed major 3.0
- Credit for Mathematics 408D or 408M; Physics 303K and 103M; a minimum of four in-residence technical courses toward the proposed major. Technical courses include math, science, and departmental courses for a proposed engineering major. Please refer to the engineering [Degrees and Programs](#) (p. 153) section of this catalog for in-residence technical course options within each linked degree major program. For additional information, see the [Change of Major/Internal Transfer website](#).
- No more than one previous attempt to transfer into the Cockrell School of Engineering is permitted. Third applications are not

allowed. An application for two different engineering majors in the same semester counts as one single attempt.

- Application deadline: May 15 (application opens April 15)

## External Transfer

External transfer applicants will be required to meet the following minimum criteria to be considered for admission to an engineering major:

- Transfer credit for Mathematics 408L, 408M, or 408D
- Transfer credit for Physics 303K and 103M
- Transfer credit for at least four technical courses, including the mathematics and physics coursework listed above. Technical courses include courses offered in math, physics, chemistry, biology, geology, computer science, or engineering.

## Guidelines for Transfer Students

- a. Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in the [General Information Catalog](#). All transfer applicants must submit transcripts of all college and high school coursework.
- b. Only courses listed in the student's engineering degree program, or equivalent courses accepted by the department chair and approved by the dean, may be counted toward an engineering degree. A course may therefore be accepted for transfer credit but not be applicable toward an engineering degree.
- c. Courses that are common to all degree programs in the Cockrell School are listed in [Requirements Included in All Engineering Degree Plans](#) (p. ). These may be taken at any school offering courses acceptable for transfer to the University.
- d. Completion of sequences of technical courses in the major area sometimes requires five or more semesters. Therefore, most transfer students should anticipate a minimum of five semesters in residence at the University.

## Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published online before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes.

To register for a course, a student must fulfill the prerequisite given in the catalog or course schedule. If the student has not fulfilled the prerequisite, he or she must obtain the approval of the department offering the course before registering for it.

## Academic Policies and Procedures

### Grade Point Average for Academic Decisions

In the Cockrell School of Engineering, the grade point average used in all academic decisions is the average of grades the student has earned in residence in courses applicable to the degree. Academic decisions are decisions about engineering probation, engineering dismissal, internal transfer (change of major), admission to the Engineering Honors Program, designation as an Engineering Scholar, eligibility for graduation, and eligibility for graduation with University Honors.

## Quantity of Work Rule

### Maximum Number of Hours in the Long Session

As used in items 1 and 2 below, "coursework" includes correspondence courses, extension courses, distance education courses, nonrequired electives, physical activity courses, and courses for which the student is registered concurrently at another institution.

- a. An engineering student may not register for more than 17 semester hours of coursework without an approved application to do so. Application is made online at <https://students.engr.utexas.edu/policies-forms>
- b. No student may register for more than 21 semester hours of coursework during any long-session semester.

### Rules for the Summer Session

A student may not receive credit for more than 14 semester hours during a 12-week summer session or for more than eight semester hours in a six-week summer term. These limits apply whether the courses are taken at the University or another institution. For more information about the quantity of work allowed in the summer, see the [General Information Catalog](#).

## Repetition of a Course

An undergraduate in the Cockrell School may not enroll in any lower division courses in engineering, geology or natural sciences required by the engineering degree plan more than twice. A symbol of *Q* or *W* counts as an enrollment unless it is recognized as nonacademic by the dean's office. Undergraduates will receive a secure academic note (SAN) with permission to enroll in a course for a third attempt if the student has a symbol *Q* or *W* in earlier attempts that is recognized as nonacademic by the dean's office.

To request permission to enroll in a course for a third or more attempt a student must submit a written appeal at <https://students.engr.utexas.edu/policies-forms>. A student may receive departmental advisor approval to enroll in a course a third or more times only if the student has a substantiated nonacademic reason for not successfully completing the course in earlier attempts. Documentation may be required by the departmental advisor to support the substantiated nonacademic reason. If the student is denied approval to enroll in a required course, he or she will be placed in the undeclared major code and must consider other eligible degree options.

A student who is denied approval to repeat a course in residence at the University will also be denied approval to complete the course by transfer, extension, correspondence, distance education, or credit by examination and then count it toward the degree.

A student in the Cockrell School may not repeat for a letter grade a course in which he or she has earned a grade of *C-* or better.

## Attendance

Engineering students are expected to attend all meetings of the classes for which they are registered. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes. With the approval of the dean, a student may be dropped from a course with a grade of *F* for repeated unexcused absences.

## Portable Computing Devices

All degree programs in the Cockrell School have specific expectations regarding portable computing devices. For more information, please see the catalog sections for these programs.

## Academic Standards

In addition to the scholastic standards described in the [General Information Catalog](#), the Cockrell School imposes the following academic standards. Students who fail to meet the standards stated in the *General Information Catalog* are placed on "scholastic probation" by the University. The probationary status given to those who fail to meet the following school standards is "engineering probation."

In cases with extenuating circumstances, the student may appeal to the dean for a waiver of any of the following requirements.

A student is placed on engineering probation under the following circumstances:

- If his or her grade point average in courses in the major area of study taken in residence falls below 2.00. The "major area of study" includes all courses in the student's discipline and required under the student's engineering degree plan. For specific degree plans, there are additional courses included in the "major area of study":
  - For architectural and civil engineering majors, the major area includes all courses in both architectural engineering and civil engineering;
  - For environmental engineering majors, the major area includes all courses in architectural engineering, civil engineering and environmental engineering;
  - For aerospace engineering majors, the major area includes all courses in both aerospace engineering and engineering mechanics;
  - For computational engineering majors, the major area includes all courses in computational engineering, aerospace engineering and engineering mechanics
  - For geosystems engineering and hydrogeology majors, the major area includes all courses in both geological sciences and petroleum and geosystems engineering.
- If the student's grade point average in required technical courses taken in residence falls below 2.00. "Required technical courses" are courses taken in the Cockrell School, the College of Natural Sciences, or the Jackson School of Geosciences and required under the student's engineering degree plan; they include approved technical elective courses.

Grades received at the University in all courses in the major area, including grades in courses that have been repeated, are included in computing the student's grade point average.

A student on engineering probation will be removed from probation at the end of a long-session semester or summer session if the student is no longer subject to engineering probation under either of the criteria above.

After being placed on engineering probation, a student must be removed from probation within the next two long-session semesters in which he or she is registered. A student who fails to be removed from engineering probation within this time will be placed on engineering dismissal from the school.

A student seeking to reenter the school after having been scholastically dismissed from the University must enroll as an undeclared major unless there is a reasonable likelihood that the student can complete the degree plan under which he or she last registered. A student seeking to reenter the school after having been dismissed from engineering must enroll as

an undeclared major. Students who are undeclared majors may not enroll in engineering courses.

Any student having academic difficulty should discuss his or her status with an academic advisor in the Engineering Student Services Office. Call (512) 471-4321 to set up an appointment with an academic advisor.

## Pass/Fail Option

All courses required for all engineering degrees must be taken for a letter grade unless the course is offered only on the pass/fail basis or if it meets the requirements for the Cockrell School of Engineering's semester exchange grading policy for study abroad. A student may elect to take courses that do not count toward the degree or are being taken to remove a deficiency on the pass/fail basis rather than for a letter grade. To elect the pass/fail system of grading:

- a. The student must have received at least 30 hours of college credit before registering for any course on the pass/fail basis, unless the course is offered only on the pass/fail basis.
- b. The student may take no more than two courses a semester on the pass/fail basis.
- c. The student may take up to five one-semester courses, including correspondence courses, on the pass/fail basis.
- d. The student must submit an application no later than the deadline given in the academic calendar at <https://students.engr.utexas.edu/policies-forms>.

For information on how to receive credit by examination, see the [General Information Catalog](#).

## Grade Policy for Semester Exchange (Study Abroad) Students

With permission of the undergraduate advisor in their department, engineering students may elect to place up to four exchange courses on their records with a *CR*, rather than a University of Texas at Austin letter grade. The following restrictions apply:

- a. Only courses completed on a semester exchange at a Cockrell School of Engineering partner institution qualify.
- b. Students must choose the Pass/Fail option by the usual University mid-semester deadline given in the academic calendar and must have prior permission of their undergraduate advisor before doing so. If the exchange university does not follow the same academic calendar at The University of Texas at Austin, the student must make this request before 60 percent of the course completion (usually about nine weeks from the start of class).
- c. The corresponding course in The University of Texas at Austin degree plan will determine the minimum grade requirement to obtain the *CR* grade (i.e., if the University course required a *C-* or better, the student must have earned the equivalent of *C-* or better on the exchange course to receive a *CR*; in the absence of a specified minimum grade requirement, the standard is an equivalent of *D-* or better).
- d. Courses in the engineering degree program taken on exchange programs with the *CR* grade option may be counted toward any requirements for the degree except courses being applied toward the 42 hour, University Core Curriculum requirements.
- e. No matter how many exchange courses a student takes, no more than two exchange courses per semester and no more than four total exchange courses with the *CR* grade can be applied toward the degree.
- f. Once a course is placed on The University of Texas at Austin record, the grade designation may not be changed.



## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in the [General Information Catalog](#).

### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the [General Information Catalog](#).

### Cockrell School Honors Program

The Cockrell School of Engineering offers a select group of students the opportunity to participate in the Engineering Honors Program (EHP), a non-curriculum based program designed to enhance the undergraduate experience outside the classroom. Participants gain access to scholarships for first-year students, honors housing, faculty mentors and community building events hosted by the EHP.

When submitting an admission application to the University through ApplyTexas or the Coalition for College Access, Affordability, and Success application, incoming first-year students should mark engineering as their first-choice major and indicate their intent to apply for honors. Students will receive additional instructions to complete the EHP application separately. Both the admission application and the EHP application are due December 1.

The Cockrell School also sends current students invitations to apply for the EHP after they complete 24 hours in residence and rank in the top 10 percent of their class and major. Eligible students must have at least 60 hours remaining in their degree program in order to receive an invitation to apply.

To remain in the EHP, students must maintain an in-residence grade point average of at least 3.50. The grade point average is evaluated each year after grades for the spring and summer semester have been awarded.

An EHP student who completes an optional undergraduate honors thesis will receive special honors designation on his or her transcript and is recognized during the graduation ceremony. Additional information about the honors thesis and the EHP is available at <https://students.engr.utexas.edu/academics-advising/honors-program>.

### Engineering Scholars

Engineering Scholars are designated each spring semester from the sophomore, junior, and senior classes. To be eligible, a student must be enrolled in the Cockrell School, must have completed at least 24 semester hours of coursework in residence while enrolled in the school, must have a grade point average that places him or her in the top 5 percent of the class, be of good character, and show promise of continued success in engineering. The grade point average used to determine the student's class rank includes only courses that the student has completed in residence and that are applicable to the degree.

## Professional and Honor Societies

Professional student organizations play an important role in the life of an engineering student. Many of these are student branches of national professional engineering organizations that endeavor to advance the profession of engineering by education, service, professional development, publication, and support of meetings, activities, and conferences. In addition to a variety of professional development and social activities, engineering student organizations frequently support projects that aid students and benefit the Cockrell School of Engineering, the University, and the community.

Honor societies are also an important part of the Cockrell School student community. Honor societies admit students who have established outstanding scholastic records and have demonstrated desirable character and leadership traits. The engineering honor societies are Beta Mu Epsilon (biomedical engineering); Chi Epsilon (civil engineering); Eta Kappa Nu (electrical and computer engineering); Omega Chi Epsilon (chemical engineering); Phi Alpha Epsilon (architectural engineering); Pi Epsilon Tau (petroleum and geosystems engineering); Pi Tau Sigma (mechanical engineering); and Sigma Gamma Tau (aerospace engineering); Tau Beta Pi selects top students from all engineering disciplines. Kappa Theta Epsilon is the cooperative engineering education honor society for all engineering majors who participate in the cooperative engineering program.

The Student Engineering Council is the governing body representing all undergraduate engineering students. Representatives to the council are elected by the professional student organizations and honor societies in the Cockrell School; members-at-large are elected annually. The Graduate Engineering Council is the governing body representing all graduate engineering students.

Engineering student organizations and honor societies are overseen by Engineering Student Life. A complete list of engineering societies is available at <https://students.engr.utexas.edu/student-life-resources>.

## Graduation

### Special Requirements of the School

All University students must have a grade point average of at least 2.00 to graduate. Students in the Cockrell School must also have an in-residence grade point average of at least 2.00 in all courses applicable to the degree, the major area of study and required technical courses. "Major area of study" and "required technical courses" are defined in the section "Academic Standards."

A candidate for a degree in engineering must be registered in the Cockrell School either in residence or in absentia the semester or summer session the degree is to be awarded. No later than the date given in the official academic calendar, the candidate must complete an online application form for graduation or graduation in absentia at <http://www.engr.utexas.edu/graduation/>.

All individual degree programs must include at least 48 semester hours of engineering coursework.

### Residence Rules

All University students must complete in residence at least 60 semester hours of the coursework counted toward the degree. In the Cockrell School, 30 of these 60 hours must be in the major field or in a field closely related to the major as approved by the major department and the dean.

At least the last 24 hours of technical coursework counted toward an engineering degree must be taken while the student is registered as an undergraduate engineering major at the University. A student seeking an exception to this requirement must obtain written approval in advance from the dean. Information about the petition process is available in the Engineering Student Services Office, located in the Engineering Education and Research Center (EER).

## Degree Audit

Each student should review his or her degree audit every semester through IDA, the University's Interactive Degree Audit system. The degree audit normally provides an accurate statement of requirements, but the student is responsible for knowing the requirements for the degree as stated in a catalog under which he or she is eligible to graduate and for registering so as to fulfill these requirements; see the rules on [graduation under a particular catalog](#) (p. 21). Since the student is responsible for correct registration toward completion of the degree program, he or she should first check the requirements with their department Undergraduate Advising Office and then seek an official ruling in the Engineering Student Services Office before registering if in doubt about any requirement. Avoidance of errors is the main purpose of the degree audit, but it remains the responsibility of the student to fulfill all catalog requirements.

## Applying for Graduation

Students must apply for graduation the first semester they are eligible to graduate. A student is eligible to graduate if their engineering degree audit is 100% complete. If a student fails to submit an application for degree by the deadline given in the academic calendar, an application for degree may be submitted by his or her academic Dean or designee. An application submitted under these circumstances cannot be canceled without a successful appeal to the Office of the Provost (Student Success Initiatives). Please refer to the Graduation Appeal Application for further information.

Please contact the Engineering Student Services Office, located in the Engineering Education and Research Center (EER) 2.848, or by phone at (512) 471-4321 for further questions.

## Nonresidence Coursework

A student in his or her final semester may not enroll concurrently at another institution in any course, including a distance education course, to be counted toward the degree. In the final semester, the student may also not enroll by extension or correspondence in coursework to be counted toward the degree. All transfer, extension, and correspondence coursework must be added to the student's official record before his or her last semester.

## Second Degrees

A student who completes a bachelor's degree in engineering may receive a second bachelor's degree in a second engineering discipline if the student meets all the requirements of the second degree that he or she did not meet in completing the first degree. This process is subject to approval by the Engineering Student Services Office. No student may receive two bachelor's degrees in the same discipline of engineering, even if the technical area options are different. For example, a student may receive the degree of Bachelor of Science in Chemical Engineering and that of Bachelor of Science in Mechanical Engineering but may not receive two Bachelor of Science in Chemical Engineering degrees. A student may not receive bachelor's degrees in both architectural engineering and civil engineering.

## Commencement

In addition to the University commencement ceremony held each spring, the Cockrell School holds a commencement ceremony in May. Degree candidates intending to graduate in the current academic year and who have applied to participate are eligible to attend the May commencement ceremony. Information about graduation and commencement is available at <http://www.engr.utexas.edu/graduation>.

## Registration as a Professional Engineer

The practice of engineering has a profound effect on public health, safety, and welfare. Therefore, the commitment to the public good through the licensing or registration provisions available in all states and many foreign countries is an important step in the professional development of an engineer. Becoming licensed in Texas as a professional engineer requires graduation from an approved curriculum in engineering, passage of the examination requirements, and a specific record of an additional four years or more of active practice in engineering work indicating that the applicant is competent to be placed in responsible charge of such work. Additional requirements include good character and reputation.

Engineering students are encouraged to take the Fundamentals of Engineering examination during their last long-session semester and to seek certification as an "engineer in training."

For additional information, contact the Texas Board of Professional Engineers or the equivalent agency in another state.

## Degrees and Programs

To satisfy the course requirements for an engineering degree, a student must earn credit for all of the courses listed in the curriculum for that degree.

With the exception of the newly introduced Bachelor of Science in Electrical and Computer Engineering degree, all University curricula leading to bachelor's degrees in engineering are accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org/>. ABET accreditation for the new degree is planned and is expected to be requested during this catalog cycle. ABET sets minimum standards for engineering education, defined in terms of curriculum content, the quality of the faculty, and the adequacy of facilities. Graduation from an accredited program is an advantage when applying for membership in a professional society or for registration as a professional engineer.

## Dual Degree Programs

### Engineering/Plan II Honors Program

A limited number of students whose high school class standing and admission test scores indicate strong academic potential and motivation may pursue a curriculum leading to both a bachelor's degree in engineering and the Bachelor of Arts, Plan II. This dual degree option, offered jointly by the Cockrell School and the Plan II Honors Program of the College of Liberal Arts, provides the student with challenging liberal arts courses while he or she also pursues a professional degree in engineering. Admission to this program requires at least two separate applications: one to the University and one to the Plan II Honors Program. Students should contact both the Cockrell School Engineering Student Services Office, located in the Engineering Education and Research Center (EER), and the Plan II office, located in Patton Hall (RLP), for more information on applications and early deadlines.

## Architectural Engineering/Architecture

A program that leads to both the Bachelor of Science in Architectural Engineering degree and the Bachelor of Architecture degree is available to qualified students. The program combines the course requirements of both degrees and requires six years for completion. Students who wish to pursue both degrees must apply for admission to the School of Architecture according to the procedures and deadlines established by the school. The program is described in [Bachelor of Architecture/Bachelor of Science in Architectural Engineering Dual Degree Program](#) (p. 36); additional information is available from the undergraduate advisor for architectural engineering.

## Honors Electrical and Computer Engineering and Business (ECB-Program)

Honors Electrical and Computer Engineering and Business (ECB) is a dual degree program between the Canfield Business Honors Program (Canfield BHP) and the Department of Electrical and Computer Engineering (ECE). The dual degree program's four-year undergraduate curriculum is aimed at preparing students for engineering and business careers. Students must successfully complete all requirements for both programs to receive a Bachelors of Science in Electrical and Computer Engineering with the ECE Honors transcript distinction and a Bachelor of Business Administration. The program is described in [Bachelor of Science in Electrical and Computer Engineering](#) (p. ); additional information is available from the undergraduate advisor for electrical and computer engineering.

## Simultaneous Majors

An engineering student may pursue two majors simultaneously. The student must follow all procedures and meet all requirements associated with both majors. An engineering student may not pursue two engineering majors simultaneously.

The simultaneous major option is available only to undergraduates who have been admitted to both degree programs.

## Technical Area Options

Several engineering degree programs require a student to select a "technical area option" and to complete a specified number of courses in that area. Other degree programs do not require a student to specify a particular option but allow the student to choose courses either within an area of specialty or more broadly across technical areas. Although most options are designed to help the student develop greater competence in a particular aspect of the major, others permit the student to develop background knowledge in areas outside the major. In many cases, students who elect the latter options intend to continue their education in professional or graduate school; these options are particularly appropriate for students who plan to work in those interdisciplinary areas where the creation of new technology through research and development is very important.

## Preparation for Professional School

Technical area options also allow the student to fulfill the special course requirements for admission to professional schools. For more information, students should consult an advisor who is familiar with the admission requirements of the professional program in which the student is interested.

## Medical School

A properly constructed program in engineering provides excellent preparation for entering medical school. The engineer's strong background in mathematics and natural science—combined with a

knowledge of such subjects as applied mechanics, fluid dynamics, heat transfer, thermodynamics, chemical kinetics, diffusion, and electricity and magnetism—enhance the mastery of many aspects of medical science. An engineering background is also useful to those who develop and use new instruments for detecting and monitoring medical abnormalities. The engineering/premedical programs described in this catalog usually afford opportunities to pursue alternative vocations for those who do not enter medical school. Students who intend to apply for admission to a medical school should contact the University's Health Professions Office for information about admission requirements and application and test deadlines.

## Dental School

Much of the information above about medical school applies also to dental school. All applicants must take the Dental Admission Test. Certain courses not taken by all engineers are also required, but these vary markedly from school to school. Students who are interested in dentistry can obtain specific information from the University's Health Professions Office.

## Law School

Each year a few graduates, representing all engineering disciplines, elect to enter law school, where they find their training in careful and objective analysis is a distinct asset. Many of these students are preparing for careers in patent or corporate law that will enable them to draw on their combined knowledge of engineering and law. Others may not plan to use their engineering knowledge directly, but they still find that the discipline in logical reasoning acquired in an engineering education provides excellent preparation for the study of law. Students interested in admission to the law school of the University should consult the [Law School Catalog](#). Students interested in pursuing law school outside of the University may utilize pre-law services of the Liberal Arts Career Service Center. In addition, the Engineering Career Assistance Center (ECAC) provides pre-law advising.

## Graduate Study in Business

Since many engineering graduates advance rapidly into positions of administrative responsibility, it is not surprising that they often elect to do graduate work in the area of business administration. In addition to an understanding of the technical aspects of manufacturing, the engineer has the facility with mathematics to master the quantitative methods of modern business administration.

Requirements for admission to the University's graduate business programs are outlined in the [Graduate Catalog](#). Many engineering degree programs offer technical area options that include business and management courses. These can be used with advantage by students who plan to do graduate-level work in business. Students interested in pursuing a graduate business program outside of the University may utilize the Engineering Career Assistance Center (ECAC) for career advising.

## ABET Criteria

The Engineering Accreditation Commission of ABET curriculum requirements specify subject areas appropriate to engineering but do not prescribe specific courses. The program curriculum must provide adequate content for each area, consistent with the student outcomes and program educational objectives, to ensure that students are prepared to enter the practice of engineering. The curriculum must include:

- a. a minimum of 30 semester credit hours (or equivalent) of a combination of college-level mathematics and basic sciences with experimental experience appropriate to the program

- b. a minimum of 45 semester credit hours (or equivalent) of engineering topics appropriate to the program, consisting of engineering and computer sciences and engineering design, and utilizing modern engineering tools
- c. a broad education component that complements the technical content of the curriculum and is consistent with the program educational objectives
- d. a culminating major engineering design experience that 1) incorporates appropriate engineering standards and multiple constraints, and 2) is based on the knowledge and skills acquired in earlier course work

## Liberal Education of Engineers

Each student must complete the University's Core Curriculum. The core curriculum includes the first-year signature course and courses in English composition, American and Texas government, American history, mathematics, science and technology, visual and performing arts, humanities, and social and behavioral sciences. It must be an integral part of all engineering degree programs, so that engineering graduates will be aware of their social responsibilities and the effects of technology on society. The University of Texas at Austin believes every undergraduate should be exposed to a set of skills and experiences in preparation for a complex world. To this end, all undergraduates at The University of Texas at Austin are required to earn flags: courses that include a substantial focus on cultural diversity in the U.S., ethics, global cultures, independent inquiry, quantitative reasoning, and writing.

With the appropriate selection of courses, the University's Core Curriculum, flags, and ABET general education requirements can be satisfied simultaneously.

## Social and Behavioral Sciences Requirement

As part of the University's Core Curriculum, each student must complete three semester hours of coursework in social and behavioral sciences. Additionally, the Core Curriculum social and behavioral science course may be satisfied simultaneously for flag requirement(s) as well as coursework in a potential minor and certificate program.

## Visual and Performing Arts Requirement

As part of the University's Core Curriculum, each student must complete three semester hours of coursework in visual and performing arts. Architectural engineering majors must take an approved architectural history course as part of the Bachelor of Science in Architectural Engineering requirement. This course (or its prerequisite) will fulfill the visual and performing arts requirement of the Core Curriculum. Additionally, the Core Curriculum visual and performing arts course may be satisfied simultaneously for flag requirement(s) as well as coursework in a potential minor and certificate program.

## Foreign Language Requirement

In accordance with the University's basic education requirements, all students must demonstrate proficiency in a foreign language equivalent to that shown by completion of two semesters of college coursework. Credit earned at the college level to achieve the proficiency may not be counted toward a degree. For a student admitted to the University as a freshman, this requirement is fulfilled by completion of the two high school units in a single foreign language that are required for admission; students admitted with a deficiency in foreign language must remove that deficiency as specified in the General Information Catalog.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. They may not be counted toward a degree in the Cockrell School. However, they are counted as courses for which the student is enrolled, and the grades are included in the University grade point average.

### ROTC Courses

The dean, upon recommendation of the department advisor, has the authority to substitute an equivalent air force science, military science, or naval science course or courses for a course or courses prescribed by the Cockrell School of Engineering, up to a maximum of 12 semester credit hours. Core Curriculum courses cannot be substituted.

### Correspondence and Extension Courses

Credit that a University student in residence earns simultaneously by The University of Texas at Austin correspondence/extension or elsewhere or through distance education at another school will not be counted toward a degree in the Cockrell School unless specifically approved in advance by the dean. Application for this approval should be made online or at the Engineering Student Services Office, located in the Engineering Education and Research Center (EER). No more than 20 semester hours required for any degree offered in the Cockrell School may be taken by correspondence and extension.

### Concurrent Enrollment

Concurrent enrollment refers to taking courses through The University of Texas at Austin Extension (UEX) program, or taking courses at another university or a community college. An engineering student must have the approval of the dean for concurrent enrollment. Application for this approval should be made online at <https://students.engr.utexas.edu/policies-forms/concurrent-enrollment>. A student may not enroll concurrently in any course counted toward the degree in the semester he or she will be graduating. More information about the approval process is available in the Engineering Student Services located in the Engineering Education Research Center (EER) 2.848, by email at [studentservices@engr.utexas.edu](mailto:studentservices@engr.utexas.edu) ([student-affairs@engr.utexas.edu](mailto:student-affairs@engr.utexas.edu)); or by phone at (512) 471-4321.

## Requirements Included in All Engineering Degree Plans

Each student must complete the University's Core Curriculum. In the process of fulfilling engineering degree requirements, students must also complete: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag and at least one writing flag are carried by courses specifically required for each engineering degree plan. As applicable, students are advised to fulfill the second writing flag and global culture and cultural diversity requirements with a course that meets another requirement of the core curriculum, such as the first-year signature course. Students are encouraged to complete flag requirements within the first and second year of their degree program. Additionally, students are encouraged to discuss options with his or her departmental academic advisor. Courses that may be used to fulfill flag requirements (p. ) are identified in the Course Schedule.

In addition, students in all engineering degree plans must complete the following requirements. In some cases, a course that fulfills one of the

following requirements may also be counted toward core curriculum or flag requirements; these courses are identified below.

Requirements		Hours
Engineering Communication (This course may also count towards the writing flag requirement and the ethics flag requirement.)		3
ECE 333T	Engineering Communication	
E S 333T	Engineering Communication	
M E 333T	Engineering Communication	
PGE 333T	Engineering Communication	
Mathematics		
M 408C	Differential and Integral Calculus (This course may also be used to fulfill the mathematics requirement of the core curriculum and the quantitative reasoning flag requirement.)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (May also be used to fulfill the quantitative reasoning flag requirement.)	4
Physics		
PHY 303K	Engineering Physics I (This course may also be counted toward the science and technology, Part I, requirement of the core curriculum and the quantitative reasoning flag requirement.)	3
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 303L	Engineering Physics II (This course may also be counted toward the science and technology, Part I, requirement of the core curriculum and the quantitative reasoning flag requirement.)	3
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1

## Length of Degree Program

An eight-semester arrangement of courses leading to the bachelor's degree is given for each of the engineering degree plans. The exact order in which the courses are taken is not critical, as long as the prerequisite for each course is fulfilled. A student who registers for fewer than the indicated number of hours each semester will need more than eight semesters to complete the degree. The student is responsible for including in each semester's work any courses that are prerequisite to those he or she will take the following semester.

## Bachelor of Science in Aerospace Engineering

The field of aerospace engineering developed because of humanity's desire for aircraft systems for military, commercial, and civilian purposes; it was first called aeronautical engineering or aeronautics. When the space age began, it was natural for aeronautical engineers to participate

in the development of spacecraft systems for space exploration. This branch of engineering became known as aeronautical engineering or astronautics, and the combined field is called aerospace engineering or aeronautics and astronautics. Because of the diverse nature of the work, the aerospace engineer must have a basic knowledge of physics, mathematics, digital computation, and the various disciplines of aerospace engineering: aerodynamics and propulsion, structural mechanics, flight mechanics and orbital mechanics, and control. Because of their extensive education in fundamental disciplines, aerospace engineers can work in areas other than aerospace engineering and are employed in a wide range of careers.

The objectives of the aerospace engineering degree program are to prepare students for professional practice in aerospace engineering and related engineering and scientific fields; to prepare students for such postbaccalaureate study as their aptitudes and professional goals may dictate; to instill in students a commitment to lifelong education and to ethical behavior throughout their professional careers; and to make students aware of the global and societal effects of technology. To meet these objectives, the faculty has designed a rigorous curriculum that emphasizes fundamentals in the basic sciences, mathematics, and the humanities, and integrates classroom and laboratory experiences in the engineering disciplines of aerodynamics and propulsion, structural mechanics, mechanics of materials, flight and orbital mechanics, controls, computation, electromechanical systems, design, and technical communication. The curriculum requires students to use modern engineering tools, to work individually, and to practice teamwork.

The first two years of the aerospace engineering curriculum emphasize fundamental material along with engineering sciences, while the third year introduces concepts in the areas of aerodynamics and propulsion, structural mechanics, flight mechanics and orbital mechanics, and flight control. The fourth year provides further depth in aerospace engineering, with emphasis on design and laboratory courses. During the junior year, the student elects to pursue one of two design tracks, atmospheric flight or space flight. Both tracks are complemented by general education courses and courses offered in other engineering disciplines. In addition, the student may choose electives that increase the breadth of the program or that provide additional depth within one or more subdisciplines within the department. All of the following subdisciplines are also represented in the elective options.

### Aerodynamics and Propulsion

This subdiscipline involves fluid motion, propulsion, lift and drag on wings and other bodies, high-speed heating effects, and wind tunnel investigation of these problems. Topics of study include fluid mechanics, gas dynamics, heat transfer, aerodynamics, propulsion, computational fluid dynamics, and experimental fluid mechanics.

### Structural Mechanics

This subdiscipline includes the study of airplane, spacecraft, and missile structures, the materials that make them efficient, and methods for testing, analysis, and design of new structural systems. Course topics include structural analysis, structural dynamics, materials (including advanced composites), aeroelasticity, experimental structural mechanics, and computer-aided design of structures.

### Flight Mechanics and Orbital Mechanics

Flight mechanics involves the analysis of the motion of aircraft, missiles, rockets, reentry vehicles, and spacecraft that are subjected to gravitational, propulsive, and aerodynamic forces; the study of uncontrolled motion of satellites and coasting spacecraft is usually referred to as orbital mechanics. Subject matter in these areas includes trajectory analysis and optimization; attitude dynamics, stability, and

control; flight test; orbit determination; orbital operations; systems engineering; sensors; satellite hardware applications; and simulation.

## Flight Control

Control theory is applied in aerospace engineering to the development of automatic flight control systems for aircraft (autopilots and stability augmentation systems), attitude control systems for satellites, and guidance and control systems for missiles, rockets, reentry vehicles, and spacecraft. Course topics include linear system theory, classical control theory, digital control, and probability theory.

## Student Outcomes

Attainment of these outcomes prepares graduates to enter the professional practice of engineering. Aerospace engineering graduates should demonstrate:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Portable Computing Devices

Students entering aerospace engineering are required to have access to a portable computing device capable of running the software tools required for undergraduate engineering analyses (MATLAB, SOLIDWORKS, Word, Excel, etc.) and accessing the remote server for the department. This device does not need to be brought to campus on a daily basis, but individual courses may require that the device be brought to certain lectures, labs, and/or exams. Minimum and recommended specifications may be found on the department website.

## Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course that fulfills one of the following requirements may also be counted toward Core Curriculum or flag requirements; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and both writing flags are carried by courses specifically required for the degree; these courses are

identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Courses used to fulfill technical elective requirements must be approved by the aerospace engineering faculty before the student enrolls in them.

The student must take all courses required for the degree on the letter-grade basis and must earn a grade of at least C- in each course, except for those listed as Remaining Core Curriculum courses. He or she must also maintain grade point averages of at least 2.00 in the major area of study and in required technical courses as described in [Academic Standards](#) (p. ), and a cumulative University grade point average of at least 2.00 as described in the [General Information Catalog](#).

Requirements		Hours
<b>Aerospace Engineering Courses</b>		
ASE 120K	Low-Speed Aerodynamics Laboratory	1
ASE 320	Low-Speed Aerodynamics	3
ASE 324L	Aerospace Materials Laboratory	3
ASE 330M	Linear System Analysis	3
ASE 362K	Compressible Flow	3
ASE 366K	Spacecraft Dynamics	3
ASE 367K	Flight Dynamics	3
ASE 370C	Feedback Control Systems	3
ASE 375	Electromechanical Systems	3
ASE 376K	Propulsion	3
<b>Chemistry</b>		
CH 301	Principles of Chemistry I (part II science and technology)	3
<b>Computational Engineering</b>		
COE 301	Introduction to Computer Programming	3
COE 311K	Engineering Computation	3
<b>Engineering Mechanics</b>		
E M 306	Statics	3
E M 311M	Dynamics	3
E M 319	Mechanics of Solids	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
M 427L	Advanced Calculus for Applications II	4
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3

## Rhetoric and Writing

RHE 306	Rhetoric and Writing (English composition)	3
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## Other required courses

Design track courses		7
Approved aerospace electives		9
Approved technical elective		3
Structures elective		3
M E 210	Engineering Design Graphics	2
M E 310T	Applied Thermodynamics	3
E S 333T	Engineering Communication (writing flag and ethics flag)	3

## Remaining Core Curriculum Courses

E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Social and behavioral sciences <sup>3</sup>		3
Visual and performing arts <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	

1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

2. Some sections carry a cultural diversity flag.

3. Some sections carry a global cultures and/or cultural diversity flag.

4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.

**Total Hours** **127**

## Design Track Options

The design track option allows the student to choose seven semester hours of courses in either atmospheric flight or space flight. Each student should choose a design track by the end of the first semester of the junior year and plan an academic program to meet the track requirements in the next three semesters. Many students choose electives that will strengthen their backgrounds in one specialty area, but this is not required. It should be noted that a student may choose the design courses in the other track as electives.

### Design Track 1, Atmospheric Flight

Also called aeronautics, this track provides the student with a well-rounded program of study emphasizing the major disciplines of aerodynamics, propulsion, structures, design, performance, flight mechanics, and control of aircraft. These subjects are treated at a fundamental level that lays a foundation for work in a broad variety of specialties in the aircraft industry. This option is intended for the undergraduate student whose primary interest is aircraft.

Aerospace Engineering 361K, *Aircraft Design I* (carries an independent inquiry flag)

Aerospace Engineering 361L, *Aircraft Design II* (carries a writing flag)

Aerospace Engineering 162M, *High-Speed Aerodynamics Laboratory*

### Design Track 2, Space Flight

Also called astronautics, this track offers a well-rounded program of study that provides a background in the traditional areas of materials, structures, propulsion, and controls, while also giving the student a chance to learn about the space environment, attitude determination and control, orbital mechanics, mission design, and spacecraft systems engineering. These subjects are treated at a fundamental level that lays a foundation for work in a broad variety of specialties in space-related industries. This option is intended for the undergraduate student whose primary interest is space and spacecraft.

Aerospace Engineering 166M, *Spacecraft Systems Laboratory*

Aerospace Engineering 374K, *Space Systems Engineering Design*

Aerospace Engineering 374L, *Spacecraft/Mission Design* (carries an independent inquiry flag and a writing flag)

### Structures Elective

The degree requires all students to take three semester hours of an approved structures elective.

Students pursuing the Design Track 1, Atmospheric Flight, must take Aerospace Engineering 365, *Structural Dynamics*, to fulfill this requirement.

Students pursuing Design Track 2, Space Flight, will choose one of four options to fulfill this requirement:

Aerospace Engineering 339/Engineering Mechanics 339, *Advanced Strength of Materials*

Aerospace Engineering 357, *Mechanics of Composite Materials*

Aerospace Engineering 365, *Structural Dynamics*

Computational Engineering 321K, *Computational Methods for Structural Analysis*.

### Aerospace Electives

The degree requires all students to take nine semester hours of approved aerospace electives. The list of approved electives may be found on the department website. For students pursuing Design Track 1, Atmospheric Flight, six of the nine hours must include Aerospace Engineering 364, *Applied Aerodynamics*, and either Computational Engineering 321K, *Computational Methods for Structural Analysis* or Computational Engineering 347, *Introduction to Computational Fluid Dynamics*.

### Special Projects Laboratories

The department offers students the opportunity to participate in special projects such as student-built radio-controlled aircraft competitions and student satellite-building projects. These time-intensive projects are open to all aerospace engineering students with at least 15 semester hours of University credit toward the degree and a grade point average of at least 2.50. Academic credit for participation in departmentally approved student projects is available on the pass/fail basis through the course Aerospace Engineering 128. Three such laboratory courses can be combined to count as one three-hour technical elective; one such laboratory course can be combined with a two-hour cooperative program to count as one three-hour technical elective.

## Suggested Arrangement of Courses, Aerospace Engineering (BSAsE)

First Year		Second Year		Summer Term	
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (Core) <sup>020, QR</sup>		4 M 408D (Major)		4 Study Abroad (Opportunity)	

# Bachelor of Science in Architectural Engineering

Buildings are the domain of architectural engineers and endpoints of this important engineering discipline. Americans spend over 70 total years of an average lifetime inside of buildings. As such, an important role of architectural engineers is to design buildings that are structurally resilient and able to withstand the loads that act on their exterior and interior surfaces. Because of the amount of time people spend in them, it is also important that buildings be designed, constructed, operated, and maintained to be healthy environments, free of airborne or surface contamination that can adversely affect occupants. Furthermore, buildings should also be comfortable environments that facilitate worker productivity and learning. In the United States, buildings account for nearly 40% of all energy use, over 70% of electricity use, and are major contributors to greenhouse gas emissions. As such, architectural engineers strive to design, construct, and operate both energy efficient and healthy buildings, with an increasing focus on the use of appropriate green building materials and products.

The building sector represents a major fraction of the United States economy, and buildings are by far the number one asset amongst all assets in the United States. Their appropriate design is critical for the people they serve, national and global economies, and for reasons of environmental sustainability. The curriculum in architectural engineering is designed to meet these needs. It offers training in the fundamentals of engineering, with specialization in structural analysis and design, building energy and environments, building construction, and materials. This curriculum affords the student the opportunity to attain competence in the structural design of resilient buildings, from high-rise office buildings to single-family homes, and from hospitals to schools. Courses in building energy and environments provide graduates with knowledge relevant to the design and operation of both energy efficient and healthy buildings. Students will also gain important knowledge related to sustainable construction practices, construction management, and modern building materials.

The extensive technical requirements, coupled with courses in arts and sciences, provide the architectural engineering student with an opportunity to obtain a background that is ideally suited for careers and positions of responsibility with consulting engineering firms, general contractors, manufacturers, government agencies, and architecture firms. The curriculum also serves as an excellent springboard to graduate study in the areas of structural engineering, building energy and environments, construction engineering and project management, or infrastructure materials engineering.

## Student Outcomes

Graduates of the architectural engineering program are expected to have

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

CH 301 (Core) <sup>030</sup>	3	COE 301 (Major)	3	Internship (Opportunity)	3	
RHE 306 (Core) <sup>010</sup>	3	PHY 303K & PHY 105M (Core) <sup>030, WR</sup>	4			
Social and Behavioral Sciences (Core) <sup>080</sup>	3	U.S. History (Core) <sup>060</sup>	3			
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	GOV 310L (Core) <sup>070</sup>	3			
	<b>16</b>		<b>17</b>			<b>0</b>
<b>Second Year</b>						
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>	
M 427J (Major) <sup>QR</sup>	4	M 427L (Major)	4	Study Abroad (Opportunity)	4	
E M 306 (Major)	3	COE 311K (Major)	3	Internship (Opportunity)	3	
PHY 303L & PHY 105N (Core) <sup>093</sup>	4	E M 311M (Major)	3			
M E 210 (Major)	2	E M 319 (Major)	3			
M E 310T (Major)	3	E S 333T (Major) <sup>E, Wr</sup>	3			
	<b>16</b>		<b>16</b>			<b>0</b>
<b>Third Year</b>						
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>	
ASE 320 & ASE 120K (Major)	4	ASE 362K (Major)	3	Study Abroad (Opportunity)	3	
ASE 330M (Major) <sup>QR</sup>	3	ASE 367K (Major)	3	Internship (Opportunity)	3	
ASE 366K (Major) Structures (Elective)	3	ASE course (Elective)	3			
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	ASE 370C (Major)	3			
	3	ASE 375 (Major)	3			
	<b>16</b>		<b>15</b>			<b>0</b>
<b>Fourth Year</b>						
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>	
ASE 376K (Major)	3	ASE 324L (Major)	3	(None)	3	
ASE course (Elective)	3	ASE course (Elective)	3			
ASE course (Elective)	3	Design 2 course (Elective)	3			
Design course + 1 Lab (Elective)	4	U.S. History (Core) <sup>060</sup>	3			
Visual and Performing Arts (Core) <sup>050</sup>	3	GOV 312L (Core) <sup>070</sup>	3			
	<b>16</b>		<b>15</b>			<b>0</b>
<b>Total credit hours: 127</b>						

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)



- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Program Educational Objectives

Graduates of the architectural engineering program should solve architectural engineering problems within a greater societal context. They should:

- Exhibit character and decision-making skills embodying professionalism and ethical behavior
- Apply knowledge, strong reasoning, and quantitative skills to design and implement creative and sustainable solutions
- Engage in lifelong learning to meet evolving engineering challenges facing society
- Exhibit strong communication, critical thinking, interpersonal, and management skills as leaders and contributors in the architectural engineering profession

## Dual Degree program in Architectural Engineering and Architecture

A program that leads to both the Bachelor of Science in Architectural Engineering degree and the Bachelor of Architecture degree is available to qualified students. The program combines the course requirements of both degrees and requires six years for completion. Students who wish to pursue both degrees must apply for admission to the School of Architecture according to the procedures and deadlines established by the school. The program is described in [Bachelor of Architecture/ Bachelor of Science in Architectural Engineering Dual Degree Program](#) (p. 36); additional information is available from the undergraduate advisor for architectural engineering.

## Portable Computing Devices

Student entering Architectural Engineering are required to have a laptop at their disposal. Laptops do not need to be brought to campus on a daily basis, but individual courses may require that a laptop be brought to class or lab sessions. For more information, see the list of [minimum system requirements](#).

## Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Architectural Engineering may also be counted toward the core curriculum; these courses are identified below. To ensure that courses used to fulfill the social and behavioral sciences and visual and performing arts requirements of the core curriculum also meet ABET criteria, students should follow the guidance given in Liberal Education of Engineers.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, the global cultures flag, and one writing flag are carried by courses specifically required for the

degree; these courses are identified below. Students are advised to fulfill the second writing flag requirement with a course that meets another requirement of the core curriculum. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Requirements		Hours
<b>Architectural Engineering Courses</b>		
ARE 102	Introduction to Architectural Engineering	1
ARE 217	Computer-Aided Design and Graphics	2
ARE 320K	Introduction to Design I	3
ARE 320L	Introduction to Design II	3
ARE 323K	Project Management and Economics	3
ARE 335	Materials and Methods of Building Construction	3
ARE 346N	Building Environmental Systems	3
ARE 346P or ARE 371	HVAC Design Energy Simulation in Building Design	3
ARE 366	Contracts, Liability, and Ethics (ethics flag)	3
ARE 465	Integrated Design Project (independent inquiry flag)	4
<b>Civil Engineering</b>		
C E 311K	Introduction to Computer Methods	3
C E 311S	Probability and Statistics for Civil Engineers	3
C E 319F	Elementary Mechanics of Fluids	3
C E 324P	Properties and Behavior of Engineering Materials	3
C E 329	Structural Analysis	3
C E 331 or C E 335	Reinforced Concrete Design Elements of Steel Design	3
C E 357	Geotechnical Engineering	3
<b>Chemistry</b>		
CH 301	Principles of Chemistry I (part II science and technology)	3
<b>Engineering Mechanics</b>		
E M 306	Statics	3
E M 319	Mechanics of Solids	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology)	3
PHY 303L	Engineering Physics II (part I science and technology)	3

Other Required Courses		
E S 333T	Engineering Communication (writing flag; ethics flag)	3
GEO 303	Introduction to Geology	3
M E 310T	Applied Thermodynamics	3
Approved architectural history elective (visual and performing arts; global cultures flag)		3
Approved mathematics or science elective		3
Approved technical electives		9
Remaining Core Curriculum Courses		
RHE 306	Rhetoric and Writing (English composition)	3
E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Social and behavioral science <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	
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1. Some sections of the listed English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.		
2. Some sections carry a cultural diversity flag.		
3. Some sections carry a global cultures and/or cultural diversity flag.		
4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.		
<b>Total Hours</b>		<b>126</b>

## Technical Electives

Technical electives in architectural engineering are listed in three areas of specialization below. Nine semester hours must be chosen from the following approved technical elective courses or selected with the approval of the department undergraduate advisor. Lower-division courses may not be used as technical electives.

### Area 1, Structural Engineering

Architectural Engineering 345K, *Masonry Engineering*  
 Architectural Engineering 362L, *Structural Design in Wood*  
 Civil Engineering 331, *Reinforced Concrete Design* or 335, *Elements of Steel Design*  
 Civil Engineering 360K, *Foundation Engineering* (carries an independent inquiry flag)  
 Civil Engineering 362M, *Advanced Reinforced Concrete Design* (carries an independent inquiry flag)  
 Civil Engineering 362N, *Advanced Steel Design* (carries an independent inquiry flag)  
 Civil Engineering 363, *Advanced Structural Analysis*  
 Civil Engineering 375, *Earth Slopes and Retaining Structures*  
 Engineering Mechanics 339, *Advanced Strength of Materials*

### Area 2, Building Energy and Environments

Architectural Engineering 346P, *HVAC Design* or 371, *Design of Energy Efficient and Healthy Buildings*  
 Architectural Engineering 370, *Design of Energy Efficient and Healthy Buildings*

Civil Engineering 341, *Introduction to Environmental Engineering*  
 Mechanical Engineering 339, *Heat Transfer*  
 Mechanical Engineering 374F, *Fire Science*  
 Mechanical Engineering 374S, *Solar Energy Systems Design*  
 Mechanical Engineering 379N, *Engineering Acoustics*

### Area 3, Construction and Infrastructure Materials Engineering

Architectural Engineering 358, *Cost Estimating in Building Construction*  
 Architectural Engineering 376, *Building Information Modeling for Capital Projects*  
 Civil Engineering 351, *Concrete Materials*  
 Mechanical Engineering 349, *Corrosion Engineering*  
 Mechanical Engineering 378K, *Mechanical Behavior of Materials*  
 Mechanical Engineering 378P, *Properties and Applications of Polymers*

## Suggested Arrangement of Courses, Architectural Engineering (BSArchE)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARE 102 (Major)		1 Approved architectural history course (Core) <sup>050, GC</sup>		3 Study Abroad (Opportunity)	
CH 301 (Core) <sup>030, QR</sup>		3 GEO 303 (Major)		3 Internship (Opportunity)	
M 408C (Core) <sup>020, QR</sup>		4 M 408D (Major)		4	
RHE 306 (Core) <sup>010</sup>		3 PHY 303K & PHY 105M (Core) <sup>030, QR</sup>		4	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
		<b>14</b>			<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C E 311K (Major)		3 ARE 217 (Major)		2 Study Abroad (Opportunity)	
E M 306 (Major)		3 C E 311S (Major) <sup>QR</sup>		3 Internship (Opportunity)	
M 427J (Major) <sup>QR</sup>		4 E M 319 (Major)		3	
PHY 303L & PHY 105N (Core) <sup>030</sup>		4 C E 319F (Major)		3	
U.S. History (Core) <sup>060</sup>		3 E S 333T (Major) <sup>E, Wr</sup> & U.S. History (Core) <sup>060</sup>		3	
		<b>17</b>			<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARE 320K (Major)		3 ARE 320L (Major)		3 Study Abroad (Opportunity)	
C E 324P (Major)		3 ARE 335 (Major)		3 Internship (Opportunity)	
C E 329 (Major)		3 ARE 346N (Major)		3	
C E 357 (Major)		3 C E 331 or 335 (Major)		3	
M E 310T (Major)		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
		<b>15</b>			<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARE 323K (Major)		3 ARE 465 (Major)		4 (None)	
ARE 346P or 371 (Major)		3 ARE 366 (Major)		3	

Approved Math/science course (Major)	3 American and Texas Government (Core) <sup>070</sup>	3	
Approved technical course (Major)	3 Approved technical courses (Major)	6	
American and Texas Government (Core) <sup>070</sup>	3		
	<b>15</b>	<b>16</b>	<b>0</b>
<b>Total credit hours: 126</b>			

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Biomedical Engineering

The mission of the Department of Biomedical Engineering is to develop clinically translatable solutions for human health by training the next generation of biomedical engineers, cultivating leaders, and nurturing the integration of science, engineering, and medicine in a discovery-centered environment. The main educational objective is to provide a thorough training in the fundamentals of engineering science, design, and biology. The curriculum is designed to provide concepts central to understanding living systems from the molecular and cellular levels to the tissue and organismal levels. The curriculum incorporates principles of vertical integration, leading to the choice of a technical area (biomedical imaging and instrumentation, cellular and biomolecular engineering, computational biomedical engineering, or molecular, cellular, and tissue biomechanics), and culminates in a team capstone design experience. Students are expected to develop an understanding of industrial, research, and clinical biomedical engineering environments; an understanding of regulatory issues and biomedical ethics; the ability to create, identify, formulate, and solve biomedical engineering problems; the ability to design systems to meet needs in medical/life science applications; an understanding of life processes at the molecular, cellular, tissue, and organismal levels; the ability to use instrumentation and to make measurements and interpret data in living systems; and an appreciation of the interdisciplinary nature of biomedical engineering research.

### Portable Computing Devices

Students entering biomedical engineering are required to have a laptop computer. Laptops do not need to be brought to campus on a daily basis, but individual courses may require that a laptop be brought to certain lectures, labs, and/or exams. Minimum requirements for the laptop are listed on the department's website.

## Student Outcomes

Graduates of the biomedical engineering program are expected to have:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specific needs with consideration of public health, safety, and welfare, as well as global, cultural, societal, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Program Educational Objectives

Achievement of the preceding program outcomes gives students the foundation for accomplishing the biomedical engineering program educational objectives. A few years after graduation, students are expected to be able to:

- Conduct themselves with exemplary professional ethics and highest integrity
- Demonstrate a quantitative, analytical, and systems approach to problem solving in their professional practice
- Demonstrate a continuous quest for professional excellence and success
- Participate in continuing education to expand their knowledge of contemporary professional issues
- Exhibit effective scientific, technical, communication, and resource management skills in their professional practice

## Curriculum

Course requirements include courses within the Cockrell School of Engineering, and other required courses. In addition, each student must complete the University's [core curriculum](#) (p. 23). In some cases, a course that fulfills one of the following requirements may also be counted toward core curriculum or flag requirements; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and the two writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Prior to registration, students must receive approval from the Biomedical Engineering Academic Advising Office for courses to be used to fulfill technical and nontechnical course requirements. The student must take

all courses required for the degree on the letter-grade basis and must earn a grade of at least C- in each, except for those listed as Remaining Core Curriculum Courses.

Requirements		Hours
<b>Biomedical Engineering Courses</b>		
BME 214L	Computational Fundamentals of Biomedical Engineering Design	2
BME 245L	Experimental Principles of Biomedical Engineering Design	2
BME 261L	Development and Analysis in Biomedical Engineering Design	2
BME 303	Introduction to Computing	3
BME 303L	Introduction to Biomedical Engineering Design	3
BME 311	Network Analysis in Biomedical Engineering	3
BME 313L	Introduction to Numerical Methods in Biomedical Engineering	3
BME 335	Engineering Probability and Statistics	3
BME 343	Biomedical Engineering Signal and Systems Analysis	3
BME 344	Biomechanics	3
BME 349	Biomedical Instrumentation	3
BME 352	Engineering Biomaterials	3
BME 353	Transport Phenomena in Living Systems	3
BME 355	Molecular Engineering	3
BME 365R	Quantitative Engineering Physiology I	3
BME 365S	Quantitative Engineering Physiology II	3
BME 370	Biomedical Engineering Capstone Design I (writing flag)	3
BME 371	Biomedical Engineering Capstone Design II (independent inquiry flag)	3
Approved technical area elective		12
<b>Biochemistry and Biology</b>		
BCH 369	Fundamentals of Biochemistry	3
BIO 206L	Introductory Laboratory Experiments in Biology	2
BIO 311C	Introductory Biology I	3
<b>Chemistry</b>		
CH 128K	Organic Chemistry Laboratory	1
CH 301	Principles of Chemistry I	3
CH 302	Principles of Chemistry II	3
CH 204	Introduction to Chemical Practice	2
CH 320M or CH 328M	Organic Chemistry I	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4

<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3
<b>Rhetoric and Writing</b>		
RHE 306	Rhetoric and Writing (English composition)	3
<b>Other Required Courses</b>		
E S 333T	Engineering Communication (writing flag and ethics flag)	3
<b>Remaining Core Curriculum Courses</b>		
E 316L or E 316M or E 316N or E 316P	British Literature <sup>1</sup> American Literature World Literature Masterworks of Literature	3
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Social and behavioral sciences <sup>3</sup>		3
Visual and performing arts <sup>3</sup>		3
UGS 302 or UGS 303	First-Year Signature Course <sup>4</sup> First-Year Signature Course	3
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1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.		
2. Some sections carry a cultural diversity flag.		
3. Some sections carry a global cultures and/or cultural diversity flag.		
4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.		
<b>Minimum Required</b>		<b>133</b>

## Integrated Bachelor of Science in Biomedical Engineering/Master of Science in Engineering Program

The integrated degree program results in simultaneously awarding a Bachelor of Science in Biomedical Engineering (BSBME) and a Master of Science in Engineering (MSE) degree offered by the graduate program in biomedical engineering. The objective of the Integrated BSBME/MSE Program is to enable prepared undergraduates in Biomedical Engineering to earn two degrees in a shortened time period. By applying AP and Credit by Exam courses, having students take recommended summer courses, and allowing seniors to enroll in graduate-level engineering courses reserved for graduate credit, the program enables graduates to complete both degree requirements in five years.

**Admissions.** Current undergraduate BME students may begin the application process to the Integrated BSBME/MSE Program option in the first term of their third year. Admission includes the two steps outlined below. Undergraduate students not in the biomedical engineering major are not eligible to apply. It is expected that all students selected for the program in Step 1 and have been successful in their first graduate-

level coursework will be selected for admission in Step 2. Successful completion will be evaluated and determined by the department's Domestic Graduate Admission Committee and the Graduate Advisor.

**Step 1.** Students go through the first step in application for admission to the Integrated BSBME/MSE Program in the second term of the third year. The Step 1 application is internal through the department and includes a resume, statement of purpose, and letters of recommendation. Qualified applicants will be selected based on the applicant's progress to degree completion, grade point average, and other qualifications included in the application materials. Selected students will be notified early in the summer after the third year of their admission status for the integrated program, allowing them to meet with an academic advisor to plan graduate coursework in the first term of their fourth year.

**Step 2.** Students go through the second step in the application after the second term of their fourth year. The Step 2 application is formal through the Graduate and International Admission Center (GIAC) and includes a resume, statement of purpose, letters of recommendation, and a TOEFL score (if required). Qualified applicants will be selected based on success in graduate-level engineering courses in the first term of their fourth year, grade point average, and other qualifications included in the application materials.

If a student in their fourth year is taking graduate courses and would be on track to complete the integrated program but did not apply in their third year through Step 1, they may also choose to apply in Step 2 and formally apply through GIAC by the normal admission deadline. These students will be evaluated for admission on the same criteria.

**Degree Requirements.** In order for integrated program students to complete both the BSBME and MSE degrees in five years, the department waives six semester credit hours (SCH) of technical area electives in lieu of six SCH of graduate engineering coursework reserved for graduate credit taken in the fourth year. This reduces the total BSBME degree requirements for integrated program students from 133 to 127 SCH. The remaining required six SCH of technical area electives required for the BSBME degree must be taken in engineering (see Technical Area Options section below).

Students in the integrated program complete 12 SCH of graduate coursework in their fourth year and 18 SCH of graduate coursework in their fifth year to complete a total of 30 SCH of graduate coursework for the MSE degree as described in the [Graduate Catalog](#). Students have the option of choosing the coursework or thesis options for the MSE degree as described in the [Graduate Catalog](#). Which courses the student takes will be determined with the graduate advisor and academic advisor to ensure compliance with degree requirements and meet the students' career goals.

Students unable to successfully complete the integrated program, or who wish to terminate pursuit of the MSE for any reason, may obtain a BSBME degree by satisfying all of the requirements for the standalone degree. Two of the graduate courses (six SCH) taken in the fourth year may count toward the 12 SCH of technical area electives required to complete the entire 133 SCH requirements. An undergraduate student leaving the integrated program will be on a trajectory to graduate with the regular BSBME degree in the same timeframe prior to admission to the integrated program.

Graduates of the integrated program will receive the BSBME and MSE degrees simultaneously after successfully completing the 127 SCH for the BSBME and 30 SCH for the MSE, a total of 157 SCH. It is expected that students in this program will graduate with both degrees in a total of five years to completion.

**Advising.** Once admitted, students will be advised each semester by the graduate advisor and an academic advisor to complete coursework required for the BSBME degree in their fourth year, and completion of the coursework required for the MSE degree in their fourth and fifth years.

Information regarding the integrated program requirements and policies may be obtained from the Biomedical Engineering Academic Advising Office in BME 3.308.

## Technical Area Options

The technical area option allows the student to build on the biomedical engineering core curriculum by choosing 12 semester hours of technical area coursework. A minimum of six semester hours of the 12 semester hours of technical area coursework must be taken within engineering. Students choose coursework in one of the following four areas: biomedical imaging and instrumentation; cellular and biomolecular engineering; computational biomedical engineering; or molecular, cellular and tissue biomechanics. Within some technical areas, career emphases are available for students to focus coursework toward a particular career track. Students have flexibility to take technical elective coursework from more than one career emphasis under the same technical area. Each student should choose a technical area by the end of the sophomore year and plan an academic program to meet the area requirements during the next two years. Students can visit the Biomedical Engineering Academic Advising Office in BME 3.308 for more information about the Technical Area Options.

**Preparation for health professions.** Students who plan to attend medical, veterinary, or dental school in Texas must complete coursework in addition to that required for the BS in Biomedical Engineering in order to meet professional school admission requirements; those who plan to attend schools outside Texas may need additional coursework. The student is responsible for knowing and meeting these additional requirements, but assistance and information are available in the Health Professions Office in the College of Natural Sciences, PAI 5.03. Additional information about preparation for health professions is available online at <https://cns.utexas.edu/health-professions>.

**Preparation for law.** There is no sequential arrangement of courses prescribed for a pre-law program. The Association of American Law Schools puts special emphasis on comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and analytical power in thinking. Courses relevant to these objectives deal with communication of ideas, logic, mathematics, social sciences, history, philosophy, and the physical sciences. Services for pre-law students are provided to students in all colleges by Liberal Arts Career Services in FAC 18, and to engineering students by the Engineering Career Assistance Center (ECAC) in EER 2.604. Additional information about preparation for law is available online at <https://liberalarts.utexas.edu/lacs/index.php>.

**Plan II Honors Program.** Students enrolled in the Plan II Honors Program are encouraged to contact the Biomedical Engineering Academic Advising Office, in addition to the Plan II Office to ensure that requirements for both programs are met. Plan II courses may count toward biomedical engineering program requirements.

**Minors and Certificate programs.** Biomedical engineering students may enrich their education through minors and certificate programs. For a full list please see [Minor and Certificate Programs](#) (p. 14). Common examples of certificates completed by Biomedical engineering students are as follows:

**Business Minor.** Students who wish to learn about fundamental business concepts and practices may take supplemental coursework that leads to the Business Minor, awarded by the Red McCombs School

of Business. The certificate description is provided in the [Minor and Certificate Programs section of the McCombs School of Business in the Undergraduate Catalog](#) (p. ).

**Business of Healthcare Certificate.** The Red McCombs School of Business offers this certificate to prepare students for the unique challenges and opportunities in the field of healthcare. The certificate description is provided in the [Minor and Certificate Programs section of the McCombs School of Business in the Undergraduate Catalog](#) (p. ).

**Computational Science and Engineering (CSE) Certificate.** This certificate offers the opportunity for in-depth study and research in computational science and engineering, including computational and applied mathematics, numerical simulation, scientific computation, and visualization. The certificate is administered by the Oden Institute for Computational Engineering and Sciences and its description is provided in the [Minor and Certificate Programs section of the Cockrell School of Engineering in the Undergraduate Catalog](#).

**Elements of Computing.** Students who wish to learn about computer science may take the coursework that leads to the certificate in the Elements of Computing, awarded by the Department of Computer Science. The certificate description is provided in the [Minor and Certificate Programs section of the College of Natural Science in the Undergraduate Catalog](#) (p. ).

**Pre-Health Professions Certificate.** This certificate provides majors outside of the College of Natural Sciences (CNS) access to the courses required to complete health professions prerequisites. The certificate description is provided in the [Minor and Certificate Programs section of the College of Natural Science in the Undergraduate Catalog](#) (p. ).

**Bridging Disciplines Programs.** These interdisciplinary programs offer students the opportunity to develop skills to collaborate across disciplines and cultures. The certificate description is provided in the [Minor and Certificate Programs section of the School of Undergraduate Studies in the Undergraduate Catalog](#) (p. 25).

## Technical Area 1, Biomedical Imaging and Instrumentation

This technical area is designed for students interested in the general area of medical imaging science and instrumentation design. Two career emphases are available in this area: biomedical imaging and biomedical instrumentation. Students are required to select 12 semester hours from any of the Technical Area 1 electives; six of the 12 hours must be within engineering.

### Career Emphasis A: Biomedical Imaging

The main objective of this emphasis is to prepare students for a career in biomedical imaging. A solid foundation, practical knowledge, and skills are established in optics, imaging modalities, and image and signal processing.

While students are required to select 12 hours from any of the Technical Area 1 electives, the following are recommended for the biomedical imaging career emphasis:

Biomedical Engineering 336, *Cancer Bioengineering*  
Biomedical Engineering 347, *Fundamentals of Biomedical Optics*  
Biomedical Engineering 350, *Computational Methods for Biomedical Engineers*  
Biomedical Engineering 357, *Biomedical Imaging Modalities*  
Biomedical Engineering 358, *Medical Decision Making*

Biomedical Engineering 368, *Introduction to Mathematical and Physical Biology*

Biomedical Engineering 372, *Computational Modeling of the Cardiovascular System*

Electrical and Computer Engineering 347, *Modern Optics*

Electrical and Computer Engineering 351M, *Digital Signal Processing*

Electrical and Computer Engineering 371Q, *Digital Image Processing*

An approved upper-division biomedical engineering, electrical engineering, or physics course

### Career Emphasis B: Biomedical Instrumentation

The main objective of this emphasis is to prepare students to design and use biomedical instrumentation for imaging, diagnostic, and therapeutic applications. A solid foundation, practical knowledge, and skills are established in analog and digital network analysis, software and hardware programming, electronic circuits, sensors, data acquisition systems, image and signal processing, and computational analysis of data as it applies to living systems.

While students are required to select 12 hours from any of the Technical Area 1 course options, the following are recommended for the biomedical instrumentation career emphasis:

Biomedical Engineering 306, *Fundamentals of Computing*

Biomedical Engineering 338, *Thin Film Mechanics*

Biomedical Engineering 354, *Molecular Sensors and Nanodevices for Biomedical Engineering Applications*

Biomedical Engineering 363E, *Medical Device Design and Manufacturing*

Biomedical Engineering 367, *Design of Artificial Organs*

Biomedical Engineering 374K, *Biomedical Instrument Design*

Biomedical Engineering 374L, *Applications of Biomedical Instrumentation Lab*

Electrical and Computer Engineering 312, *Software Design and Implementation I*

Electrical and Computer Engineering 319K, *Introduction to Embedded Systems*

Electrical and Computer Engineering 438, *Fundamentals of Electronic Circuits I Laboratory*

Electrical and Computer Engineering 445L, *Embedded Systems Design Laboratory*

Electrical and Computer Engineering 445M, *Embedded and Real-Time Systems Laboratory*

Electrical and Computer Engineering 445S, *Real-Time Digital Signal Processing Laboratory*

Electrical and Computer Engineering 351M, *Digital Signal Processing*

## Technical Area 2, Cellular and Biomolecular Engineering

The major objective of this area is to teach students how to integrate knowledge in cell and molecular biology with engineering analysis, so that they can address problems in molecular-based medicine. Two career emphases are available in this area: biomaterials/regenerative medicine and nanotechnology. Students are required to select 12 semester hours from any of the Technical Area 2 electives; six of the 12 hours must be within engineering.

### Career Emphasis A: Biomaterials/Regenerative Medicine

The objective of this emphasis is to prepare students for a career in biomaterials and regenerative medicine engineering. This emphasis includes solid foundation in cell and tissue engineering, biomaterials, and pharmacology. While students are required to select 12 hours from any of the Technical Area 2 course options, the following are recommended for the biomaterials/regenerative medicine career emphasis:

Biology 320, *Cell Biology*

Biology 325, *Genetics*

Biology 326M, *Introductory Medical Microbiology and Immunology*  
Biomedical Engineering 336, *Cancer Bioengineering*

Biomedical Engineering 340, *Soft Tissue Biomechanics*

Biomedical Engineering 356, *Polymer and Bioconjugate Chemistry*  
Biomedical Engineering 339, *Biochemical Engineering*  
Biomedical Engineering 359, *Cellular and Molecular Biomechanics*  
Biomedical Engineering 363E, *Medical Device Design and Manufacturing*  
Biomedical Engineering 364, *Biological Responses to Medical Devices*  
Biomedical Engineering 365, *Tissue Microenvironments*  
Biomedical Engineering 366, *Immune Engineering*  
Biomedical Engineering 367, *Design of Artificial Organs*  
Biomedical Engineering 369, *Biomimetic Design and Engineering*  
Biomedical Engineering 373, *Tissue, Scaffold, and Cell Biomechanics Applications*  
Biomedical Engineering 375, *Stem Cells in Cell and Tissue Engineering*  
Biomedical Engineering 376, *Cell Engineering*  
Biomedical Engineering 379, *Tissue Engineering*  
An approved topic of Chemical Engineering 379, *Topics in Chemical Engineering*  
Chemistry 320N, *Organic Chemistry II* and 220C, *Organic Chemistry Laboratory*; or 328N, *Organic Chemistry II* and 128L, *Organic Chemistry Laboratory*  
Pharmacy PharmD 338, *Introduction to Pharmacology*  
An approved upper-division biomedical engineering, chemical engineering or mechanical engineering course

## Career Emphasis B: Nanotechnology

The objective of this emphasis is to prepare students for a career in nanotechnology. This emphasis includes solid foundation in nanodevices and sensors, biological physics, and nanocomposites. While students are required to select 12 hours from any of the Technical Area 2 course options, the following are recommended for the nanotechnology career emphasis:

Biomedical Engineering 346, *Computational Biomolecular Engineering*

Biomedical Engineering 348P, *Introduction to Computational and Systems Biology*  
Biomedical Engineering 354, *Molecular Sensors and Nanodevices for Biomedical Engineering Applications*  
Biomedical Engineering 356, *Polymer and Bioconjugate Chemistry*  
Biomedical Engineering 359, *Cellular and Molecular Biomechanics*  
Chemical Engineering 339P, *Introduction to Biological Physics*  
An approved topic of Chemical Engineering 379, *Topics in Chemical Engineering*  
Chemistry 320N, *Organic Chemistry II* and 220C, *Organic Chemistry Laboratory*; or 328N, *Organic Chemistry II* and 128L, *Organic Chemistry Laboratory*  
An approved topic of Mechanical Engineering 379M, *Topics in Mechanical Engineering*  
An approved upper-division biomedical engineering, chemical engineering or mechanical engineering course

## Technical Area 3, Computational Biomedical Engineering

The objective of this area is to provide students with the knowledge and skills that will enable them to design and use computational algorithms to address problems in biomedical research and health care. Examples include (a) designing medical decision aids using statistical and machine learning models, (b) dynamic modeling and computer simulation to study the biomechanics and control of movement, (c) development of thermodynamic models of dynamic processes at the microscopic and macroscopic scales in biological systems, and

(d) image processing techniques for quantitative measurement and interpretation of biomedical images. Students are required to select 12 semester hours from any of the Technical Area 3 electives; six of the 12 hours must be within engineering.

Students must select 12 hours from the following:

Biomedical Engineering 306, *Fundamentals of Computing*  
Biomedical Engineering 336, *Cancer Bioengineering*  
Biomedical Engineering 345, *Graphics and Visualization Laboratory*  
Biomedical Engineering 346, *Computational Biomolecular Engineering*  
Biomedical Engineering 347, *Fundamentals of Biomedical Optics*  
Biomedical Engineering 348, *Modeling of Biomedical Engineering Systems*

Biomedical Engineering 348P, *Introduction to Computational and Systems Biology*  
Biomedical Engineering 350, *Computational Methods for Biomedical Engineers*  
Biomedical Engineering 357, *Biomedical Imaging Modalities*  
Biomedical Engineering 358, *Medical Decision Making*  
Biomedical Engineering 363E, *Medical Device Design and Manufacturing*  
Biomedical Engineering 367, *Design of Artificial Organs*

Biomedical Engineering 368, *Introduction to Mathematical and Physical Biology*

Biomedical Engineering 372, *Computational Modeling of the Cardiovascular System*  
Biomedical Engineering 373, *Tissue, Scaffold, and Cell Biomechanics Applications*  
Electrical and Computer Engineering 312, *Software Design and Implementation I*  
Electrical and Computer Engineering 319K, *Introduction to Embedded Systems*  
Electrical and Computer Engineering 422C, *Software Design and Implementation II*  
Electrical and Computer Engineering 360C, *Algorithms*  
Electrical and Computer Engineering 371Q, *Digital Image Processing*  
Mathematics 325K, *Discrete Mathematics*  
Mathematics 340L, *Matrices and Matrix Calculations*  
A computer science course from an approved list

## Technical Area 4, Molecular, Cellular, and Tissue Biomechanics

The major objective of this area is to provide students with knowledge of the structure and function of biological systems by means of the methods of mechanics. Students will learn skills to apply engineering principles to understand how living systems function at all scales of organization and to translate this understanding to the design of devices and procedures that will improve diagnostic and therapeutic methods in health care.

Students must select 12 hours from the following; six of the 12 hours must be within engineering:

Biomedical Engineering 336, *Cancer Bioengineering*

Biomedical Engineering 338, *Thin Film Mechanics*

Biomedical Engineering 340, *Soft Tissue Biomechanics*  
Biomedical Engineering 342, *Biomechanics of Human Movement*  
Biomedical Engineering 346, *Computational Biomolecular Engineering*  
Biomedical Engineering 347, *Fundamentals of Biomedical Optics*  
Biomedical Engineering 354, *Molecular Sensors and Nanodevices for Biomedical Engineering Applications*  
Biomedical Engineering 359, *Cellular and Molecular Biomechanics*

Biomedical Engineering 362, *Introduction to Nonlinear Dynamics in Biological Systems*  
 Biomedical Engineering 363E, *Medical Device Design and Manufacturing*  
 Biomedical Engineering 365, *Tissue Microenvironments*  
 Biomedical Engineering 367, *Design of Artificial Organs*  
 Biomedical Engineering 369, *Biomimetic Design and Engineering*

Biomedical Engineering 372, *Computational Modeling of the Cardiovascular System*

Biomedical Engineering 373, *Tissue, Scaffold, and Cell Biomechanics Applications*

Biomedical Engineering 376, *Cell Engineering*

Chemical Engineering 339P, *Introduction to Biological Physics*

Kinesiology 326K, *Biomechanical Analysis of Movement*

Mechanical Engineering 314D, *Dynamics*

Mechanical Engineering 344, *Dynamic Systems and Controls* and 144L, *Dynamic Systems and Controls Laboratory*

Mechanical Engineering 354, *Introduction to Biomechanical Engineering*

Mechanical Engineering 372J, *Robotics and Automation*

An approved upper-division biomedical engineering or mechanical engineering course

## Suggested Arrangement of Courses, Biomedical Engineering (BSBiomedE)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BME 303L (Major)		3 BME 303 (Major)		3 Study Abroad (Opportunity)	
CH 301 (Core) <sup>030, QR</sup>		3 CH 302 (Core) <sup>030, QR</sup>		3 Internship (Opportunity)	
BIO 311C (Core) <sup>093</sup>		3 CH 204 (Major) <sup>QR</sup>		2 Research (Opportunity)	
BIO 206L (Major)		2 M 408D (General Education)		4	
M 408C (Core) <sup>020, QR</sup>		4 PHY 303K & PHY 105M (General Education) <sup>QR</sup>		4	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 RHE 306 (Core) <sup>010</sup>		3	
		Maymester (Opportunity)			
		<b>18</b>	<b>19</b>	<b>0</b>	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BME 214L (Major)		2 E S 333T (General Education) <sup>E, Wr</sup>		3 Study Abroad (Opportunity)	
BME 311 (Major)		3 BME 313L (Major)		3 Internship (Opportunity)	
CH 328M & CH 128K (Major)		4 BME 335 (Major)		3 Research (Opportunity)	
M 427J (General Education) <sup>QR</sup>		4 BME 344 (Major)		3	
PHY 303L & PHY 105N (General Education)		4 BCH 369 (Major)		3	
		Social and Behavioral Sciences (Core) <sup>080</sup>		3	
		Maymester (Opportunity)			
		<b>17</b>	<b>18</b>	<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BME 245L (Major)		2 BME 261L (Major)		2 Study Abroad (Opportunity)	
BME 343 (Major) <sup>QR</sup>		3 BME 349 (Major)		3 Internship (Opportunity)	
BME 365R (Major)		3 BME 365S (Major)		3 Research (Opportunity)	
BME 352 (Major)		3 BME 353 (Major)		3	
Elective (Major)		3 BME 355 (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Elective (Major)		3	
		Maymester (Opportunity)			
		<b>17</b>	<b>17</b>	<b>0</b>	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BME 370 (Major) <sup>Wr</sup>		3 BME 371 (Major) <sup>II</sup>		3 (None)	
Elective (Major)		3 Elective (Major)		3	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Visual and Performing Arts (Core) <sup>050</sup>		3			
		<b>15</b>	<b>12</b>	<b>0</b>	

Total credit hours: 133

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Chemical Engineering

Chemical engineering is one of the most broadly-based engineering disciplines. Its field of practice covers the development, design, and control of processes and products that involve molecular change, both chemical and biological, and the operation of such processes. Because many of the products that sustain and improve life are produced by carefully designed and controlled molecular changes, the chemical engineer serves in a wide variety of industries. These industries range from chemical and energy companies to producers of all types of consumer and specialty products, pharmaceuticals, textiles, polymers, advanced materials, and solid-state and biomedical devices.

Careers are available in industry, government, consulting, and education. Areas of professional work include research and development, operations, technical service, product development, process and plant



design, market analysis and development, process control, and pollution abatement.

The chemical engineering degree program prepares students for professional practice in chemically related careers after the bachelor's degree or an advanced degree. Chemical engineering graduates are expected to attain the following capabilities at or within a few years of graduation: apply the fundamentals of science and engineering to solve important chemical engineering problems in industry, government or academic settings; communicate effectively and demonstrate the interpersonal skills required to lead and/or participate in multidisciplinary projects; apply life-long learning to meet professional and personal goals of their chosen profession, including graduate study; articulate and practice professional, ethical, environmental and societal responsibilities, and value different global and cultural perspectives. To meet the program objective, the faculty has designed a rigorous, demanding, and state-of-the-art curriculum that integrates lectures and laboratory experience in basic science, mathematics, engineering science, engineering design, and the liberal arts.

## ABET Student Outcomes:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

## Portable Computing Devices

Students entering chemical engineering are required to have a laptop computer at their disposal. Laptops do not need to be brought to campus on a daily basis, but individual courses may require that a laptop be brought to certain lectures, labs, and/or exams. Minimum requirements for the laptop are listed on the department's [website](#).

## Curriculum

Course requirements are divided into three categories: lower-division courses in the major, upper-division courses in the major, and other required courses. Enrollment in some upper-division Chemical Engineering courses requires completion of eight hours of lower-division Chemical Engineering coursework (Chemical Engineering 210, 317 and 319) and 11 hours of non-Chemical Engineering coursework (Chemistry 328M, 128K, 353, Physics 303L and 105N) in the major, while earning a grade of C- or better in each course. In addition, each student must complete the [University's Core Curriculum](#). In some cases, a course required for the Bachelor of Science in Chemical Engineering may also be counted toward the core curriculum; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one course with a quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and the two writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Requirements		Hours
<b>Chemical Engineering Courses</b>		
CHE 210	Introduction to Computing	2
CHE 253K	Applied Statistics	2
CHE 253M	Measurement, Control, and Data Analysis Laboratory	2
CHE 264	Chemical Engineering Process and Projects Laboratory (writing flag)	2
CHE 317	Introduction to Chemical Engineering Analysis	3
CHE 319	Transport Phenomena	3
CHE 322	Thermodynamics	3
CHE 338	Biochemical Engineering	3
CHE 348	Numerical Methods in Chemical Engineering and Problem Solving	3
CHE 350	Chemical Engineering Materials	3
CHE 354	Transport Processes	3
CHE 360	Process Control	3
CHE 363	Separation Processes and Mass Transfer	3
CHE 372	Chemical Reactor Analysis and Design	3
CHE 473K	Process Design and Operations (independent inquiry flag)	4
<b>Chemistry</b>		
CH 302	Principles of Chemistry II (part II science and technology; quantitative reasoning flag)	3
CH 204	Introduction to Chemical Practice (quantitative reasoning flag)	2
CH 128K	Organic Chemistry Laboratory	1
CH 328M	Organic Chemistry I	3
CH 353	Physical Chemistry I (quantitative reasoning flag)	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
M 427L	Advanced Calculus for Applications II	4
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1

PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3

#### Rhetoric and Writing

RHE 306	Rhetoric and Writing (English composition)	3
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#### Other Required Courses

Approved technical focus area electives in engineering		6
Approved technical focus area electives		6
CH 128L	Organic Chemistry Laboratory	1
CH 328N	Organic Chemistry II	3
CH 153K	Physical Chemistry Laboratory (writing flag)	1
E S 333T	Engineering Communication (Major) <sup>E, Wr</sup>	3

#### Chemistry elective with a laboratory experience (not an online course) chosen from

CH 431	Inorganic Chemistry	
CH 354 & CH 154K	Quantum Chemistry and Spectroscopy and Physical Chemistry Laboratory	
CH 354L & CH 154K	Physical Chemistry II and Physical Chemistry Laboratory	
CH 455	Fundamentals of Analytical Chemistry	
BCH 369 & CHE 177K	Fundamentals of Biochemistry and Undergraduate Research Project	
BCH 369 & CHE 177L	Fundamentals of Biochemistry and Undergraduate Research Project	
CH 354 & CHE 177K	Quantum Chemistry and Spectroscopy and Undergraduate Research Project	
CH 354 & CHE 177L	Quantum Chemistry and Spectroscopy and Undergraduate Research Project	

#### Remaining Core Curriculum Courses

E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Visual and performing arts <sup>3</sup>		3
Social and behavioral sciences <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	

1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

2. Some sections carry a cultural diversity flag.
3. Some sections carry a global cultures and/or cultural diversity flag.
4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.

#### Total Hours

129

## Honors Program

Chemical engineering students who are in the Engineering Honors Program and maintain a grade point average of at least 3.50 may take the honors research course, Chemical Engineering 679H. In this course the student performs research over two consecutive semesters under the supervision of a faculty member, makes two oral presentations, and writes a thesis. Chemical Engineering 679H may be used to fulfill either the approved area electives requirement or the approved area electives in chemical engineering requirement.

## Technical Option Areas

Because of the broad training in natural sciences and engineering received by the chemical engineer, opportunities are provided for students also to develop particular talents and interests in one or two areas of emphasis. Each student must complete 12 semester hours in one of the following areas or six semester hours in each of two areas. These courses must include at least two engineering courses, of which one must be in Chemical Engineering. If two technical option areas are selected, then two courses from each technical option area should be completed. The technical area courses should be discussed with a faculty advisor during faculty advising for the next registration period. The courses listed in each area do not constitute a complete list of technical option area courses but illustrate the types of courses that are generally suitable for a given area. A list of suggested complementary biology, physics, mathematics, and chemistry electives for each of the technical option areas is available from the Chemical Engineering Undergraduate Office and published on the departmental Web page.

Students who are interested in seeking an advanced degree in chemical engineering are encouraged to discuss their plans with the graduate advisor or another faculty member. They should also inquire about undergraduate research positions in the department.

For all areas, CHE 325L and 377K may be counted as chemical engineering electives. Chemical Engineering 377K may be counted only once toward the degree.

## Area 1, Process Systems and Product Engineering

The chemical process industry is one of the most advanced in the applications of modern design and control techniques and computer technology. Competence in design, economics, fault detection, optimization, control, and simulation is essential in this industry. Chemical engineers are also frequently involved in the development of new consumer and specialty products, an assignment that requires not only technical skills but also an understanding of the principles of successful marketing and quality control. Chemical engineering courses in this technical focus area cover topics such as optimization and statistical quality control, while courses in mechanical engineering and electrical engineering deal with both theory and applications in statistics, computer control, economic analysis, and operations research.

Chemical Engineering 341, *Design for Environment*  
 Chemical Engineering 342, *Chemical Engineering Economics and Business Analysis*  
 Chemical Engineering 356, *Optimization: Theory and Practice*

Chemical Engineering 376K, *Process Evaluation and Quality Control*  
Chemical Engineering 379, *Topics in Chemical Engineering\**  
Electrical and Computer Engineering 370K, *Computer Control Systems*  
Electrical and Computer Engineering 379K\*  
Architectural Engineering 323K, *Project Management and Economics*  
Mechanical Engineering 335, *Engineering Statistics*  
Mechanical Engineering 348F, *Advanced Mechatronics II*  
Mechanical Engineering 353, *Engineering Finance*  
Mechanical Engineering 366L, *Operations Research Models*  
Marketing 320F, *Foundations of Marketing*  
Upper-division mathematics course

\*Approved topics

## Area 2, Materials Engineering

Advances in technology and improvements in our quality of life are linked to the development, processing, and manufacture of engineering materials. Materials span the spectrum from “hard” to “soft” materials and include metals, ceramics, semiconductors, and polymers; all are prepared in carefully controlled chemical processes. These materials are used technologically in objects such as catalysts, fuel cells, microelectronic devices, membranes, solar cells, and high-performance plastics. With advancements in analytical probes and modeling, our understanding of materials has become increasingly more molecular and the traditional boundaries between disciplines have faded to the extent that this is a truly interdisciplinary area. Chemical engineers can assume a creative role in this area when provided with the appropriate fundamentals and applications background.

Chemical Engineering 322M, *Molecular Thermodynamics*  
Chemical Engineering 323, *Chemical Engineering for Micro- and Nanofabrication*  
Chemical Engineering 355, *Introduction to Polymers*  
Chemical Engineering 379\*  
Chemistry 341, *Special Topics in Laboratory Chemistry*  
Chemistry 354, *Quantum Chemistry and Spectroscopy*  
Chemistry 354L, *Physical Chemistry II*  
Chemistry 367L, *Macromolecular Chemistry*  
Chemistry 376K, *Advanced Analytical Chemistry*  
Electrical and Computer Engineering 339, *Solid-State Electronic Devices*  
Mechanical Engineering 349, *Corrosion Engineering*  
Mechanical Engineering 359, *Materials Selection*  
Mechanical Engineering 374S, *Solar Energy Systems Design*  
Physics 338K, *Electronic Techniques*  
Physics 355, *Modern Physics and Thermodynamics*  
Physics 375S, *Introductory Solid-State Physics*

\*Approved topics

## Area 3, Environmental Engineering

Chemical engineers are uniquely qualified to contribute to the solution of environmental problems and to design processes and products that minimize environmental hazards. From pollution prevention by process optimization, to new understanding of chemical processes that occur in the environment, to new materials for advanced catalysts and carbon-free energy sources, chemical engineers are creating the “green” technologies needed to sustain the planet.

Chemical Engineering 341, *Design for Environment*  
Chemical Engineering 357, *Technology and Its Impact on the Environment*  
Chemical Engineering 359, *Energy Technology and Policy*  
Chemical Engineering 376K, *Process Evaluation and Quality Control*  
Chemical Engineering 379\*  
Civil Engineering 341, *Introduction to Environmental Engineering*  
Civil Engineering 342, *Water and Wastewater Treatment Engineering*

Civil Engineering 364, *Design of Wastewater and Water Treatment Facilities*

Civil Engineering 369L, *Air Pollution Engineering*  
Civil Engineering 370K, *Environmental Sampling and Analysis*  
Mechanical Engineering 374S, *Solar Energy Systems Design*  
Mechanical Engineering 379M, *Topics in Mechanical Engineering*

\*Approved topics

## Area 4, Biochemical, Biomolecular, and Biomedical Engineering

### Track A: Cellular and Bioprocess Engineering

Chemical engineers are developing innovative solutions to practical problems in biotechnology and in the biochemical, pharmaceutical, and life science industries. This track is designed to prepare students for a career or research in the areas of applied cellular engineering and bioprocess engineering in the chemicals and pharmaceutical industry. Chemical engineering and elective courses are available that cover chemical engineering principles applied to biological systems and the fundamentals of biomolecular, cellular, and metabolic processes. This track is also suitable for students interested in biofuels.

Chemical Engineering 339, *Introduction to Biochemical Engineering*  
Chemical Engineering 339P, *Introduction to Biological Physics*  
Chemical Engineering 379\*  
Biochemistry 369, *Fundamentals of Biochemistry*  
Biochemistry 370, *Physical Methods of Biochemistry*  
Biology 325, *Genetics*  
Biology 326R, *General Microbiology*  
Biology 355, *Microbial Biochemistry*  
\*Approved topics

### Track B: Biomedical Engineering

This track is designed to prepare students for careers in the biomedical and pharmaceutical industries that deal with medical systems or improvement of health treatment alternatives. This is also a natural track to be followed by students who plan to attend medical school. Chemical engineering courses and electives are available that cover the application of chemical engineering principles to the design of new medical and therapeutic devices, as well as to the understanding of physiological processes.

Chemical Engineering 339, *Introduction to Biochemical Engineering*  
Chemical Engineering 339P, *Introduction to Biological Physics*  
Chemical Engineering 339T, *Cell and Tissue Engineering*  
Chemical Engineering 355, *Introduction to Polymers*  
Chemical Engineering 379\*  
Biology 320, *Cell Biology*  
Biology 325, *Genetics*  
Biology 326R, *General Microbiology*  
Biology 365S, *Human Systems Physiology*  
Biomedical Engineering 352, *Engineering Biomaterials*  
Biomedical Engineering 353, *Transport Phenomena in Living Systems*  
Biomedical Engineering 365R, *Quantitative Engineering Physiology I*  
Biochemistry 369, *Fundamentals of Biochemistry*  
Electrical and Computer Engineering 374K, *Biomedical Electronic Instrument Design*  
Mechanical Engineering 354, *Introduction to Biomechanical Engineering*

\*Approved topics

## Area 5, Energy Technologies

The need for energy sustainability and new energy technologies provides some of the most significant scientific and engineering challenges that face society. Chemical engineers are uniquely qualified to address

these issues and contribute new solutions to the problem. Technologies include solar energy utilization in the form of photovoltaics, biofuels and solar fuels; new and more efficient ways to extract fossil fuels from existing reservoirs; alternative power sources like wind, geothermal, and nuclear. Policy is also an important and active area that involves chemical engineers. Chemical engineering and other elective courses are available that teach fundamentals of energy technology and policy.

Chemical Engineering 323, *Chemical Engineering for Micro- and Nanofabrication*

Chemical Engineering 339, *Introduction to Biochemical Engineering*

Chemical Engineering 341, *Design for Environment*

Chemical Engineering 355, *Introduction to Polymers*

Chemical Engineering 357, *Technology and Its Impact on the Environment*

Chemical Engineering 359, *Energy Technology and Policy*

Chemical Engineering 379\*

Civil Engineering 341, *Introduction to Environmental Engineering*

Electrical and Computer Engineering 339, *Solid-State Electronic Devices*

Mechanical Engineering 374S, *Solar Energy Systems Design*

Mechanical Engineering 379M, *Topics in Mechanical Engineering*

Petroleum and Geosystems Engineering 430, *Drilling and Well Completions*

\*Approved topics

## Area 6, Engineering Economics and Business Leadership

Chemical engineers who understand the economic and policy issues faced by modern chemical and materials companies are needed to solve the challenges of modern industry. Globalization, sustainability, safety and modern labor practices, intellectual property protection, and the process of innovation are all issues facing modern industry. This focus area is designed to prepare students for business leadership in a technical arena.

Chemical Engineering 342, *Chemical Engineering Economics and Business Analysis*

Chemical Engineering 356, *Optimization: Theory and Practice*

Chemical Engineering 379, *Topics in Chemical Engineering\**

Architectural Engineering 323K, *Project Management and Economics*

Economics 304K, *Introduction to Microeconomics*

Economics 304L, *Introduction to Macroeconomics*

Economics 328, *Industrial Organization*

Economics 339K, *International Trade and Investment*

Economics 351K, *Current Issues in Business Economics*

International Business 378, *International Business Operations*

Mechanical Engineering 353, *Engineering Finance*

Mechanical Engineering 366L, *Operations Research Models*

Marketing 320F, *Foundations of Marketing*

Marketing 460, *Information and Analysis*

Science, Technology, and Society 332, *The Nanotechnology and Science Revolution*

\*Approved topics

## Suggested Arrangement of Courses, Chemical Engineering (BSCHE)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 302 (Core) <sup>093</sup>		3 CH 204 (Major) <sup>QR</sup>		2 Study Abroad (Opportunity)	

CHE 102 (Major) <sup>1</sup>		1 M 408D (General Education)		4 Internship (Opportunity)	
CHE 210 (Major)		2 PHY 303K & PHY 105M (Core) <sup>030, QR</sup>		4	
M 408C (Core) <sup>020</sup>		4 UGS 302 or 303 (Core) <sup>090, Wr</sup>		3	
RHE 306 (Core) <sup>010</sup>		3 GOV 310L (Core) <sup>070</sup>		3	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 Maymester (Opportunity)			
		<b>16</b>			<b>16</b>
				<b>0</b>	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 328M & CH 128K (Major)		4 CH 328N & CH 128L (Major)		4 Study Abroad (Opportunity)	
CHE 317 (Major)		3 CH 353 (Major) <sup>QR</sup>		3 Internship (Opportunity)	
M 427J (General Education) <sup>QR</sup>		4 CHE 319 (Major)		3	
PHY 303L & PHY 105N (Core) <sup>030</sup>		4 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
		M 427L (Major)		4	
		<b>15</b>			<b>17</b>
				<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 153K (Major) <sup>Wr</sup>		1 CHE 253M (Major)		2 Study Abroad (Opportunity)	
CHE 322 (Major)		3 CHE 363 (Major)		3 Internship (Opportunity)	
E S 333T (General Education) <sup>E, Wr</sup>		3 CHE 348 (Major)		3	
CHE 253K (Major)		2 CHE 338 (Major)		3	
CHE 354 (Major)		3 U.S. History (Core) <sup>060</sup>		3	
Chemistry Elective (Elective)		4 Visual and Performing Arts (Core) <sup>050</sup>		3	
		<b>16</b>			<b>17</b>
				<b>0</b>	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CHE 350 (Major)		3 CHE 360 (Major) <sup>QR</sup>		3 (None)	
CHE 264 (Major) <sup>Wr</sup>		2 CHE 473K (Major) <sup>II</sup>		4	
CHE 372 (Major)		3 U.S. History (Core) <sup>060</sup>		3	
Approved Engineering Area Course (Elective)		3 Approved Engineering Area Course (Elective)		3	
GOV 312L (Core) <sup>070</sup>		3 Approved Technical Area Course (Elective)		3	
Approved Technical Area Course (Elective)		3			
		<b>17</b>			<b>16</b>
				<b>0</b>	

Total credit hours: 130

<sup>1</sup> Optional; students who do not take this course will take 15 hours of coursework in the fall semester of the first year. Actual credit hours for the degree is 129.

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology,

Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Civil Engineering

Civil engineers design, construct, operate and maintain the physical fabric of society. In doing so, civil engineers work toward continuous improvement of the human condition and natural environment, tackling many of the grand challenges that face humankind today. Much of the work of civil engineers is highly visible, such as roadways, bridges, airports, levees, buildings, bike paths, and city parks, while other parts are rarely seen but equally vital to the health of communities, such as the water and wastewater treatment, distribution, and collection systems or the energy infrastructure. Civil engineers keep human beings safe by designing resilient infrastructure that does not fail in extraordinary events, but that is also socially, economically, and environmentally sustainable.

The civil engineering student has the opportunity to obtain a broad background in mathematics and the physical sciences and their applications to all areas of civil engineering. This flexible curriculum allows the student to elect 18 semester hours of approved technical coursework to emphasize the areas of civil engineering of most interest to the student. In addition, courses in the humanities and social sciences are included.

To excel as a civil engineer, a student should have an aptitude for mathematics and science, an interest in the practical application of technical knowledge to societal problems, the motivation to study and prepare for engineering practice, the desire to be a professional, and a desire to work with others to better the lives of humankind. Civil engineering graduates of the University may seek a wide variety of positions in planning, design, and construction with government agencies, industry, and private consulting firms. Those who plan to pursue graduate work in engineering, or in other professions such as business, medicine, law, or journalism, have an excellent base on which to build.

### Student Outcomes

Graduates of the civil engineering program should attain the following outcomes:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Program Educational Objectives

Graduates of the civil engineering program should solve civil engineering problems within a greater societal context. They should:

- Exhibit character and decision-making skills embodying professionalism and ethical behavior
- Apply knowledge, strong reasoning, and quantitative skills to design and implement creative and sustainable solutions
- Engage in lifelong learning to meet evolving engineering challenges facing society
- Exhibit strong communication, critical thinking, interpersonal, and management skills as leaders and contributors in the civil engineering profession

### Portable Computing Devices

Students entering Civil Engineering are required to have a laptop at their disposal. Laptops do not need to be brought to campus on a daily basis, but individual courses may require that a laptop be brought to class or lab sessions. For a list of minimum system requirements see: [www.cae.utexas.edu/students/itss](http://www.cae.utexas.edu/students/itss).

### Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required for the Bachelor of Science in Civil Engineering may also be counted toward the core curriculum; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the US flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag and one writing flag are carried by courses specifically required for the degree; these courses are identified below. Students are advised to fulfill the second writing flag requirement with a course that meets another requirement of the core curriculum. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Requirements		Hours
<b>Civil Engineering Courses</b>		
C E 301	Civil Engineering Systems	3
C E 311K	Introduction to Computer Methods	3
C E 311S	Probability and Statistics for Civil Engineers	3
C E 319F	Elementary Mechanics of Fluids	3
C E 321	Transportation Systems <sup>1</sup>	3
C E 324P	Properties and Behavior of Engineering Materials <sup>1</sup>	3
C E 329	Structural Analysis <sup>1</sup>	3

C E 341	Introduction to Environmental Engineering <sup>1</sup>	3
C E 356	Elements of Hydraulic Engineering <sup>1</sup>	3
C E 357	Geotechnical Engineering <sup>1</sup>	3
C E 370P	Engineering Professionalism	3

#### Architectural Engineering

ARE 217	Computer-Aided Design and Graphics	2
ARE 323K	Project Management and Economics <sup>1</sup>	3

#### Chemistry

CH 301	Principles of Chemistry I (part I science and technology)	3
CH 302	Principles of Chemistry II (part I science and technology)	3

#### Engineering Mechanics

E M 306	Statics	3
E M 319	Mechanics of Solids	3

#### Mathematics

M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4

#### Physics

PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part II science and technology)	3
PHY 303L	Engineering Physics II	3

#### Other Required Courses

E M 311M or M E 310T	Dynamics Applied Thermodynamics	3
E S 333T	Engineering Communication (writing flag; ethics flag)	3

Approved science elective		3
Technical Electives (some courses carry an independent inquiry flag)		18

#### Remaining Core Curriculum Courses

RHE 306	Rhetoric and Writing (English Composition)	3
E 316L or E 316M or E 316N or E 316P	British Literature <sup>2</sup> American Literature World Literature Masterworks of Literature	3
American and Texas government <sup>3</sup>		6
American history <sup>3</sup>		6
Social and behavioral science <sup>4</sup>		3
Visual and performing arts <sup>4</sup>		3
UGS 302 or UGS 303	First-Year Signature Course <sup>5</sup> First-Year Signature Course	3

1. Base Level course

2. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

3. Some sections carry a cultural diversity flag.

4. Some sections carry a global cultures and/or cultural diversity flag.

5. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.

**Total Hours** **124**

## Technical Electives

The civil engineering curriculum does not require the student to declare a specific technical area option. However, for the guidance of students with particular interests, technical electives in civil engineering are listed in areas of specialization. The 18 semester hours of technical electives must be chosen from the following civil engineering and architectural engineering courses; in special cases, with the written permission of the department chair, this requirement may be relaxed, provided the student demonstrates in advance that the courses to be substituted for civil engineering or architectural engineering courses are part of a consistent educational plan. To provide a broad general background, at least one technical elective from each of three different areas of specialization must be included in each student's program.

One, three hour course, from the approved list of math/science/engineering electives may be substituted for a technical elective. This course does not count towards the three different area breadth requirements. The current approved list is available in the departmental undergraduate office.

The following lists reflect current course offerings and are subject to change by the faculty. Current lists are available in the departmental undergraduate office.

#### *Construction Engineering and Project Management Architectural Engineering 335, Materials and Methods of Building Construction*

Architectural Engineering 358, *Cost Estimating in Building Construction*  
Architectural Engineering 366, *Contracts, Liability, and Ethics* (carries an ethics flag)  
Architectural Engineering 376, *Building Information Modeling for Capital Projects*

#### *Infrastructure Materials Engineering*

Civil Engineering 351, *Concrete Materials*  
Civil Engineering 366K, *Design of Bituminous Mixtures*

#### *Environmental Engineering*

Civil Engineering 342, *Water and Wastewater Treatment Engineering*  
Civil Engineering 346, *Solid Waste Engineering and Management*  
Civil Engineering 364, *Design of Wastewater and Water Treatment Facilities* (carries an independent inquiry flag)  
Civil Engineering 369L, *Air Pollution Engineering*  
Civil Engineering 369R, *Indoor Air Quality*  
Civil Engineering 370K, *Environmental Sampling and Analysis*

#### *Geotechnical Engineering*

Civil Engineering 360K, *Foundation Engineering* (carries an independent inquiry flag)  
Civil Engineering 375, *Earth Slopes and Retaining Structures*

#### *Structural Engineering*

Architectural Engineering 345K, *Masonry Engineering*  
Architectural Engineering 362L, *Structural Design in Wood*  
Civil Engineering 331, *Reinforced Concrete Design*

Civil Engineering 335, *Elements of Steel Design*  
 Civil Engineering 362M, *Advanced Reinforced Concrete Design* (carries an independent inquiry flag)  
 Civil Engineering 362N, *Advanced Steel Design* (carries an independent inquiry flag)  
 Civil Engineering 363, *Advanced Structural Analysis*

**Transportation Engineering**

Civil Engineering 367G, *Design and Evaluation of Ground-Based Transportation Systems* (carries an independent inquiry flag)  
 Civil Engineering 367P, *Pavement Design and Performance*  
 Civil Engineering 367T, *Traffic Engineering*  
 Civil Engineering 367R, *Optimization Techniques for Transportation Engineers*

**Water Resources Engineering**

Civil Engineering 358, *Introductory Ocean Engineering*  
 Civil Engineering 374K, *Hydrology*  
 Civil Engineering 374N, *Topics in Natural Water Systems Engineering*  
 Civil Engineering 374U, *Topics in Urban Water Systems Engineering*

## Suggested Arrangement of Courses, Civil Engineering (BSCE)

**First Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
C E 301 (Major)	3	CH 302 (Core) <sup>030, QR</sup>		3 Study Abroad (Opportunity)	
CH 301 (Core) <sup>030, QR</sup>	3	ARE 217 (Major)		2 Internship (Opportunity)	
M 408C (Core) <sup>020, QR</sup>	4	M 408D (Major)		4	
RHE 306 (Core) <sup>010</sup>	3	PHY 303K (Major)		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	PHY 105M		1	
		Social and Behavioral Sciences (Core) <sup>080</sup>		3	
<b>16</b>		<b>16</b>		<b>0</b>	

**Second Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
C E 311K (Major)	3	C E 311S (Major) <sup>QR</sup>		3 Study Abroad (Opportunity)	
E M 306 (Major)	3	E M 319 (Major)		3 Internship (Opportunity)	
M 427J (Major) <sup>QR</sup>	4	C E 319F (Major)		3	
PHY 303L (Core) <sup>030</sup>	3	E S 333T (Major) <sup>E, Wr</sup>		3	
PHY 105N (Major)	1	U.S. History (Core) <sup>060</sup>		3	
U.S. History (Core) <sup>060</sup>	3				
<b>17</b>		<b>15</b>		<b>0</b>	

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
C E 324P (Major)	3	E M 311M or M E 310T (Major)		3 Study Abroad (Opportunity)	
Base level course (Major)	3	Base level course (Major)		3 Internship (Opportunity)	
Base level course (Major)	3	Base level course (Major)		3	
Base level course (Major)	3	Base level course (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>		3	
<b>15</b>		<b>15</b>		<b>0</b>	

**Fourth Year**

First Term	Hours	Second Term	Hours
Technical Elective (Major)	3	C E 370P (Major)	3
Technical Elective (Major)	3	Technical Elective (Major)	3
Technical Elective (Major)	3	Technical Elective (Major)	3
Science elective (Major)	3	Technical Elective (Major)	3
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3
<b>15</b>		<b>15</b>	

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Bachelor of Science in Computational Engineering

Computational engineering is a relatively new field in engineering that recognizes the increasing demand for advanced computational methods in engineering practice. Computational engineering in this context refers to the study and development of computer algorithms that translate mathematical and physical descriptions of engineering problems into languages and software that computers can process. This emphasis distinguishes computational engineering from computer science and computer engineering. Computational engineers must have basic knowledge of fundamental engineering and science, with more advanced knowledge of mathematics, algorithms and software engineering and design. Because of their extensive education in these disciplines, computational engineers can work in a variety of areas.

The objectives of the computational engineering degree program are to prepare students for professional practice in engineering; to prepare students for such post-baccalaureate study as their aptitudes and professional goals may dictate; to instill in students a commitment to acquire and apply new knowledge and to ethical behavior throughout their professional careers; and to make students aware of the global and societal effects of technology. To meet these objectives, the faculty has designed a rigorous curriculum that emphasizes fundamentals in the basic sciences and the humanities, integrates classroom and laboratory experiences in engineering, with advanced instruction in mathematics, statistics and computational science. The curriculum requires students to use modern engineering tools and computer technology, to work individually, and to practice teamwork.

The initial coursework in the computational engineering curriculum emphasize fundamental material along with engineering sciences,

while the later coursework goes into further depth in mathematics, algorithms, computer languages, software engineering and design, and experimentation. The major offers technical electives in the third and fourth years where students may choose from a variety of courses that orient them towards different engineering applications and better prepare those students who may choose to pursue a graduate degree.

## Student Outcomes

Attainment of these outcomes prepares graduates to enter the professional practice of engineering. Computational engineering graduates should demonstrate:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Program Educational Objectives

Within a few years of graduation, computational engineering graduates should:

- Contribute to the economic development of Texas and the nation through the ethical practice of computational engineering in industry and public service
- Exhibit leadership in technical or business activity through engineering ability, communication skills, and knowledge of contemporary and global issues
- Continue to educate themselves through professional study and personal research
- Be prepared for admission to, and to excel in, the best graduate programs in the world
- Use their engineering ability and creative potential to create technology that will improve the quality of life in society

## Portable Computing Devices

Students entering computational engineering are required to have access to a portable computing device capable of running the software tools required for undergraduate engineering analyses (MATLAB, SOLIDWORKS, Word, Excel, etc.) and accessing to the remote server for the department. This device does not need to be brought to campus on a daily basis, but individual courses may require that the device be brought to certain lectures, labs, and/or exams. Minimum and recommended specifications may be found on the department website.

## Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#). In some cases, a course that fulfills one of the following requirements may also be counted toward core curriculum or flag requirements; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and both writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) are identified in the [Course Schedule](#).

Courses used to fulfill technical elective requirements must be approved by the computational engineering faculty before the student enrolls in them.

The student must take all courses required for the degree on the letter-grade basis and must earn a grade of at least C- in each course, except for those listed as Remaining Core Curriculum Courses. He or she must also maintain grade point averages of at least 2.00 in the major area of study and in required technical courses as described in [Academic Standards](#), and a cumulative University grade point average of at least 2.00 as described in [General Information](#).

Requirements		Hours
<b>Computational Engineering Courses</b>		
COE 301	Introduction to Computer Programming	3
COE 311K	Engineering Computation	3
COE 321K	Computational Methods for Structural Analysis	3
COE 322	Scientific Computation	3
COE 332	Software Engineering and Design	3
COE 347	Introduction to Computational Fluid Dynamics	3
COE 352	Advanced Scientific Computation	3
COE 374	Senior Design Project (writing flag and independent inquiry flag)	3
<b>Aerospace Engineering</b>		
ASE 320	Low-Speed Aerodynamics	3
ASE 330M	Linear System Analysis	3
ASE 375	Electromechanical Systems	3
<b>Chemistry</b>		
CH 301	Principles of Chemistry I (part II science and technology)	3
<b>Engineering Mechanics</b>		
E M 306	Statics	3
E M 311M	Dynamics	3
E M 319	Mechanics of Solids	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4



M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
M 427L	Advanced Calculus for Applications II	4
M 362K	Probability I	3
<b>Mechanical Engineering Courses</b>		
M E 210	Engineering Design Graphics	2
M E 310T	Applied Thermodynamics	3
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3
<b>Other required courses</b>		
Approved technical electives		15
E S 333T	Engineering Communication	3
<b>Rhetoric and Writing</b>		
RHE 306	Rhetoric and Writing (English composition)	3
<b>Remaining Core Curriculum Courses</b>		
E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Social and behavioral sciences <sup>3</sup>		3
Visual and performing arts <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	
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1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.		
2. Some sections carry a cultural diversity flag.		
3. Some sections carry a global cultures and/or cultural diversity flag.		
4. In UGS 302, all sections carry a writing flag; in UGS 303, some sections carry a writing flag.		
<b>Total Hours</b>		<b>122</b>

## Technical Electives

The technical electives allow students to focus in a specific area. Of the 15 hours in the degree plan, the following distribution is required. The list of approved electives may be found on the department website.

- Advanced Elective: At least six hours must be chosen from the approved list of advanced electives.
- Math/Computational Elective: Up to six hours may be chosen from the approved list of math/computational electives or six more hours of advanced electives.

- Foundational Elective: Up to three hours may be chosen from the approved list of foundational electives or three more hours of advanced or math/computational electives.

## Suggested Arrangement of Courses, Computational Engineering (BSCompE)

### First Year

First Term	Hours	Second Term	Hours
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 COE 301 (Major)	3
CH 301 (Core) <sup>030</sup>		3 M 408D (General Education)	4
M 408C (Core, General Education) <sup>020</sup>		4 PHY 303K (General Education)	3
RHE 306 (Core) <sup>010</sup>		3 PHY 105M (General Education)	1
Social and Behavioral Sciences (Core) <sup>080</sup>		3 M E 210 (Major)	2
		U.S. History (Core) <sup>060</sup>	3
	<b>16</b>		<b>16</b>

### Second Year

First Term	Hours	Second Term	Hours
E M 306 (Major)		3 COE 311K (Major)	3
COE 322 (Major)		3 COE 332 (Major)	3
M 427J (General Education)		4 E M 311M (Major)	3
PHY 303L (General Education)		3 M 427L (General Education)	4
PHY 105N (General Education)		1 GOV 310L (Core) <sup>070</sup>	3
M E 310T (Major)	3		
	<b>17</b>		<b>16</b>

### Third Year

First Term	Hours	Second Term	Hours
ASE 320 (Major)		3 ASE 330M (Major)	3
E S 333T (Major) <sup>E, Wr</sup>		3 COE 321K (Major)	3
COE 352 (Major)		3 COE 347 (Major)	3
E M 319 (Major)		3 Technical Elective (Major)	3
M 362K (Major)		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3
	<b>15</b>		<b>15</b>

### Fourth Year

First Term	Hours	Second Term	Hours
ASE 375 (Major)		3 COE 374 (Major)	3
Technical electives (Major)		6 Technical electives (Major)	6
GOV 312L (Core) <sup>070</sup>		3 U.S. History (Core) <sup>060</sup>	3
Visual and Performing Arts (Core) <sup>050</sup>	3		
	<b>15</b>		<b>12</b>

**Total credit hours: 122**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

# Bachelor of Science in Electrical and Computer Engineering

The Bachelor of Science in Electrical and Computer Engineering is introduced in this catalog as a replacement for the two Electrical Engineering degrees offered in past catalogs. Students pursuing those degrees should refer to the appropriate earlier catalog for degree requirements. ABET accreditation for the new degree is planned and is expected to be requested during this catalog cycle.

The curriculum in electrical engineering and computer engineering is designed to educate students in the fundamentals of engineering, which are built upon a foundation of mathematics, science, communication, and the liberal arts. Graduates should be equipped to advance their knowledge while contributing professionally to a rapidly changing technology. Areas in which electrical and computer engineers contribute significantly are: communications, signal processing, networks and systems, electronics and integrated circuits, energy systems and renewable energy, fields, waves and electromagnetic systems, nanoelectronics and nanotechnology, computer architecture and embedded systems, and software engineering and design. Typical career paths of graduates include design, development, management, consulting, teaching, and research. Many graduates seek further education in law, medicine, business, or engineering.

The core requirements of the Bachelor of Science in Electrical and Computer Engineering provide a foundation of engineering fundamentals. Students then build on the core requirements by choosing an advanced technical component and a set of free electives from within or outside of the department. Once the technical core area is chosen, the student is assigned a faculty advisor with expertise in that area to help the student select technical core courses that are appropriate to his or her career and educational goals. The curriculum thus ensures breadth through the core courses and the choice of a technical elective; technical core area coursework provides additional depth.

## Student Outcomes

Electrical and computer engineering graduates should demonstrate:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Program Educational Objectives

Electrical and computer engineering graduates should:

- Be highly skilled, trained, and educated for the ethical practice of electrical and computer engineering in industry and public service
- Exhibit leadership in technical or business activity through engineering ability, communication skills, and knowledge of contemporary and global issues
- Continuously educate themselves through professional study and personal research to expand and apply knowledge within and outside the discipline
- Use their engineering ability and creative potential to create technology solutions that consider environmental and social impacts to improve the quality of life in society
- Be able to develop and design systems, artifacts, and methods either individually or in teams
- Be prepared for admission to, and to excel in, the best graduate programs in the world

## Portable Computing Devices

Students enrolled in a degree program in electrical and computer engineering will be expected to own a portable computing device capable of compiling and running a program suitable for use in the classroom and on the University wireless network. Use of these devices in the classroom and as a general part of the learning experience within our programs is at the discretion of faculty and not all classes or courses of instruction will require the use of these devices. Once admitted, students will be informed by the Electrical and Computer Engineering Department (ECE) office about specific device requirements.

## Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's core curriculum. In some cases, a course that fulfills one of the following requirements may also be counted toward the core curriculum; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one course with a quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the US flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and two writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#). More information about flags is given in [Skills and Experiences Flags](#) (p. ).

Enrollment in Electrical and Computer Engineering 333T, 160, 260, 360, 460, and 379K requires completion of Electrical and Computer Engineering 312 or 313 with a grade of at least C-.

Pre-approved courses are used to fulfill technical core, advanced math and/or science and core technical electives; other elective courses must be approved by the electrical and computer engineering faculty before the student enrolls in them.

Transfer Coursework: No more than 25 semester credit hours of transfer electrical and computer engineering coursework may be counted for credit toward the electrical and computer engineering degree.

Requirements		Hours
<b>Electrical and Computer Engineering Courses</b>		
ECE 302	Introduction to Electrical Engineering (part II science and technology)	3

or ECE 302H	Introduction to Electrical Engineering: Honors	
ECE 306	Introduction to Computing	3
ECE 411	Circuit Theory	4
ECE 312	Software Design and Implementation I	3
or ECE 312H	Software Design and Implementation I: Honors	
ECE 313	Linear Systems and Signals	3
ECE 319K	Introduction to Embedded Systems	3
or ECE 319H	Introduction to Embedded Systems: Honors	
ECE 333T	Engineering Communication (writing flag)	3
ECE 351K	Probability and Random Processes	3
ECE 364D	Introduction to Engineering Design (writing flag)	3
or ECE 364E	Interdisciplinary Entrepreneurship	
One of the following senior design project courses:		4
ECE 464G	Multidisciplinary Senior Design Project (independent inquiry flag)	
ECE 464H	Honors Senior Design Project (independent inquiry flag)	
ECE 464K	Senior Design Project (independent inquiry flag)	
ECE 464R	Research Senior Design Project (independent inquiry flag)	
ECE 464S	Start-Up Senior Design Project	
Advance technical component: Within an identified "core":		14
two core courses (6-7 hours), one core laboratory course (4 hours), one advanced mathematics course (3-4 hours)		
Advanced technical component electives: Within the same identified "core":		12
four courses (minimum 12 hours)		
Advanced technical elective: Within any core of Electrical Engineering: one upper-division electrical engineering course (or E E 316) (3-4 hours) <sup>1</sup>		3
Set of free electives: at least 14 hours of additional coursework taken for a letter grade. <sup>2</sup>		14
<b>Other Technical Courses</b>		
<b>Mathematics</b>		
M 408C & M 408D	Differential and Integral Calculus and Sequences, Series, and Multivariable Calculus (mathematics; quantitative reasoning flag)	8
or		
M 408K & M 408L & M 408M	Differential Calculus and Integral Calculus and Multivariable Calculus	
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
M 340L	Matrices and Matrix Calculations	3
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3

PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3
<b>Rhetoric and Writing</b>		
RHE 306	Rhetoric and Writing (English composition)	3
<b>Remaining Core Curriculum Courses</b>		
E 316L	British Literature <sup>3</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>4</sup>		6
American history <sup>4</sup>		6
Visual and performing arts <sup>5</sup>		3
Social and behavioral science <sup>5</sup>		3
UGS 302	First-Year Signature Course <sup>6</sup>	3
or UGS 303	First-Year Signature Course	

1. E E Option: Advanced Technical Component (mathematics) is four hours and one Advanced Technical Component Requirement is three hours. C E Option: Advanced Technical Component (mathematics) is three hours and one Advanced Technical Component Elective is four hours.

2. Must include at least one advanced mathematics or basic science course (three hours); no more than three hours of lower-division coursework; all coursework must count for a major in the offering department; all coursework must be taken in residence, except that up to three credit hours can be transferred with approval; no course can duplicate a course the student has taken or is required to take as part of the other Electrical and Computer Engineering coursework requirements.

3. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

4. Some sections carry a cultural diversity flag.

5. Some sections carry a global cultures and/or cultural diversity flag.

6. In UGS 302, all sections carry a writing flag; in UGS 303, some sections carry a writing flag.

**Total Hours** **125**

## Electrical and Computer Engineering Honors Program

The Electrical and Computer Engineering Honors program is a curriculum program. Students admitted to, and who complete the program and all its requirements, receive a Bachelors of Science in Electrical and Computer Engineering with the ECE Honors transcript distinction. Students entering the University as first time in college applicant may apply to the ECE Honors program by completing a separate online application available through the Office of Admissions. The ECE Honor's committee considers and reviews all supplemental material required in the online application for the ECE Honors program. All admission decisions must be made by the UT Austin Office of Admissions, with the ECE Honors Selection Committee providing recommendations. Students may also apply and be admitted into the ECE Honors Program after matriculating to The University of Texas at Austin. External transfer students are required to complete the separate online application process. The internal application process for internal transfer students requires a copy of the student's record at UT Austin; a transcript

of high school courses and grades; a resume detailing relevant accomplishments, experience, and activities; and written statements. The ECE Honors Selection Committee will consider these applications, and on that basis, will decide admission to the ECE Honors Program. In order to remain in the program, ECE Honors Students must maintain a GPA of at least 3.3 in their ECE courses (honors and non-honors), and must be in good standing according to current policies of the ECE department.

Students must take and successfully complete at least 17 hours of ECE honors courses to be considered for graduation as an ECE Honors Student. Students who join the program in the first semester of their freshman year must take the following in their first year: one-hour lower-division ECE honors course, ECE 302H, ECE 312H, ECE 319H. Additional courses to be used towards the ECE Honors program include three-hour upper-division ECE honors course, ECE 364D, and ECE 464H. Approved ECE graduate courses used as part of the ECE Undergraduate Degree may also be counted or substituted for ECE Honors credit. Note that this does not apply for graduate courses taken for graduate credit as part of a graduate or joint ECE BS/MS program. All ECE honors courses are used to fulfill ECE course requirements. Students in the ECE Honors Program must complete all curriculum requirements and a minimum of 125 hours.

## Honors Electrical and Computer Engineering and Business (ECB-Program)

Honors Electrical and Computer Engineering and Business (ECB) is a dual degree program between the Canfield Business Honors Program (Canfield BHP) and the Department of Electrical and Computer Engineering (ECE). The dual degree program's four-year undergraduate curriculum is aimed at preparing students for engineering and business careers. Students must successfully complete all requirements for both programs to receive a Bachelor of Science in Electrical and Computer Engineering with the ECE Honors transcript distinction and a Bachelor of Business Administration.

### Admissions

Admission to the ECB program is limited to a small number of high-performing students who are chosen on a competitive basis. Students selected for the program will have demonstrated exceptional potential for success in both engineering and business. Admission decisions are made by the ECB committee. Students enter the program as a freshman.

The ECB program has its own admissions criteria and requirements that supplement the standard admissions requirements for the Cockrell School of Engineering, Canfield BHP, and UT Austin. Students will apply to the dual degree program in parallel with their application to UT Austin, the Cockrell School of Engineering, and the McCombs School of Business.

Students entering the university as freshmen may apply to the ECB program by completing a separate online application available through the UT Austin Office of Admissions. The committee considers the student's SAT Reasoning Test or ACT scores, high school rank, preparatory courses, extracurricular activities, evidence of leadership ability, and other objective criteria.

### Academic Standards

A student who enters ECB as a freshman must have a grade point average of at least 3.25 on the Canfield BHP courses taken in residence during the fall and spring semesters of the first year to continue in the program. An ECB student must maintain a GPA of at least 3.3 in their ECE courses (honors and non-honors) and must be in good standing according to current policies of the ECE department and Canfield BHP.

Students must complete at least 12 semester hours in residence on a letter-grade basis during the fall and spring semesters of the first year.

After freshman year, students are dismissed from the program if their overall business GPA drops below 3.25 or ECE GPA drops below a 3.3. Students failing to meet these requirements will be placed on probation for one semester, and then dismissed from the ECB program if they fail to improve their GPA. Students dismissed from the honors program become part of their first-choice major indicated on their admissions application unless they petition to join their second-choice major.

In addition to this grade point average requirement, students must know and abide by the academic and disciplinary policies given in this catalog and in the General Information Catalog. Those who fail to do so will be considered for academic dismissal from the program. Under special circumstances, and at the discretion of the ECB program committee, a student will be allowed to continue in the program under academic review. Students in scholastic difficulty should discuss their problems with the ECB program director(s) and their academic advisor(s).

### Graduation

To graduate under the ECB program, the student must earn a university grade point average of at least 3.25, a grade point average of at least 3.25 in business courses, and a grade point average of at least a 3.3 in electrical and computer engineering courses. A candidate for any degree must be enrolled at The University of Texas at Austin in the semester or summer session in which the degree is awarded.

Students in the ECB program must satisfy the university Core Curriculum and the combined degree requirements for a Bachelor of Science in Electrical and Computer Engineering with the ECE Honors transcript distinction and a Bachelor in Business Administration. If students later elect to complete only one degree, they must consult their academic advisor(s) and fulfill all degree requirements.

### Degree Requirements

- The Core Curriculum requirements and the BBA Degree Requirements.
- Mathematics 408C and 408D, or 408K, 408L, and 408M; 340L, and 427J.
- Physics 303K and 105M, 301 and 101L or 317K and 117M; and 303L and 105N, 316 and 116L, or 317L and 117N.
- Economics 304K and 304L.
- Three semester hours of coursework in anthropology, psychology, educational psychology, or sociology with a primary focus other than statistics or data processing. Courses dealing primarily with statistics or data processing may not be used to fulfill this requirement. Social Science 302C, 302D, 302E, and 302F (for Plan II dual majors only), are also accepted.
- Students must take and successfully complete at least 16 hours of ECE Honors courses.
  - Electrical and Computer Engineering 302H and 319H in their first year.
  - Additional courses to be used towards the ECE Honors program include: two three-hour upper-division ECE honors courses, Electrical and Computer Engineering 312H, and 464H.
  - Approved ECE graduate courses used as part of the ECE undergraduate degree may also be counted or substituted. Note that this does not apply for graduate courses taken for graduate credit as part of a graduate or integrated BSECE/MSECE program.
  - All ECE honors courses are used to fulfill ECE course requirements.

- g. Students in the ECB Honors Program must complete all ECE curriculum requirements and a minimum of 125 hours. Please refer to the Engineering “Degrees and Programs” section of this catalog for technical course options within each linked degree major program.
- i. 17 hours of business honors courses that substitute for ECE courses required for the ECE degree:
    - Business Administration 324H (substitutes for Electrical and Computer Engineering 333T)
    - Accounting 311H (substitutes for ECE lower-division elective)
    - Statistics 235H (substitutes for ECE advanced math or basic science)
    - Finance 357H (substitutes for ECE technical elective)
    - Management 336H (substitutes for ECE free elective)
    - Management 327H (substitutes for ECE free elective)
  - ii. Electrical and Computer Engineering 306, 411, and 313.
  - iii. Advance technical component within an identified component area: two component area courses (6-7 hours), one component laboratory course (four hours), one advanced mathematics course (3-4 hours).
  - iv. Three electrical and computer engineering advanced technical elective courses (nine hours).
  - v. Advanced technical elective: Within any core of electrical and computer engineering: one upper-division electrical and computer engineering course (or Electrical and Computer Engineering 316) (3-4 hours).
- h. Completion of the following business and business honors courses:
- i. Accounting 311H (may fulfill the quantitative reasoning flag)
  - ii. Accounting 312H (may fulfill the quantitative reasoning flag)
  - iii. Business Administration 101H
  - iv. Business Administration 151H
  - v. A professional, business-related experiential learning course chosen from the following: Accounting 366P, Business Administration 353 653, Finance 366P Management 347P, 366P, 367P, 369P, Management Information Systems 366P Marketing 366P, Operations Management 366P. Only one of the following courses may be counted toward the degree: Business Administration 353, Business Administration 653
  - vi. Business Administration 324or Communication 324H (may fulfill the writing flag)
  - vii. Decision Science 235H
  - viii. Finance 357H
  - ix. Legal Environment of Business 323H
  - x. Management 101H
  - xi. Management 336H (may fulfill the ethics flag)
  - xii. Management 327H
  - xiii. Management 374H (may fulfill the writing and independent inquiry flags)
  - xiv. Management Information Systems 301H
  - xv. Marketing 337H
  - xvi. Operations Management 235H
  - xvii. Statistics 301H
  - xviii. Statistics 235H(may fulfill the quantitative reasoning flag)

This dual major program requires 155 hours for completion of both degrees

## Integrated Bachelor of Science in Electrical Engineering/Master of Science in Engineering Program

The integrated degree program results in simultaneously awarding a Bachelor of Science in Electrical and Computer Engineering: Integrated Option (BSECE) degree, and a Master's of Science in Engineering (MSE) degree in any one of the ten graduate tracks offered by the graduate program in electrical and computer engineering (ECE).

There are two stages to admission, an informal non-binding department based stage and a second stage in which the student formally applies to the Graduate School within the integrated BSECE/MSE program and within one of the available ECE graduate tracks. At stage one, undergraduate students in the ECE department may apply to the integrated degree program after qualifying for admission to major sequence. The purpose of stage one is primarily to provide appropriate advising to students interested in and appropriate for the integrated program. Admission to the integrated program at stage one is based on the applicant's grade point average, letters of recommendation, a statement of purpose, and other relevant examples of academic ability and leadership. Students will be advised by the integrated program advisor about the appropriate courses to take and reserve for graduate credit in their senior year in order to complete the integrated program as efficiently as possible. As for admission to the regular standalone MSE program, all admissions decisions at stage two are made by the admissions committee in the respective graduate track, with admission requirements set by the graduate track, with the exception that Graduate Record Exam (GRE) test scores are not required of integrated program participants. While optimal, application and admission at stage one are not required for application and admission to the integrated program at stage two.

The integrated program requires 120 semester credit hours (SCH) for the BSECE portion of the integrated program, as opposed to the 125 SCH minimum required for the BSECE degree alone. Students in the integrated program begin taking graduate courses as seniors. Students admitted to the integrated program will normally take and reserve for graduate credit two graduate courses in place of approved electives from the advanced technical coursework that would *otherwise* be required in the regular/standalone BSECE program. However, precisely which BSECE electives are to be replaced by the graduate courses can be adjusted as approved by technical core faculty advisors.

Students in this program will receive the BSECE and MSE degrees simultaneously after successfully completing a minimum total of 150 semester credit hours, 30 of which must qualify for the MSE program of work in electrical and computer engineering. Students unable to successfully complete the integrated program may obtain a BSECE degree by satisfying all of the requirements for the standalone BSECE degree. Since the regular BSECE degree requirements are a subset of the Integrated BSECE/MSE Program degree requirements, an undergraduate student should still be on a trajectory to graduate with the regular BSECE degree in the same timeframe that the student was on when applying to the Integrated BSECE/MSE Program. A student dismissed from the integrated program while a graduate student should already meet the degree requirements for the regular BSECE degree.

Information regarding the integrated program requirements and policies may be obtained from the ECE advising offices.

## Upper-Division Technical Component Areas

Electrical and computer engineering students must choose an advanced technical component area from the electrical engineering or computer engineering areas listed below.

For all technical component areas, the student must complete all courses in the area on the letter-grade basis.

### Electrical Engineering Advanced Technical Component Areas *Communications, Signal Processing, Networks, and Systems*

Communications, signal processing, networks, and systems broadly encompasses the principles underlying the design and implementation of systems for information transmission. The field considers how information is represented, compressed, and transmitted on wired and wireless links and how communication networks can be, and are, designed and operated. A student who chooses this technical component area should recognize that communications and networking is a broad application domain where many engineering tools come into play: from circuit design for wireless phones to embedded network processors to system and application software for networked systems.

Students complete the following:

- a. Either Electrical and Computer Engineering 325, *Electromagnetic Engineering* or ECE 351M *Digital Signal Processing*
- b. One of the following: Electrical and Computer Engineering 362K, *Introduction to Automatic Control*, Electrical and Computer Engineering 371Q, *Digital Image Processing*, or ECE 360K *Introduction to Digital Communications*
- c. Core laboratory course: Either Electrical and Computer Engineering 445S, *Real-Time Digital Signal Processing Laboratory*, or ECE 471C *Wireless Communications Laboratory*
- d. Core mathematics course: Mathematics 427L, *Advanced Calculus for Applications II*
- e. Four courses from the following list:  
Electrical and Computer Engineering 325, *Electromagnetic Engineering*  
Electrical and Computer Engineering 325K, *Antennas and Wireless Propagation*  
Electrical and Computer Engineering 445S, *Real-Time Digital Signal Processing Laboratory*  
Electrical and Computer Engineering 351M, *Digital Signal Processing*  
Electrical and Computer Engineering 360C, *Algorithms*  
Electrical and Computer Engineering 460J, *Data Science Laboratory*  
Electrical and Computer Engineering 360K, *Introduction to Digital Communications*  
Electrical and Computer Engineering 461P, *Data Science Principles*  
Electrical and Computer Engineering 362K, *Introduction to Automatic Control*  
Electrical and Computer Engineering 363M, *Microwave and Radio Frequency Engineering*  
Electrical and Computer Engineering 471C, *Wireless Communications Laboratory*  
Electrical and Computer Engineering 371Q, *Digital Image Processing*  
Mathematics 325K, *Discrete Mathematics*  
Mathematics 362M, *Introduction to Stochastic Processes* (carries a quantitative reasoning flag)  
Mathematics 365C, *Real Analysis I*

### Electronics and Integrated Circuits

The electronics and integrated circuits technical component area involves the design and analysis of the circuits that provide the functionality of a system. The types of circuits that students encounter

include analog and digital integrated circuits, radio frequency circuits, mixed signal (combination of analog and digital) circuits, power electronics, and biomedical electronics. The design and implementation of integrated circuits and systems using analog and digital building blocks are included in this core area. A student should choose this technical component area if he or she is interested in designing chips for applications, such as computing, telecommunications, and signal processing.

Students complete the following:

- a. Electrical and Computer Engineering 325, *Electromagnetic Engineering*
- b. Electrical and Computer Engineering 339, *Solid-State Electronic Devices*
- c. Core laboratory course: Electrical and Computer Engineering 438, *Fundamentals of Electronic Circuits I Laboratory*
- d. Core mathematics course: Mathematics 427L, *Advanced Calculus for Applications II*
- e. Electrical and Computer Engineering 316, *Digital Logic Design*
- f. Three courses from the following list:  
Electrical and Computer Engineering 321K, *Mixed Signal and Circuits Laboratory*  
Electrical and Computer Engineering 438K, *Analog Electronics*  
Electrical and Computer Engineering 338L, *Analog Integrated Circuit Design*  
Electrical and Computer Engineering 440, *Integrated Circuit Nanomanufacturing Techniques*  
Electrical and Computer Engineering 445L, *Embedded Systems Design Laboratory*  
Electrical and Computer Engineering 445S, *Real-Time Digital Signal Processing Laboratory*  
Electrical and Computer Engineering 460M, *Digital Systems Design Using Hardware Description Languages*  
Electrical and Computer Engineering 460N, *Computer Architecture*  
Electrical and Computer Engineering 460R, *Introduction to VLSI Design*  
Electrical and Computer Engineering 360S, *Digital Integrated Circuit Design*  
Electrical and Computer Engineering 361R, *Radio-Frequency Electronics*  
Electrical and Computer Engineering 363M, *Microwave and Radio Frequency Engineering*  
Electrical and Computer Engineering 374K, *Biomedical Electronic Instrument Design*  
Electrical and Computer Engineering 374L, *Applications of Biomedical Engineering*

### Energy Systems and Renewable Energy

This technical component area provides the foundation for a career in electric power systems, generation, grid operation, motors and drives, and renewable energy sources. This area involves the study and design of reliable and economic electric power systems, including both traditional and renewable resources. Energy conversion involves conversion to and from electrical energy, including the study and design of electrical machines.

Students complete the following:

- a. Electrical and Computer Engineering 325, *Electromagnetic Engineering*
- b. Electrical and Computer Engineering 368L, *Power Systems Apparatus and Laboratory* or Electrical and Computer Engineering 369, *Power Systems Engineering*
- c. Core laboratory course: Electrical and Computer Engineering 462L, *Power Electronics Laboratory*

- d. Core mathematics course: Mathematics 427L, *Advanced Calculus for Applications II*
- e. Electrical and Computer Engineering 362K, *Introduction to Automatic Control*
- f. Three courses from the following list:
  - Electrical and Computer Engineering 339, *Solid-State Electronic Devices*
  - Electrical and Computer Engineering 339S, *Solar Energy Conversion Devices*
  - Electrical and Computer Engineering 341, *Electric Drives and Machines*
  - Electrical and Computer Engineering 362Q, *Power Quality and Harmonics*
  - Electrical and Computer Engineering 362R, *Renewable Energy and Power Systems*
  - Electrical and Computer Engineering 362S, *Development of a Solar-Powered Vehicle*
  - Electrical and Computer Engineering 368L, *Power Systems Apparatus and Laboratory*
  - Electrical and Computer Engineering 369, *Power Systems Engineering*
  - Mechanical Engineering 337C, *Introduction to Nuclear Power Systems*

### **Fields, Waves, and Electromagnetic Systems**

Students in this technical component area study different aspects of applied electromagnetics, including antennas, radio wave propagation, microwave and radio frequency circuits and transmission structures, optical components and lasers, and engineering acoustics. A student should choose the electromagnetic engineering area if he or she is interested in engineering that involves the physical layer in modern communication and radar systems. Graduates are well positioned for jobs in antenna design and testing, propagation channel characterization, microwave and radio frequency circuit design, electromagnetic emission testing from electronic devices and systems, radar system design and development, optical telecommunication, optical information and signal processing systems, and component design and development.

Students complete the following:

- a. Electrical and Computer Engineering 325, *Electromagnetic Engineering*
- b. Electrical and Computer Engineering 339, *Solid-State Electronic Devices*
- c. Core laboratory course: Electrical and Computer Engineering 438, *Fundamentals of Electronic Circuits I Laboratory* or Electrical and Computer Engineering 462L, *Power Electronics Laboratory*
- d. Core mathematics course: Mathematics 427L, *Advanced Calculus for Applications II*
- e. Either Electrical and Computer Engineering 325K, *Antennas and Wireless Propagation* or Electrical and Computer Engineering 363M, *Microwave and Radio Frequency Engineering*
- f. Three courses from the following list:
  - Electrical and Computer Engineering 321K, *Mixed Signal and Circuits Laboratory*
  - Electrical and Computer Engineering 325K, *Antennas and Wireless Propagation*
  - Electrical and Computer Engineering 334K, *Quantum Theory of Electronic Materials*
  - Electrical and Computer Engineering 341, *Electric Drives and Machines*
  - Electrical and Computer Engineering 347, *Modern Optics*
  - Electrical and Computer Engineering 348, *Laser and Optical Engineering*
  - Electrical and Computer Engineering 361R, *Radio-Frequency Electronics*

- Electrical and Computer Engineering 363M, *Microwave and Radio Frequency Engineering*
- Electrical and Computer Engineering 363N, *Engineering Acoustics*
- Electrical and Computer Engineering 369, *Power Systems Engineering*
- Electrical and Computer Engineering 374K, *Biomedical Electronic Instrument Design*
- Electrical and Computer Engineering 374L, *Applications of Biomedical Engineering*

### **Nanoelectronics and Nanotechnology**

Students in this technical component area learn about the materials and devices used in modern electronic and optoelectronic systems. Through required and elective courses, students learn about the fundamentals of charge transport and interactions with light in semiconductors. They learn about devices beginning with diodes and transistors, the building blocks of integrated circuits, and extending to photodiodes, semiconductor lasers, photodetectors and photovoltaic devices. They learn about microelectronics fabrication techniques. And they are introduced to quantum mechanics, particularly as it applies to electronic and optoelectronic materials and devices. Students may also explore device applications through digital and analog circuit design. With exposure to the topics in this area, students are well positioned to work in a wide variety of fields that rely on semiconductor devices, such as computers, telecommunications, the automotive industry, and consumer electronics.

Students complete the following:

- a. Electrical and Computer Engineering 325, *Electromagnetic Engineering*
- b. Electrical and Computer Engineering 339, *Solid-State Electronic Devices*
- c. Core laboratory course: Electrical and Computer Engineering 440, *Integrated Circuit Nanomanufacturing Techniques*
- d. Core mathematics course: Mathematics 427L, *Advanced Calculus for Applications II*
- e. Four courses from the following list:
  - Electrical and Computer Engineering 334K, *Quantum Theory of Electronic Materials*
  - Electrical and Computer Engineering 438, *Fundamentals of Electronic Circuits I Laboratory*
  - Electrical and Computer Engineering 338L, *Analog Integrated Circuit Design*
  - Electrical and Computer Engineering 339S, *Solar Energy Conversion Devices*
  - Electrical and Computer Engineering 347, *Modern Optics*
  - Electrical and Computer Engineering 348, *Laser and Optical Engineering*
  - Electrical and Computer Engineering 360S, *Digital Integrated Circuit Design*
  - Electrical and Computer Engineering 438, *Fundamentals of Electronic Circuits I Laboratory*
  - Electrical and Computer Engineering 460R, *Introduction to VLSI Design*

## **Computer Engineering Advanced Technical Component Areas**

### **Computer Architecture and Embedded Systems**

Computer architecture involves understanding the operation and design of computers on many different levels. These levels include the instruction set, microarchitecture, and logic design. Embedded systems represent the combination of software and hardware that are designed to perform specific functions. These systems may be stand-alone items or an integral part of a larger system. Within this technical component area, students are exposed to logic design, programming,

computer architecture, systems design, and digital signal processing. The student studying computer architecture will be well positioned to join the microprocessor design industry as a logic designer or a circuit designer. After a good deal of experience on the job, the student would be well positioned to become the chief architect of a new design.

Jobs in embedded systems involve defining, designing, and fabricating application-specific processors and computers in areas such as automotive electronics, consumer devices, and telecommunications.

Students complete the following:

- a. Electrical and Computer Engineering 316, *Digital Logic Design*
- b. Electrical and Computer Engineering 460N, *Computer Architecture*
- c. Core laboratory course: Electrical and Computer Engineering 445L, *Embedded Systems Design Laboratory*
- d. Core mathematics course: Mathematics 325K, *Discrete Mathematics*
- e. Electrical and Computer Engineering 360C, *Algorithms*
- f. Three courses from the following list:  
Electrical and Computer Engineering 422C, *Software Design and Implementation II*  
Electrical and Computer Engineering 445M, *Embedded and Real-Time Systems Laboratory*  
Electrical and Computer Engineering 445S, *Real-Time Digital Signal Processing Laboratory*  
Electrical and Computer Engineering 460M, *Digital Systems Design Using Hardware Description Languages*  
Electrical and Computer Engineering 360P, *Concurrent and Distributed Systems*  
Electrical and Computer Engineering 460R, *Introduction to VLSI Design*  
Electrical and Computer Engineering 362K, *Introduction to Automatic Control*  
Computer Science 375, *Compilers*

### **Software Engineering and Design**

Courses in this area cover the engineering life cycle of software systems, including requirement analysis and specification, design, construction/programming, testing, deployment, maintenance, and evolution. Area courses are intended to teach students theory, practical methods, and tools for designing, building, delivering, maintaining, and evolving software to meet stakeholder requirements. Every software engineer must understand how software systems operate and how they can be used to solve engineering problems and deliver solutions. The courses in this area are designed to educate students about a diverse and relevant set of technologies and about the ways that technology can be used to design and build software systems.

Students complete the following:

- a. Electrical and Computer Engineering 422C, *Software Design and Implementation II*
- b. Electrical and Computer Engineering 360C, *Algorithms*
- c. Core laboratory course: Electrical and Computer Engineering 461L, *Software Engineering and Design Laboratory*
- d. Core mathematics course: Mathematics 325K, *Discrete Mathematics*
- e. Four courses from the following list:  
Electrical and Computer Engineering 316, *Digital Logic Design*  
Electrical and Computer Engineering 445L, *Embedded Systems Design Laboratory*  
Electrical and Computer Engineering 445M, *Embedded and Real-Time Systems Laboratory*  
Electrical and Computer Engineering 360F, *Introduction to Software Engineering*  
Electrical and Computer Engineering 460N, *Computer Architecture*

Electrical and Computer Engineering 360P, *Concurrent and Distributed Systems*

Electrical and Computer Engineering 361Q, *Requirements Engineering*

Electrical and Computer Engineering 372N, *Telecommunication Networks*

Electrical and Computer Engineering 360T, *Software Testing*

Electrical and Computer Engineering 461P, *Data Science Principles*

### **Data Science and Information Processing**

This technical component trains students in information and signal processing, data mining as well as decision and control algorithms. Applications include data analytics, machine learning, sound and image processing as well as knowledge extraction and actuation.

Students complete the following:

- a. Electrical and Computer Engineering 461P, *Data Science Principles*
- b. *Electrical and Computer Engineering 360C, Algorithms*
- c. Core laboratory course: Electrical and Computer Engineering 460J, *Data Science Laboratory*
- d. Core mathematics course: Mathematics 325K, *Discrete Mathematics*
- e. Electrical and Computer Engineering 351M, *Digital Signal Processing*
- f. Three courses from the following list:  
Electrical and Computer Engineering 422C, *Software Design and Implementation II*  
Electrical and Computer Engineering 445S, *Real-Time Digital Signal Processing Laboratory*  
Electrical and Computer Engineering 360P, *Concurrent and Distributed Systems*  
Electrical and Computer Engineering 361C, *Multicore Computing*  
Electrical and Computer Engineering 462L, *Power Electronics Laboratory*  
Electrical and Computer Engineering 362K, *Introduction to Automatic Control*  
Electrical and Computer Engineering 471C, *Wireless Communications Laboratory*  
Electrical and Computer Engineering 371Q, *Digital Image Processing*

### **Alternate Mathematics Courses**

For students who choose an advanced technical component area in computer engineering:

Mathematics 427L, *Advanced Calculus for Applications II*

Mathematics 328K, *Introduction to Number Theory*

Mathematics 343K, *Introduction to Algebraic Structures*

Mathematics 344K, *Intermediate Symbolic Logic*

Mathematics 348, *Scientific Computation in Numerical Analysis* (carries a quantitative reasoning flag)

Mathematics 358K, *Applied Statistics* (carries a quantitative reasoning flag)

Mathematics 374M, *Mathematical Modeling in Science and Engineering*

Computer Science 341, *Automata Theory*

Computer Science 346, *Cryptography*

For students who choose an advanced technical component area in electrical engineering:

Mathematics 325K, *Discrete Mathematics*

Mathematics 328K, *Introduction to Number Theory*

Mathematics 346, *Applied Linear Algebra*

Mathematics 348, *Scientific Computation in Numerical Analysis* (carries a quantitative reasoning flag)

Mathematics 358K, *Applied Statistics* (carries a quantitative reasoning flag)

Mathematics 361, *Theory of Functions of a Complex Variable*



Mathematics 362M, *Introduction to Stochastic Processes*  
 Mathematics 372K, *Partial Differential Equations and Applications*  
 Mathematics 374, *Fourier and Laplace Transforms*  
 Mathematics 374M, *Mathematical Modeling in Science and Engineering*

Free elective (Elective)	3	
	15	16
<b>Total credit hours: 125</b>		<b>0</b>

## Suggested Arrangement of Courses, Electrical and Computer Engineering (BSECE)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECE 302 or 302H (Core) <sup>093</sup>	3	ECE 319K or 319H (Major)	3	Study Abroad (Opportunity)	
ECE 306 (Major)	3	M 408D (Major)	4	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	PHY 303K & PHY 105M (Core) <sup>030, QR</sup>	4		
M 408C (Core) <sup>020, QR</sup>	4	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3				
	16		14		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECE 411 (Major)	4	ECE 312 or 312H (Major)	3	Study Abroad (Opportunity)	
M 427J (Major) <sup>QR</sup>	4	ECE 313 (Major)	3	Internship (Opportunity)	
PHY 303L & PHY 105N (Core) <sup>030</sup>	4	M 340L (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
		GOV 310L (Core) <sup>070</sup>	3		
	15		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECE 333T (Major) <sup>E, Wr</sup>	3	Advanced technical elective (Major)	3	Study Abroad (Opportunity)	
ECE 351K (Major)	3	Free elective (mathematics or basic science) (Major)	4	Internship (Opportunity)	
Advanced technical component (Math) (Major)	4	Free elective (Elective)	4		
Advanced technical component laboratory (Major)	4	Advanced technical component requirement (Major)	3		
Advanced technical component requirement (Major)	3	Advanced technical component elective (Major)	3		
	17		17		0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECE 364D or 364E (Major) <sup>Wr</sup>	3	ECE 464C, 464G, 464H, 464K, 464R, or 464S (Major) <sup>II</sup>	4	(None)	
U.S. History (Core) <sup>060</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
Advanced technical component electives (Major)	6	Advanced technical component elective (Major)	3		

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Environmental Engineering

Environmental Engineers protect the natural environment and the health of people as influenced by the environment. The field began as a part of civil engineering by providing the water supply for municipalities but has grown to encompass a broad view of the interaction of humans with the environment. The environmental engineer applies principles from all of the natural sciences (physics, chemistry, geology, and biology) to understand the natural environment and to build systems that protect that environment. Areas of environmental engineering include air quality, water quality, water resources, and contaminant process engineering.

The environmental engineering student obtains a broad background in mathematics and all the sciences, along with their application to the several areas of environmental engineering. This flexible curriculum allows the student to elect 18 semester hours of approved technical coursework to emphasize the areas of environmental engineering of most interest to the student. In addition, courses in the humanities and social sciences are included.

To excel as an environmental engineer, a student should have an aptitude for mathematics and science, an abiding interest in protecting the natural environment and public health, and the motivation to study and prepare for environmental engineering practice. Environmental engineering graduates of the University may seek a wide variety of employment opportunities with private consulting firms, industry, and government agencies at the local, state, and national levels. Those who plan to pursue graduate work in engineering, or in other professions such as business, medicine, law, or journalism, have an excellent base on which to build.

## Student Outcomes

Graduates of the environmental engineering program should attain the following outcomes:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Program Educational Objectives

Graduates of the environmental engineering program should address environmental engineering problems within a greater societal context. They should:

- Exhibit character and decision-making skills embodying professionalism and ethical behavior
- Apply knowledge, strong reasoning, and quantitative skills to design and implement creative and sustainable solutions
- Engage in lifelong learning to meet evolving engineering challenges facing society
- Exhibit strong communication, critical thinking, interpersonal, and management skills as leaders and contributors in the environmental engineering profession

## Portable Computing Devices

Students entering Environmental Engineering are required to have a laptop at their disposal. Laptops do not need to be brought to campus on a daily basis, but individual courses may require that a laptop be brought to class or lab sessions. For a list of minimum system requirements, see the Cockrell School of Engineering [website](#).

## Curriculum

Each student must complete the University's [Core Curriculum](#). In some cases, a course required for the Bachelor of Science in Environmental Engineering may also be counted toward the core curriculum; these courses are identified below. To ensure that courses used to fulfill the social and behavioral sciences and visual and performing arts requirements of the core curriculum also meet ABET criteria, students should follow the guidance given in ABET Criteria.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the US flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and one writing flag are carried by courses specifically required for the degree; these courses are identified below. Students are advised to fulfill the flag requirements with a course that meets other requirements of the degree. Courses that may be used to fulfill [flag requirements](#) are identified in the [Course Schedule](#).

Math, science and engineering electives are chosen from a list of approved courses maintained in the undergraduate office.

Requirements		Hours
<b>Environmental Engineering</b>		
EVE 103	First-Year Seminar	1
EVE 302	Foundations of Environmental Engineering	3
EVE 310	Sustainable Systems Engineering	3
EVE 312	Environmental Engineering and Science	3
Approved environmental engineering elective		15
Approved environmental engineering design elective		3
<b>Architectural Engineering</b>		
ARE 323K	Project Management and Economics	3
<b>Biology</b>		
BIO 311C	Introductory Biology I	3
<b>Chemistry</b>		
CH 301	Principles of Chemistry I (part I science and technology)	3
CH 302	Principles of Chemistry II (part I science and technology)	3
CH 204	Introduction to Chemical Practice	2
CH 328M	Organic Chemistry I	3
<b>Civil Engineering</b>		
C E 311K	Introduction to Computer Methods	3
C E 311S	Probability and Statistics for Civil Engineers	3
C E 319F	Elementary Mechanics of Fluids	3
C E 356	Elements of Hydraulic Engineering	3
<b>Engineering Mechanics</b>		
E M 306	Statics	3
<b>Geology</b>		
GEO 303	Introduction to Geology	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part II science and technology)	3
PHY 303L	Engineering Physics II	3
<b>Other Required Courses</b>		
E S 333T	Engineering Communication (writing flag; ethics flag)	3
M E 310T	Applied Thermodynamics	3
or M E 326	Thermodynamics	
or CH 353	Physical Chemistry I	
Approved mathematics or science elective		3
Approved engineering elective		6

### Remaining Core Curriculum Courses

RHE 306	Rhetoric and Writing	3
E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas Government <sup>2</sup>		6
American History <sup>2</sup>		6
Social and behavioral science <sup>3</sup>		3
Visual and performing arts <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	

1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

2. Some sections carry a cultural diversity flag.

3. Some sections carry a global cultures and/or cultural diversity flag.

4. In UGS 302 all sections carry a writing flag; in UGS 303 some sections carry a writing flag.

**Total Hours** **125**

## Technical Electives

Technical electives in environmental engineering are listed in four areas of specialization below. Six semester credit hours must be selected from one of the technical areas along with an approved environmental engineering design elective. Approved environmental engineering design electives are chosen from a list of approved courses maintained in the undergraduate office. The remaining environmental engineering electives can be taken from any area or combination of areas. Courses not listed can be approved by the undergraduate advisor.

### Area 1, Climate and Energy

Architectural Engineering 346N, *Building Environmental Systems*

Architectural Engineering 346P, *HVAC Design*

Architectural Engineering 370, *Design of Energy Efficient and Healthy Buildings*

Architectural Engineering 371, *Energy Simulation in Building Design*

Architectural Engineering 372, *Modeling of Air and Pollutant Flows in Buildings*

Architectural Engineering 377K, *Studies in Architectural Engineering*

Civil Engineering 369L, *Air Pollution Engineering*

Civil Engineering 369R, *Indoor Air Quality*

### Area 2, Sustainable Water Systems

Civil Engineering 342, *Water and Wastewater Treatment Engineering*

Civil Engineering 346, *Solid Waste Engineering and Management*

Environmental Engineering 350, *Environmental Chemistry for a Sustainable World*

### Area 3, Water Resources and the Environment

Civil Engineering 374K, *Hydrology*

Civil Engineering 357, *Geotechnical Engineering*

Civil Engineering 358, *Introductory Ocean Engineering*

Civil Engineering 374N, *Topics in Natural Water Systems Engineering*

Civil Engineering 374U, *Topics in Urban Water Systems Engineering*

### Area 4, Contaminant Fate and Transport

Chemical Engineering 319, *Transport Phenomena*

Civil Engineering 342, *Water and Wastewater Treatment Engineering*

Chemical Engineering 322, *Thermodynamics*

## Suggested Arrangement of Courses, Environmental Engineering (BSEnvE)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
EVE 103 (Major)	1	CH 302 (Core) <sup>030, QR</sup>	3	Study Abroad (Opportunity)	
BIO 311C (Core) <sup>030</sup>	3	CH 204 (Major)	2	Internship (Opportunity)	
CH 301 (Core) <sup>030, QR</sup>	3	M 408D (Major)	4		
M 408C (Core) <sup>020, QR</sup>	4	PHY 303K (Major)	3		
RHE 306 (Core) <sup>010</sup>	3	PHY 105M (Major)	1		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	EVE 302 (Major)	3		
			<b>17</b>	<b>16</b>	<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
E M 306 (Major)	3	CH 328M (Major)	3	Study Abroad (Opportunity)	
M 427J (Major) <sup>QR</sup>	4	C E 311K (Major)	3	Internship (Opportunity)	
PHY 303L (Core) <sup>030</sup>	3	C E 319F (Major)	3		
PHY 105N (Major)	1	E S 333T (Major) <sup>E, Wr</sup>	3		
EVE 310 (Major)	3	EVE 312 (Major)	3		
GOV 310L (Core) <sup>070</sup>	3				
			<b>17</b>	<b>15</b>	<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M E 310T, 326, or CH 353 (Major) <sup>QR</sup>	3	GEO 303 (Major)	3	Study Abroad (Opportunity)	
C E 311S (Major) <sup>QR</sup>	3	EVE course (Major)	3	Internship (Opportunity)	
C E 356 (Major)	3	EVE course (Major)	3		
EVE course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
GOV 312L (Core) <sup>070</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
			<b>15</b>	<b>15</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARE 323K (Major)	3	EVE design course (Major) <sup>II</sup>	3	(None)	
EVE course (Major)	3	Engineering elective (Major)	3		
EVE course (Major)	3	Engineering elective (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	U.S. History (Core) <sup>060</sup>	3		

Mathematics or Science elective (Major)	3 Visual and Performing Arts (Core) <sup>050</sup>	3	
	15	15	0

Total credit hours: 125

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Geosystems Engineering and Hydrogeology

Geosystems engineers and hydrogeologists are concerned with the development and use of engineering approaches in the management of natural resources from the earth's surface and subsurface, environmental restoration of subsurface sites, and other processes related to the earth sciences. This degree program, offered jointly by the Cockrell School of Engineering and the Jackson School of Geosciences, is designed to teach students the geological and engineering principles needed to solve subsurface resource development and environmental problems. The curriculum includes a fundamental sequence of engineering and geological sciences courses in such areas as multiphase fluid flow, physical hydrology, heat and mass transfer, field methods, and engineering design. This interdisciplinary systems approach, combining engineering and geological sciences, is increasingly required to address complex real-world problems such as characterization and remediation of aquifers. The degree program is designed to prepare graduates for employment with environmental, water resource management, and energy companies in addition to many government agencies. Better-qualified graduates of the program may pursue graduate study in subsurface environmental engineering, petroleum engineering, geology, and other related fields.

The objective of the degree program is to prepare graduates for successful careers in the fields of subsurface environmental engineering (including carbon dioxide sequestration), oil and gas production and services, or similar pursuits. Graduates are expected to understand the fundamental principles of science and engineering behind the technology of geosystems engineering and hydrogeology to keep their education from becoming outdated and to give them the capability of self-instruction after graduation. They should also be prepared to serve society by applying the ideals of ethical behavior, professionalism, and environmentally responsible stewardship of natural resources.

Containing the following elements, the technical curriculum provides both breadth and depth in a range of topics.

- A combination of college-level mathematics and basic sciences (some with experimental work) that includes mathematics through differential equations, physics, chemistry, and geology
- Basic engineering and geologic topics that develop a working knowledge of fluid mechanics, strength of materials, transport phenomena, material properties, phase behavior, and thermodynamics
- Engineering and geosciences topics that develop competence in characterization and evaluation of subsurface geological formations and their resources using geoscientific and engineering methods, including field methods; design and analysis of systems for producing, injecting, and handling fluids; application of hydrogeologic and reservoir engineering principles and practices for water and energy resource development and management; contamination evaluation and remediation methods for hydrologic resources; and use of project economics and resource valuation methods for design and decision making under conditions of risk and uncertainty
- A major capstone design experience that prepares students for engineering and hydrogeologic practice, based on the knowledge and skills acquired in earlier coursework and incorporating engineering and geological standards and realistic constraints

### ABET Student Outcomes:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

### Portable Computing Devices

Students entering Geosystems Engineering and Hydrogeology are required to have access to a portable computing device capable of running programs suitable for use in the classroom and on the university wireless network. The use of this device will be necessary in many required courses, and individual instructors may require the device be brought to class or lab sessions. For a list of minimum system requirements see <http://www.pge.utexas.edu/future/undergraduate/program>.

### Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course that fulfills one of the following requirements may also be

counted toward core curriculum or flag requirements; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one course with a quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the US flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and both writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Courses used to fulfill technical and nontechnical elective requirements must be approved by the petroleum and geosystems engineering faculty and the geological sciences faculty before the student registers for them.

Requirements	Hours
<b>Petroleum and Geosystems Engineering Courses</b>	
PGE 311	Numerical Methods and Programming 3
PGE 322K	Transport Phenomena in Geosystems 3
PGE 323K	Reservoir Engineering I: Primary Recovery 3
PGE 323L	Reservoir Engineering II: Secondary and Tertiary Recovery 3
PGE 326	Thermodynamics and Phase Behavior 3
PGE 333T	Engineering Communication (writing flag and ethics flag) 3
PGE 358	Principles of Formation Evaluation 3
PGE 365	Resource Economics and Valuation 3
PGE 373L	Geosystems Engineering Design and Analysis (independent inquiry flag) 3
PGE 424	Petrophysics 4
PGE 427	Properties of Petroleum Fluids (Properties of Petroleum Fluids) 4
<b>Chemistry</b>	
CH 301	Principles of Chemistry I (part II science and technology) 3
CH 302	Principles of Chemistry II 3
<b>Civil Engineering</b>	
C E 357	Geotechnical Engineering 3
<b>Engineering Mechanics</b>	
E M 306	Statics 3
E M 319	Mechanics of Solids 3
<b>Geological Sciences</b>	
GEO 303	Introduction to Geology 3
GEO 376L	Field Methods in Groundwater Hydrology 3
GEO 376S	Physical Hydrology 3
GEO 416K	Earth Materials 4
GEO 416M	Sedimentary Rocks 4
GEO 420K	Introduction to Field and Stratigraphic Methods 4
GEO 428	Structural Geology 4
GEO 476K	Groundwater Hydrology (writing flag) 4

<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4

<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3

<b>Other Required Courses</b>		
Approved engineering elective		3
Approved geosciences technical elective		3

<b>Rhetoric and Writing</b>		
RHE 306	Rhetoric and Writing (English composition)	3

<b>Remaining Core Curriculum Courses</b>		
E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American government <sup>2</sup>		6
American history <sup>2</sup>		6
Visual and performing arts <sup>3</sup>		3
Social and behavioral sciences <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	

1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

2. Some sections carry a cultural diversity flag.

3. Some sections carry a global cultures and/or cultural diversity flag.

4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.

**Total Hours** **132**

## Suggested Arrangement of Courses, Geosystems Engineering and Hydrogeology (BSGEH)

First Year		Hours	Second Term	Hours	Summer Term	Hours
First Term						
CH 301 (Major)		3	CH 302 (Major)		3 (None)	
GEO 303 (Major)		3	M 408D (Major)		4	

# Bachelor of Science in Mechanical Engineering

Mechanical engineering is one of the largest and broadest fields of technical study. Mechanical engineers are concerned with the engineering systems used to control and transform energy to meet the needs of humanity. In mechanical engineering, students develop an understanding of basic topics and fundamental principles upon which engineered systems are conceived and developed in a modern society. It is an excellent foundation for a rewarding career in engineering, as well as for further study in business, law, medicine, and other professions that require a solid foundation in science and technology, and the ability to solve problems.

The mechanical engineering department is dedicated to graduating mechanical engineers who practice mechanical engineering in the general stems of thermal/fluid systems, mechanical systems and design, and materials and manufacturing in industry and government settings; pursue advanced education, research and development, and other creative efforts in science and technology; conduct themselves in a responsible, professional, and ethical manner; and participate as leaders in activities that support service to and economic development of the region, state, and nation.

The mechanical engineering faculty has defined seven educational outcomes that students in the program are expected to achieve by the time of graduation. These outcomes are

- Ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- Ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- Ability to communicate effectively with a range of audiences
- Ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- Ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- Ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- Ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

The mechanical engineering curriculum meets these outcomes by providing breadth and depth across a range of topics.

- A combination of college-level mathematics and basic science courses (some with experimental work) that includes mathematics, probability and statistics, physics, and chemistry
- Engineering courses that develop a working knowledge of graphics and computer-aided design, engineering mechanics, thermodynamics, kinematics, dynamics and control of mechanical systems, computational methods, fluid mechanics, heat transfer, materials science and engineering, mechatronics, technical communication, and engineering economics
- Mechanical engineering project and laboratory experiences that develop competence in measurements and instrumentation, interpretation of data, reverse engineering analysis of mechanical

M 408C (Core) <sup>020</sup>	4	PHY 303K & PHY 105M (Core)	4		
RHE 306 (Core) <sup>010</sup>	3	PGE 333T (General Education)	3		
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	<b>16</b>		<b>17</b>		<b>0</b>
<b>Second Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
GEO 416K (Major)	4	E M 319 (Major)	3	(None)	
GEO 416M (Major)	4	PGE 311 (Major)	3		
E M 306 (Major)	3	PGE 427 (Major)	4		
M 427J (Major)	4	PGE 326 (Major)	3		
		PHY 303L & PHY 105N (General Education)	4		
	<b>15</b>		<b>17</b>		<b>0</b>
<b>Third Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
GEO 476K (Major)	4	C E 357 (Major)	3	GEO 376L (Major)	3
PGE 322K (Major)	3	GEO 420K (Major)	4		
PGE 323K (Major)	3	PGE 323L (Major)	3		
PGE 424 (Major)	4	PGE 358 (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	American and Texas Government (Core) <sup>070</sup>	3		
	<b>17</b>		<b>16</b>		<b>3</b>
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
GEO 428 (Major)	4	PGE 373L (Major)	3	(None)	
GEO 376S (Major)	3	Geoscience Technical Elective (Major)	3		
PGE 365 (Major)	3	American and Texas Government (Core) <sup>070</sup>	3		
Engineering Technical Elective (Major)	3	U.S. History (Core) <sup>060</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Visual and Performing Arts (Core) <sup>060</sup>	3		
	<b>16</b>		<b>15</b>		<b>0</b>
<b>Total credit hours: 132</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

**Course categories:** Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

systems, use of computational tools for engineering analysis, integration of multidisciplinary topics in design of complex systems, teamwork and project planning, and written and oral communication

- A sequence of engineering design courses, culminating in a major capstone design experience in collaboration with an industrial sponsor, that draws on the knowledge and skills students have acquired in earlier coursework and incorporates modern engineering standards and realistic constraints
- Core curriculum courses, including social and behavioral sciences, humanities, and visual and performing arts electives, that complement the technical content of the curriculum
- A broad range of senior elective options that provide a career gateway to further study and lifelong learning in the practice of engineering and other professions
- Many courses throughout the curriculum are structured to motivate the study of engineering science by challenging students with in-depth analysis of real mechanical components and systems. In these courses, students address real-world projects based on current industrial methods and practices to connect theory with practice.

## Portable Computing Devices

Students entering Mechanical Engineering are expected to have a laptop computer at their disposal. The use of laptop computers will be necessary in many required courses, and individual instructors may require that a laptop be brought to class or lab sessions. For a list of minimum system requirements see: <http://www.me.utexas.edu/laptopreq>.

## Curriculum

Course requirements include courses within the Cockrell School of Engineering, and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course required as part of the major may also be counted toward the core curriculum; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the University's flag requirements: one independent inquiry flag, one course with a quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the United States flag, and three writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and three writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Requirements	Hours
<b>Mechanical Engineering Courses</b>	
M E 130L Experimental Fluid Mechanics	1
M E 134L Materials Engineering Laboratory	1
M E 139L Experimental Heat Transfer	1
M E 140L Mechatronics Laboratory	1
M E 144L Dynamic Systems and Controls Laboratory	1
M E 266K Mechanical Engineering Design Project (independent inquiry flag and writing flag)	2
M E 266P Design Project Laboratory	2
M E 302 Introduction to Engineering Design and Graphics	3
M E 314D Dynamics	3
M E 316T Thermodynamics	3

M E 318M	Programming and Engineering Computational Methods	3
M E 330	Fluid Mechanics	3
M E 333T	Engineering Communication (writing flag and ethics flag)	3
M E 334	Materials Engineering	3
M E 335	Engineering Statistics	3
M E 338	Machine Elements	3
M E 339	Heat Transfer	3
M E 340	Mechatronics	3
M E 344	Dynamic Systems and Controls	3
M E 353	Engineering Finance	3
M E 366J	Mechanical Engineering Design Methodology (writing flag)	3

### Chemistry

CH 301	Principles of Chemistry I (part II science and technology)	3
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### Engineering Mechanics

E M 306	Statics	3
E M 319	Mechanics of Solids	3

### Mathematics

M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra	4
M 427L	Advanced Calculus for Applications II	4

### Physics

PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1

### Rhetoric and Writing

RHE 306	Rhetoric and Writing (English composition)	3
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### Other Required Courses

Approved career gateway electives	12
Approved natural science/mathematics elective	3

### Remaining Core Curriculum Requirements

E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Social and behavioral sciences <sup>3</sup>		3
Visual and performing arts <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3

1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.
2. Some sections carry a cultural diversity flag.
3. Some sections carry a global cultures and/or cultural diversity flag.
4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.

Total Hours

126

## Career Gateway Elective Options

The ME curriculum includes 12 credit hours of Career Gateway Electives (CGEs) which give students the flexibility to tailor their upper-division academic program to meet a variety of career goals, while ensuring that they graduate with a robust grounding in one or more selected technical or specialty areas. The CGEs are arranged into tracks, each of which has designated courses. Technical tracks are designed to provide more focus in a selected technical area than is provided in the core curriculum alone. Specialty tracks are designed for those students whose career interests extend beyond mechanical engineering. Detailed guidelines for choosing CGEs and for approval of CGE choices are published on the mechanical engineering website and may be subject to periodic change as needs arise. Exceptions can be considered on a case-by-case basis by petition to the undergraduate advisor.

## Minors and Transcript-Recognized Certificate Programs

Minors and transcript-recognized certificate programs offer interdisciplinary curricula that support and extend a student's major. Minors that may be of particular interest to mechanical engineering students include the minor in Materials Science and Engineering and certificates in Computational Science and Engineering, the National Academy of Engineering Grand Challenges Scholars Program, Humanitarian Engineering, Applied Statistical Modeling, and Pre-Health Professions. Additional information about minors and transcript recognized certificates is available [online](#) (p. 14).

## Integrated Bachelor of Science in Mechanical Engineering/Master of Science in Engineering Program

The integrated degree program results in simultaneously awarding a Bachelor of Science in Mechanical Engineering (BSME) and a Master of Science in Engineering (MSE) degree offered by the J. Mike Walker Department of Mechanical Engineering. The objective of the Integrated BSME/MSE Program is to enable prepared undergraduates in Mechanical Engineering to earn two degrees in a shortened time period. By applying for AP and Credit by Exam courses, having students take recommended summer courses, and allowing seniors to enroll in graduate-level engineering courses reserved for graduate credit, the program enables graduates to complete both degree requirements in five years.

**Admissions.** Current undergraduate mechanical engineering (ME) students may begin the application process to the Integrated BSME/MSE Program option in the second term of their third year. Admission includes the two steps outlined below. Undergraduate students not in the mechanical engineering major are not eligible to apply. It is expected that all students selected for the program in Step 1 and who have been successful in their first graduate-level coursework will be selected

for admission in Step 2. Successful completion will be evaluated and determined by the department's Domestic Graduate Admission Committee and the graduate advisor.

*Step 1.* Students complete the first step in the application for admission to the Integrated BSME/MSE Program in the second term of the third year. The Step 1 application is internal through the department and includes a resume, statement of purpose, and letter of recommendation. Qualified applicants will be selected based on the applicant's progress to degree completion, grade point average, and other qualifications included in the application materials. Selected students will be notified before the first term of the fourth year of their admission status for the integrated program, allowing them to meet with an academic advisor to plan graduate coursework in the first term of their fourth year.

*Step 2.* Students complete the second step in the application in the first term of their fourth year. The Step 2 application is formal through the Graduate and International Admission Center (GIAC). Admission to the integrated program will be based on a review of the applicant's undergraduate record and GPA, GRE scores, performance in graduate coursework, letters of recommendation, personal statement, TOEFL score (if required), and research experience.

If a student in their fourth year is taking graduate courses and would be on track to complete the integrated program but did not apply in their third year through Step 1, they may apply by completing Step 1 and Step 2 together. These students will be evaluated for admission on the same criteria.

**Degree Requirements.** In order for integrated program students to complete both the BSME and MSE degrees in five years, the department waives six semester credit hours (SCH) of technical area electives in lieu of six SCH of graduate engineering coursework reserved for graduate credit taken in the fourth year. This reduces the total BSME degree requirements for integrated program students from 126 to 120 SCH.

Students in the integrated program complete 12 SCH of graduate coursework in their fourth year and 18-24 SCH of graduate coursework in their fifth year to complete a total of 30-36 SCH of graduate coursework for the MSE degree as described in the Graduate Catalog. Students have the option of choosing the coursework, report, or thesis option for the MSE degree as described in the Graduate Catalog. The selected degree option determines the number of hours required to graduate with the MSE degree. Courses the student takes will be determined with the graduate advisor and academic advisor to ensure compliance with degree requirements and to meet the students' career goals.

Students unable to successfully complete the integrated program, or who wish to terminate pursuit of the MSE for any reason, may obtain a BSME degree by applying for a change of major back to the standalone BSME program and satisfying all of the requirements for the standalone degree. Six SCH of the graduate courses taken in the fourth year may count toward the 12 SCH of CGEs required to complete the entire 126 SCH requirements. An undergraduate student leaving the integrated program will be on a trajectory to graduate with the regular BSME degree in the same timeframe prior to admission to the integrated program.

Graduates of the integrated program will receive the BSME and MSE degrees simultaneously after successfully completing the 120 SCH for the BSME and 30-36 SCH for the MSE, a total of 150-156 SCH. Ideally students in this program will graduate with both degrees in a total of five years to completion.

**Advising.** Once admitted, students will be advised each semester by the graduate advisor and an academic advisor to complete coursework required for the BSME degree in their fourth year, and completion of the coursework required for the MSE degree in their fourth and fifth years.



Information regarding the integrated program requirements and policies may be obtained from the ME Academic Advising Office in ETC 2.146.

## Suggested Arrangement of Courses, Mechanical Engineering (BSME)

First Year			
First Term	Hours	Second Term	Hours
CH 301 (Major)		3 M 408D (General Education)	4
M 408C (General Education) <sup>020</sup>		4 PHY 303K (General Education)	3
M E 302 (Major)		3 PHY 105M (General Education)	1
RHE 306 (Core) <sup>010</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>	3
UGS 302 or 303 (Core) <sup>090</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>	3
		U.S. History (Core) <sup>060</sup>	3
	<b>16</b>		<b>17</b>
Second Year			
First Term	Hours	Second Term	Hours
E M 306 (Major)		3 E M 319 (Major)	3
M 427J (General Education)		4 M 427L (Major)	4
M E 316T (Major)		3 M E 318M (Major)	3
PHY 303L (General Education)		3 M E 314D (Major)	3
PHY 105N (General Education)		1 M E 333T (General Education)	3
American and Texas Government (Core) <sup>070</sup>		3	
	<b>17</b>		<b>16</b>
Third Year			
First Term	Hours	Second Term	Hours
M E 330 (Major)		3 M E 338 (Major)	3
M E 130L (Major)		1 M E 339 (Major)	3
M E 334 (Major)		3 M E 139L (Major)	1
M E 134L (Major)		1 M E 340 (Major)	3
M E 335 (Major)		3 M E 140L (Major)	1
Career Gateway Elective course (Major)		3 Career Gateway Elective course (Major)	3
	<b>14</b>		<b>14</b>
Fourth Year			
First Term	Hours	Second Term	Hours
M E 344 (Major)		3 M E 266K (Major)	2
M E 144L (Major)		1 M E 266P (Major)	2
M E 353 (Major)		3 Career Gateway Elective course (Major)	3
M E 366J (Major)		3 Approved Mathematics/Natural Science Elective course (Elective)	3
Career Gateway Elective course (Major)		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3
American and Texas Government (Core) <sup>070</sup>		3 U.S. History (Core) <sup>060</sup>	3
	<b>16</b>		<b>16</b>
<b>Total credit hours: 126</b>			

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Petroleum Engineering

Energy is a key component to people's everyday lives. Petroleum engineers are able to address and solve important technology challenges that will lead to energy security and societal prosperity, so the position is in high demand. This challenging and rewarding field of engineering requires creative application of a wide spectrum of knowledge, including, but not limited to mathematics, physics, geology, and chemistry.

Worldwide energy demand is growing, and experts agree that oil and gas will continue to play an important role in the world's energy supply. The decision making for complex projects falls to a great extent upon petroleum engineers, providing them with a high degree of responsibility. In addition, since hydrocarbon reserves are found in such diverse areas as Asia, South America, and Europe, petroleum engineers will have opportunities for exciting assignments all over the globe.

Petroleum engineers play a variety of roles within the energy business. They design and monitor the drilling of exploratory and development wells used to locate and produce the oil and gas from the subsurface. They work with technologies that can describe the characteristics of rocks deep beneath the surface and detect the type of fluids contained in those rocks. They install and maintain the equipment that lifts fluids from subsurface reservoirs to the surface, and they design surface collection and treatment facilities to prepare produced hydrocarbons for delivery to a refinery or pipeline. Hydraulic fracturing of shale gas and tight oil is the responsibility of a petroleum engineer, as is the development and implementation of enhanced oil recovery methods that capture stranded or bypassed hydrocarbons from old oilfields. In addition to these traditional petroleum engineering career choices, there are other emerging careers for petroleum engineering graduates in pollution clean up, underground waste disposal (including the subsurface injection of carbon dioxide to reduce atmospheric greenhouse gases), and hydrology.

The objective of the petroleum engineering program is to graduate practical, qualified engineers who can successfully pursue careers in the oil and gas production and services industries or similar areas. Graduates of the program are expected to understand the fundamental principles of science and engineering behind the technology of petroleum engineering to keep their education current and to give them the capability of self-instruction after graduation. They should be prepared to serve society by using the ideals of ethical behavior, professionalism, and environmentally responsible stewardship of natural resources.

The technical curriculum contains the following elements:

- A combination of college-level mathematics and basic sciences (some with experimental work) that includes mathematics through differential equations, probability and statistics, physics, chemistry, and geology
- Engineering topics that develop a working knowledge of fluid mechanics, strength of materials, transport phenomena, material properties, phase behavior, and thermodynamics
- Petroleum engineering topics that develop competence in (1) design and analysis of well systems and procedures for drilling and

completing wells; (2) characterization and evaluation of subsurface geological formations and their resources using geoscientific and engineering methods; (3) design and analysis of systems for producing, injecting, and handling fluids; (4) application of reservoir engineering principles and practices to optimize resource development and management; and (5) use of project economics and resource valuation methods for design and decision making under conditions of risk and uncertainty

- A major capstone design experience that prepares students for engineering practice, based on the knowledge and skills acquired in earlier coursework and incorporating engineering standards and realistic constraints

## ABET Student Outcomes:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

## Portable Computing Devices

Students entering Petroleum Engineering are required to have access to a portable computing device capable of running programs suitable for use in the classroom and on the university wireless network. The use of this device will be necessary in many required courses, and individual instructors may require the device be brought to class or lab sessions. For a list of minimum system requirements see: <http://www.pge.utexas.edu/future/undergraduate/program>.

## Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course that fulfills one of the following requirements may also be counted toward core curriculum or flag requirements; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one course with a quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the US flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and both writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill flag requirements (p. ) are identified in the [Course Schedule](#).

Courses used to fulfill technical and nontechnical elective requirements must be approved by the petroleum and geosystems engineering undergraduate advisor before the student enrolls in them.

Requirements		Hours
<b>Petroleum and Geosystems Engineering Courses</b>		
PGE 301	Engineering, Energy, and the Environment	3
PGE 311	Numerical Methods and Programming	3
PGE 427	Properties of Petroleum Fluids	4
PGE 322K	Transport Phenomena in Geosystems	3
PGE 326	Thermodynamics and Phase Behavior	3
PGE 333T	Engineering Communication (writing flag and ethics flag)	3
PGE 323K	Reservoir Engineering I: Primary Recovery	3
PGE 323L	Reservoir Engineering II: Secondary and Tertiary Recovery	3
PGE 334	Reservoir Geomechanics	3
PGE 338	Geostatistics and Data Analysis	3
PGE 358	Principles of Formation Evaluation	3
PGE 362	Production Technology and Design	3
PGE 365	Resource Economics and Valuation	3
PGE 373L	Geosystems Engineering Design and Analysis	3
PGE 424	Petrophysics	4
PGE 430	Drilling and Well Completions	4
<b>Chemistry</b>		
CH 301	Principles of Chemistry I (part II science and technology)	3
CH 302	Principles of Chemistry II	3
<b>Engineering Mechanics</b>		
E M 306	Statics	3
E M 319	Mechanics of Solids	3
<b>Geological Sciences</b>		
GEO 303	Introduction to Geology	3
GEO 316P	Sedimentary Rocks	3
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
<b>Physics</b>		
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1

PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
<b>Rhetoric and Writing</b>		
RHE 306	Rhetoric and Writing (English composition)	3
<b>Other Required Courses</b>		
Approved technical area electives		12
<b>Remaining Core Curriculum Courses</b>		
E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American and Texas government <sup>2</sup>		6
American history <sup>2</sup>		6
Visual and performing arts <sup>3</sup>		3
Social and behavioral sciences <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	

1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.

2. Some sections carry a cultural diversity flag.

3. Some sections carry a global cultures and/or cultural diversity flag.

4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.

**Total Hours** **128**

## Suggested Arrangement of Courses, Petroleum Engineering (BSPE)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 303 (Major)	3	PHY 303K (Core)	3	(None)	
CH 301 (Major)	3	PHY 105M (Core)	1		
M 408C (Core) <sup>020</sup>	4	M 408D (Major)	4		
RHE 306 (Core) <sup>010</sup>	3	PGE 301 (Major)	3		
UGS 302 or 303 (Core) <sup>090</sup>	3	CH 302 (Major)	3		
		Social and Behavioral Sciences (Core) <sup>080</sup>	3		
<b>16</b>		<b>17</b>		<b>0</b>	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 303L (Core)	3	GEO 316P (Major)	3	(None)	
PHY 105N (Core)	1	E M 319 (Major)	3		
E M 306 (Major)	3	PGE 333T (Major)	3		
M 427J (Major)	4	PGE 427 (Major)	4		
PGE 311 (Major)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
PGE 326 (Major)	3				
<b>17</b>		<b>16</b>		<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PGE 323K (Major)	3	PGE 323L (Major)	3	(None)	
PGE 424 (Major)	4	PGE 358 (Major)	3		
PGE 430 (Major)	4	PGE 362 (Major)	3		

PGE 322K (Major)	3	PGE 338 (Major)	3	
American and Texas Government (Core) <sup>070</sup>	3	U.S. History (Core) <sup>060</sup>	3	
<b>17</b>		<b>15</b>		<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PGE 334 (Major)	3	PGE 373L (Major)	3	(None)	
PGE 365 (Major)	3	Technical Area Elective course (Major)	3		
Technical Area Elective course (Major)	3	Technical Area Elective course (Major)	3		
Technical Area Elective course (Major)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
American and Texas Government (Core) <sup>070</sup>	3	U.S. History (Core) <sup>060</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	

**Total credit hours: 128**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minor and Certificate Programs](#) section of the *Undergraduate Catalog*.

### Materials Science and Engineering Minor

The transcript-recognized undergraduate academic minor in materials science and engineering must be completed in conjunction with an undergraduate degree at The University of Texas at Austin in one of the following majors: chemistry, physics, aerospace engineering, electrical and computer engineering, or mechanical engineering; students pursuing an integrated undergraduate/graduate program must complete the requirements for the minor within one year after completing the undergraduate requirements of their program. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minors and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*. Details about the minor in Materials Science and Engineering are available at <http://>

## Admissions

To be considered for admission into the Minor Program for Materials Science and Engineering, students must meet the following requirements:

- The minor must be completed in conjunction with an undergraduate degree in one of the five supported majors of chemistry, physics, aerospace engineering, electrical and computer engineering, or mechanical engineering.
- Students must have completed Mathematics 408C, Mathematics 408D, Mathematics 427J, Chemistry 301, Physics 303K and Physics 303L, or equivalent and all with a grade of C- or higher.
- Students who have completed 30 hours or more and have not taken more than 60 hours will be encouraged to apply online at the earliest possible date. Applications will be reviewed continuously throughout the year.

## Requirements

The requirements for the minor in Materials Science and Engineering will consist of 15 credit hours towards the minor. All students will be required to take a three-credit hour, laboratory-based bridge course (MSE 360M). The remainder of the required courses required for the minor will consist of a sequence of courses that are specific to the major degree and which are detailed below.

If students are interested in additional coursework, they can see <http://tmi.utexas.edu/academics/undergraduate-minor-materials-science-engineering/> for a complete list of courses that would serve as optional electives. Courses beyond 15 hours are not required for the completion of the minor.

### Chemistry Majors

Requirements	Hours
MSE 360M	Experiments in Materials Science and Engineering 3
CH 353	Physical Chemistry I 3
PHY 355	Modern Physics and Thermodynamics 3
CHE 355	Introduction to Polymers 3
M E 349	Corrosion Engineering 3

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Physics Majors

Requirements	Hours
MSE 360M	Experiments in Materials Science and Engineering 3
PHY 369	Thermodynamics and Statistical Mechanics 3
CH 367C or CH 367L or M E 336	Materials Chemistry Macromolecular Chemistry Materials Processing 3
CH 354S	Elements of Spectroscopy 3
ECE 334K	Quantum Theory of Electronic Materials 3

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Aerospace Engineering Majors

Requirements	Hours
MSE 360M	Experiments in Materials Science and Engineering 3
M E 310T	Applied Thermodynamics 3
ASE 357	Mechanics of Composite Materials 3
ASE 324L	Aerospace Materials Laboratory 3
M E 349 or M E 336	Corrosion Engineering Materials Processing 3

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Electrical and Computer Engineering Majors

Requirements	Hours
MSE 360M	Experiments in Materials Science and Engineering 3
PHY 369	Thermodynamics and Statistical Mechanics 3
ECE 325	Electromagnetic Engineering 3
CH 354S or CH 367C	Elements of Spectroscopy Materials Chemistry 3
ECE 334K	Quantum Theory of Electronic Materials 3

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

### Mechanical Engineering Majors

Requirements	Hours
MSE 360M	Experiments in Materials Science and Engineering 3
M E 316T	Thermodynamics 3
PHY 355 or PHY 375S or PHY 369 or CH 353	Modern Physics and Thermodynamics Introductory Solid-State Physics Thermodynamics and Statistical Mechanics Physical Chemistry I 3
M E 378K	Mechanical Behavior of Materials 3
M E 349 or ASE 357	Corrosion Engineering Mechanics of Composite Materials 3

All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.

## Sustainable Energy Minor

The Sustainable Energy minor is restricted to the following majors: chemistry, BS in environmental science, BS in geological sciences, architectural engineering, chemical engineering, civil engineering, electrical and computer engineering, environmental engineering, geosystems engineering and hydrogeology, mechanical engineering, or petroleum engineering.

Students pursuing an integrated undergraduate/graduate program must complete the requirements for the minor within one year after

completing the undergraduate requirements of their program. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the Minors and Certificate Programs section of the Undergraduate Catalog. Details about the minor in Sustainable Energy are available at <https://www.pge.utexas.edu/undergraduate/undergraduate-minor-sustainable-energy/>.

## Admissions

To be considered for admission into the Minor Program for Sustainable Energy, students must meet the following requirements:

- The minor is restricted to the following majors: chemistry, BS in environmental science, BS in geological sciences, architectural engineering, chemical engineering, civil engineering, electrical and computer engineering, environmental engineering, geosystems engineering and hydrogeology, mechanical engineering, or petroleum engineering.
- Students must have completed Mathematics 408C, 408D, 427J, Chemistry 301, Physics 303K, and 303L, or equivalent with a grade of C- or higher.
- Students who have completed 30 to 60 hours will be encouraged to apply online at the earliest possible date. Application deadlines are March 1 for summer or fall and October 1 for spring.

## Requirements

The Sustainable Energy minor requires a total of 18 credit hours towards the minor. The following nine hours are required for all students: Engineering Studies 369N, Mechanical Engineering 363M, and Geological Sciences 302C. The remaining nine credit hours consist of six credit hours from students' home departments and three credit hours from outside. These courses must be selected from the list of approved courses below.

If students are interested in additional coursework, they can select additional electives from this list. Courses beyond 18 credit hours are not required for the completion of the minor.

## Required Courses for All Majors

Requirements	Hours
E S 369N Sustainability Issues in Energy	3
M E 363M Energy Technology and Policy	3
GEO 302C Climate: Past, Present, and Future	3

All classes must be taken on the letter-grade basis. The student must earn a combined grade points average of at least 2.00 in these courses.

## Approved Courses for Remaining Nine Credit Hours for All Majors

Requirements	Hours
ARE 346N Building Environmental Systems	3
ARE 371 Energy Simulation in Building Design	3
CH 353 Physical Chemistry I	3
CH 367C Materials Chemistry	3
C E 341 Introduction to Environmental Engineering	3
C E 367R Optimization Techniques for Transportation Engineers	3
C E 369L Air Pollution Engineering	3
C E 370L Climate Change Mitigation	3
CHE 341 Design for Environment	3

CHE 346F Atmospheric Chemistry and Physics	3
ECE 339S Solar Energy Conversion Devices	3
ECE 362G Smart Grids	3
ECE 369 Power Systems Engineering	3
ECE 462L Power Electronics Laboratory	4
EVE 310 Sustainable Systems Engineering	3
EVE 312 Environmental Engineering and Science	3
GEO 330K Energy Exploration	3
GEO 341 Mineral Resources, Society, and the Environment	3
GEO 347D Global Warming	3
M E 374T Renewable Energy Technology	3
M E 378E Nanotechnology for Sustainable Energy	3
PGE 379 Studies in Petroleum and Geosystems Engineering (Topic 3: Geothermal and Sustainable Energy Resources)	3
PGE 379 Studies in Petroleum and Geosystems Engineering (Topic 4: Carbon Capture and Storage)	3

All classes must be taken on the letter-grade basis. The student must earn a combined grade points average of at least 2.00 in the courses selected for their program of study.

## Certificates

### National Academy of Engineering Grand Challenges Scholars Program Certificate

The National Academy of Engineering Grand Challenges Scholars Program (GCSP) certificate is designed to be complementary, not additive, to a student's traditional academic path. The GCSP certificate provides students with the scholarship network and formal recognition from the National Academy of Engineering, while typically requiring only one course beyond their standard degree program.

The GCSP certificate program is designed to offer students from all majors and all years an introduction to the program through Engineering Studies 377, an array of university-wide course connections, and mentorship. GC Scholars choose between 18 and 24 hours of approved coursework from a broad range of offerings that align with the five key program components. The five key curriculum components include facing the 21st Century Engineering Grand Challenges with (1) entrepreneurship and (2) service-learning by (3) understanding global dimensions through (4) research and (5) interdisciplinary curriculum. Each Scholar must choose at least one class that emphasizes each one of the components. Scholars will be advised on progress regularly by faculty affiliated with the program, and will present their work at an annual GCSP colloquium.

The certificate requirements are:

Requirements	Hours
E S 377 Topics in Engineering (Topic 2: 21st Century Grand Challenges)	3
At least 18 hours of approved courses from GC Scholar Coursework Program Plan	18
Be a student of good standing	

Complete courses, a research project, a community project, a comprehensive reflective report, and a final design, which are evaluated with aligned rubrics.

## Computational Science and Engineering Certificate

The Cockrell School sponsors the transcript-recognized Certificate in Computational Science and Engineering along with the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences.

The foundations of science and engineering are under rapid, dramatic, and irreversible change brought on by the advent of the computer. Steady growth in computer capabilities, and enormous expansion in the scope and sophistication of computational modeling and simulation, have added computation as the third pillar of scientific discovery and have revolutionized engineering practice. Computational science and engineering can affect virtually every aspect of human existence, including the health, security, productivity, and competitiveness of nations.

The Computational Science and Engineering Certificate program is sponsored by the Cockrell School of Engineering, the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences; it is administered by the Oden Institute for Computational Engineering and Sciences. The program offers highly qualified upper-division students an opportunity for in-depth study and research in computational science and engineering, including computational and applied mathematics, numerical simulation, scientific computation, and visualization. A student who completes the general requirements listed on [Transcript-Recognized Programs](#) and the specific requirements below receives recognition on his or her University transcript and a letter from the director of the Oden Institute that describes the program and the work completed. Along with supporting letters from supervising faculty and graduate mentors, these are valuable assets for students applying to graduate school and pursuing competitive job opportunities.

To apply for admission, students must have completed 60 semester hours of coursework, must have a grade point average of at least 3.00, and must have taken coursework in calculus.

Students must complete 18 semester hours of approved coursework with a grade of at least C- in each course. A student's overall GPA in certificate courses must be 3.00 or greater.

Requirements	Hours
Students must take at least one course in each of the following areas:	18
Upper Division Mathematics	
Basic Programming	
Numerical Applications	
Advanced Computing	
Electives	
Scientific Computing Project <sup>1</sup>	
—	

1. To be supervised by a member of the computational science, engineering, and mathematics (CSEM) graduate program faculty. The research project is completed in a three-semester-hour research methods or individual instruction course, which the student should take during the senior year. The research project may include mentoring by Oden Institute postdoctoral fellows and CSEM graduate students as part of a vertical instructional research team.

With the approval of the certificate program's faculty advisor, course substitutions may be made within the broad area of computational science and engineering.

Some courses on the approved course list may be restricted by the department offering the course. Please note that the CSE Certificate Program cannot ask the department to waive prerequisites or force the department to lift restrictions on their courses.

A list of approved courses is available at <https://www.odin.utexas.edu/programs/cse-certificate/> and in the Oden Institute for Computational Engineering and Sciences, POB 4.110

## Humanitarian Engineering Certificate

The undergraduate Humanitarian Engineering Certificate provides students with the opportunity to develop expertise in designing and/or implementing projects or products for traditionally underserved populations, e.g., the physically or mentally challenged, low-income or rural communities, or communities experiencing humanitarian crises. The participants will develop not only technical knowledge but also awareness of social, political, and/or economic circumstances that may be important to the development of engineering solutions for underserved populations.

The certificate consists of 18 hours. Students must receive a grade of at least a C- in each course applied toward the certificate and have a cumulative grade point average of at least 3.0 in the courses presented to fulfill the certificate. The certificate program will be managed by the Committee for the Humanitarian Engineering Certificate in the J. Mike Walker Department of Mechanical Engineering. Students may apply for participation in the program at any time during their enrollment at The University of Texas at Austin, but it is recommended that they apply prior to starting the requirements. Students must contact the Committee for the Humanitarian Engineering Certificate in the J. Mike Walker Department of Mechanical Engineering to apply for the certificate in the semester in which they are completing the requirements and graduating.

The course requirements for the certificate are:

Requirements	Hours	
Three hours from the following:	3	
UGS 302	First-Year Signature Course <sup>1</sup>	
UGS 303	First-Year Signature Course <sup>1</sup>	
ANT 302	Cultural Anthropology	
CTI 302	Classics of Social and Political Thought	
GRG 305	This Human World: An Introduction to Geography	
PHY 303L & PHY 103N	Engineering Physics II and Laboratory for Physics 303L	4
Humanitarian engineering project chosen from the following:	4	
E S 277K & E S 277L	Project Development with Underserved Communities and Project Design with Underserved Communities	

E S 225C & E S 225D	Humanitarian Product Design and Humanitarian Product Prototyping	
Approved project design course such as M E 466K <sup>2</sup>		
Approved independent study research project <sup>2</sup>		
M E 120C	Humanitarian Engineering Seminar	1
Three hours from the following: 3		
GRG 344K	Global Food, Farming, and Hunger	
SOC 369K	Population and Society	
GRG 336	Contemporary Cultural Geography	
GRG 350K	Geographies of Globalization	
GRG 357	Medical Geography	
SOC 321G	Global Health Issues and Health Systems	
CTI 323	Might and Right among Nations	
PHL 325D	Environmental Ethics and Philosophy	
PHL 325M	Medicine, Ethics, and Society	
ANS 361	Topics in Asian Studies (Topic 31: Global Markets and Local Cultures)	
HIS 366N	Topics in History (Topic 18: Global History of Disease)	
ADV 324	Communicating Sustainability	
CMS 340K	Communication and Social Change	
Three hours from the following: <sup>3</sup> 3		
ARE 323K	Project Management and Economics	
ARE 346N	Building Environmental Systems	
BME 339	Biochemical Engineering	
BME 342	Biomechanics of Human Movement	
BME 344	Biomechanics	
BME 352	Engineering Biomaterials	
BME 358	Medical Decision Making	
C E 341	Introduction to Environmental Engineering	
C E 342	Water and Wastewater Treatment Engineering	
C E 364	Design of Wastewater and Water Treatment Facilities	
C E 369R	Indoor Air Quality	
C E 374K	Hydrology	
CHE 339	Introduction to Biochemical Engineering	
CHE 339T	Cell and Tissue Engineering	
CHE 341	Design for Environment	
CHE 342	Chemical Engineering Economics and Business Analysis	
CHE 357	Technology and Its Impact on the Environment	
ECE 339S	Solar Energy Conversion Devices	
ECE 362R	Renewable Energy and Power Systems	
ECE 362S	Development of a Solar-Powered Vehicle	
ECE 374K	Biomedical Electronic Instrument Design	
ECE 374L	Applications of Biomedical Engineering	

M E 337F	Nuclear Environmental Protection
M E 350D	Design and Control of Robots for Rehabilitation
M E 354M	Biomechanics of Human Movement
M E 374S	Solar Energy Systems Design
M E 362S	Development of a Solar-Powered Vehicle
M E 363M	Energy Technology and Policy
M E 374T	Renewable Energy Technology
M E 371D	Medical Device Design and Manufacturing
M E 378E	Nanotechnology for Sustainable Energy

1. For an approved list of courses, please see your advisor.
2. Approval for these options must be obtained in advance from the Committee for the Humanitarian Engineering Certificate.
3. Additional courses may be substituted for those listed upon approval by the advisor for Humanitarian Engineering.

## Courses, Cockrell School of Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the school level: [Engineering Studies \(E S\)](#) and [General Engineering \(G E\)](#).

For courses offered by each department within the Cockrell School of Engineering, please see the corresponding department page in the following sections.

## Courses, Department of Aerospace Engineering and Engineering Mechanics

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Aerospace Engineering and Engineering Mechanics: [Aerospace Engineering \(ASE\)](#), [Computational Engineering \(COE\)](#), and [Engineering Mechanics \(E M\)](#).

## Courses, Department of Biomedical Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Biomedical Engineering: [Biomedical Engineering \(BME\)](#).

## Courses, John J. McKetta Jr. Department of Chemical Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the John J. McKetta Jr. Department of Chemical Engineering: [Chemical Engineering \(CHE\)](#).

## Courses, Department of Civil, Architectural, and Environmental Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Civil, Architectural, and Environmental Engineering: [Architectural Engineering \(ARE\)](#), [Civil Engineering \(C E\)](#), and [Environmental Engineering \(EVE\)](#).

## Courses, Department of Electrical and Computer Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Electrical and Computer Engineering: [Electrical and Computer Engineering \(ECE\)](#).

## Courses, J. Mike Walker Department of Mechanical Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the J. Mike Walker Department of Mechanical Engineering: [Mechanical Engineering \(M E\)](#) and [Operations Research and Industrial Engineering \(ORI\)](#).

## Courses, Hildebrand Department of Petroleum and Geosystems Engineering

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Hildebrand Department of Petroleum and Geosystems Engineering: [Petroleum and Geosystems Engineering \(PGE\)](#).

## Cockrell School of Engineering Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Niveen Abi ghannam, Lecturer  
Department of Electrical and Computer Engineering  
PhD, University of Texas at Austin, 2015

Jacob A Abraham, Professor  
Cockrell Family Regents Chair in Engineering #8  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 1974

Maruthi R Akella, Professor  
Ashley H. Priddy Centennial Professorship in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Texas A & M University, 1998

Deji Akinwande, Professor  
Temple Foundation Endowed Professorship No. 1  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2010

Farshid Alambeigi, Assistant Professor

Department of Mechanical Engineering  
MSE, Johns Hopkins University, 2017

David T Allen, Professor  
Melvin H. Gertz Regents Chair in Chemical Engineering  
Department of Chemical Engineering  
PhD, California Institute of Technology, 1983

William J Allen, Lecturer  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Virginia Polytechnic Institute and State University, 2011

Hal S Alper, Professor  
Les and Sherri Stuewer Endowed Professorship in Chemical Engineering  
Department of Chemical Engineering  
PhD, Massachusetts Institute of Technology, 2006

Andrea Alu, Adjunct Professor  
Department of Electrical and Computer Engineering  
PhD, Universita degli Studi Roma Tre, 2007

Narayana R Aluru, Professor  
Ernest Cockrell, Sr. Chair in Engineering #1  
Department of Mechanical Engineering  
PhD, Stanford University, 1995

Catherine G Ambrose, Adjoint Associate Professor  
Department of Biomedical Engineering  
PhD, University of Texas at Austin, 1992

Jeffrey G Andrews, Professor  
Cockrell Family Chair in Engineering #17  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2002

Joshua Apte, Adjunct Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 2013

Mahnoush Babaei, Lecturer  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Carnegie Mellon University, 2019

Vaibhav Bahadur, Associate Professor  
Department of Mechanical Engineering  
PhD, Purdue University Main Campus, 2008

Aaron Blair Baker, Professor  
W.A. (Bill) Cunningham Professorship in Engineering  
Department of Biomedical Engineering  
PhD, Harvard University, 2006

Efstathios Bakolas, Associate Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Georgia Institute of Technology, 2011

Michael Baldea, Associate Professor  
Department of Chemical Engineering  
PhD, University of Minnesota-Twin Cities, 2006

Matthew Thomas Balhoff, Professor  
Bank of America Centennial Professorship in Petroleum Engineering  
Department of Petroleum and Geosystems Engineering  
PhD, Louisiana State University and Agricultural and Mechanical College, 2005

Sanjay K Banerjee, Professor  
Cockrell Family Regents Chair in Engineering #4  
Department of Electrical and Computer Engineering



PhD, University of Illinois at Urbana-Champaign, 1983

Seth Robert Bank, Professor  
Cullen Trust for Higher Education Endowed Professorship in Engineering #6  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2006

Suzanne Barber, Professor  
AT&T Foundation Endowed Professorship in Engineering  
Department of Electrical and Computer Engineering and School of Information  
PhD, University of Texas at Arlington, 1992

Jonathan F Bard, Professor  
Department of Mechanical Engineering  
DSc, George Washington University, 1979

Sandy Barker, Associate Professor of Practice  
Department of Aerospace Engineering and Engineering Mechanics  
BS, University of Texas at Austin, 1994

Ronald E Barr, Professor  
Department of Mechanical Engineering  
PhD, Marquette University, 1975

Michael E Barrett, Research Professor  
Center for Water and the Environment  
PhD, University of Texas at Austin, 1996

Matthew David Bartos, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
MSE, University of Michigan-Ann Arbor, 2019

Oguzhan Bayrak, Professor  
Phil M. Ferguson Professorship in Civil Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Toronto, 1999

Joseph J Beaman Jr, Professor  
Earnest F. Gloyne Regents Chair in Engineering  
Department of Mechanical Engineering  
ScD, Massachusetts Institute of Technology, 1979

Brian Belardi, Assistant Professor  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 2014

Mikhail A Belkin, Adjunct Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 2004

Adela Ben-Yakar, Professor  
Harry L. Kent, Jr. Professorship in Mechanical Engineering  
Department of Mechanical Engineering and Department of Biomedical Engineering  
PhD, Stanford University, 2001

Jeffrey K Bennighof, Research Professor  
Center for Aeromechanics Research and Department of Aerospace Engineering and Engineering Mechanics  
PhD, Virginia Polytechnic Institute and State University, 1986

Srinivas V Bettadpur, Professor  
Department of Aerospace Engineering and Engineering Mechanics, Applied Research Laboratories, and Department of Geological Sciences  
PhD, University of Texas at Austin, 1993

Amit Bhasin, Professor

The Joe King Professorship  
Department of Civil, Architectural, and Environmental Engineering  
DPhil, Texas A & M University, 2006

Chandra R Bhat, Professor  
Joe J. King Chair of Engineering  
Department of Civil, Architectural, and Environmental Engineering and Department of Economics  
PhD, Northwestern University, 1991

J Eric Bickel, Professor  
Engineering Foundation Endowed Professorship No. 1  
Department of Mechanical Engineering, Department of Petroleum and Geosystems Engineering, and Department of Information, Risk, and Operations Management  
PhD, Stanford University, 1999

George Biros, Professor  
W. A. "Tex" Moncrief, Jr. Endowment in Simulation-Based Engineering and Sciences - Endowed Chair No. 2  
Department of Mechanical Engineering, Institute for Computational Engineering and Science, and Department of Computer Science  
PhD, Carnegie Mellon University, 2000

Fabrizio Bisetti, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of California-Berkeley, 2007

David G Bogard, Professor  
Baker Hughes Incorporated Centennial Professorship  
Department of Mechanical Engineering  
PhD, Purdue University Main Campus, 1982

Raghu Bollapragada, Assistant Professor  
Department of Mechanical Engineering  
MS, Northwestern University, 2015

Paul M Bommer, Distinguished Senior Lecturer  
Department of Petroleum and Geosystems Engineering  
PhD, University of Texas at Austin, 1979

Roger T Bonnacaze, Professor  
Cockrell Family Dean's Chair in Engineering Excellence, Jack and Beverly Randall Dean's Chair for Excellence in Engineering, George T. and Gladys H. Abell Endowed Chair of Engineering  
Department of Chemical Engineering and Office of the Executive Vice President and Provost  
PhD, California Institute of Technology, 1991

John D Borcharding, Adjunct Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Stanford University, 1972

Maura Borrego, Professor  
Department of Mechanical Engineering and Department of Curriculum and Instruction  
PhD, Stanford University, 2003

David L Bourell, Professor  
Temple Foundation Endowed Professorship No. 2  
Department of Mechanical Engineering  
PhD, Stanford University, 1979

Alan C Bovik, Professor  
Cockrell Family Regents Chair in Engineering #3  
Department of Electrical and Computer Engineering  
PhD, University of Illinois at Urbana-Champaign, 1984

Stephen Boyles, Associate Professor

Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 2009

Joan F Brennecke, Professor  
Cockrell Family Chair in Engineering #16  
Department of Chemical Engineering  
PhD, University of Illinois at Urbana-Champaign, 1989

Amy Brock, Associate Professor  
Department of Biomedical Engineering  
PhD, Harvard University, 2004

Gregory L Brooks, Professor of Practice  
Department of Civil, Architectural, and Environmental Engineering  
MArch, University of Texas at Austin, 1996

Tan Thanh Bui, Associate Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Massachusetts Institute of Technology, 2007

Adam Bush, Assistant Professor  
Department of Biomedical Engineering  
PhD, University of Southern California, 2017

Carlos H Caldas, Professor  
Gerard A. Rohlich Regents Professorship in Civil Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Illinois at Urbana-Champaign, 2003

Constantine Caramanis, Professor  
Chandra Family Endowed Distinguished Professorship in Electrical and  
Computer Engineering #1  
Department of Electrical and Computer Engineering  
PhD, Massachusetts Institute of Technology, 2006

Sergio Castellanos, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Massachusetts Institute of Technology, 2015

Edward Castillo, Associate Professor  
Department of Biomedical Engineering  
PhD, Rice University, 2008

Chih-Hao Chang, Associate Professor  
Department of Mechanical Engineering  
PhD, Massachusetts Institute of Technology, 2008

William S Charlton, Professor  
John J. McKetta Energy Professorship in Engineering  
Nuclear Engineering Teaching Laboratory, Department of Mechanical  
Engineering, and Applied Research Laboratories  
PhD, Texas A & M University, 1999

James R Chelikowsky, Professor  
W. A. "Tex" Moncrief, Jr. Chair in Computational Materials  
Department of Chemical Engineering, Department of Physics, and  
Department of Chemistry  
PhD, University of California-Berkeley, 1975

Dongmei Chen, Professor  
Department of Mechanical Engineering  
PhD, University of Michigan-Ann Arbor, 2006

Jingyi Chen, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics and  
Department of Geological Sciences  
PhD, Stanford University, 2014

Ray T Chen, Professor

Keys and Joan Curry/Cullen Trust Endowed Chair  
Department of Electrical and Computer Engineering  
PhD, University of California-Irvine, 1991

Sandeep Chinchali, Assistant Professor  
Department of Electrical and Computer Engineering  
BS, California Institute of Technology, 2012

Shwetadwip Chowdhury, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, Duke University, 2016

John-Paul Clarke, Professor  
Ernest Cockrell, Jr., Memorial Chair in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
ScD, Massachusetts Institute of Technology, 1997

Kevin Clarno, Associate Professor  
Department of Mechanical Engineering  
PhD, Texas A & M University, 2004

Christian Claudel, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 2010

Patricia Clayton, Adjunct Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
MSCE, University of Washington - Seattle, 2010

Noel T Clemens, Professor  
Clare Cockrell Williams Centennial Chair in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Stanford University, 1991

John Cline, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2012

Thomas J Connolly, Lecturer  
Department of Aerospace Engineering and Engineering Mechanics and  
Department of Mechanical Engineering  
Department of Aerospace Engineering and Engineering Mechanics and  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2000

Lydia Maria Contreras, Associate Professor  
Department of Chemical Engineering and John L Warfield Center for  
African and African American Studies  
PhD, Cornell University, 2008

Elizabeth Cosgriff-Hernandez, Professor  
Cullen Trust for Higher Education Endowed Professorship in Engineering  
#2  
Department of Biomedical Engineering  
PhD, Case Western Reserve University, 2005

Brady R Cox, Adjunct Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 2006

Richard H Crawford, Professor  
Department of Mechanical Engineering  
PhD, Purdue University Main Campus, 1989

Alfonso Cuevas, Associate Professor of Instruction  
Department of Electrical and Computer Engineering  
PhD, University of Texas at Austin, 1990

Michael Arthur Cullinan, Associate Professor

Department of Mechanical Engineering  
PhD, Massachusetts Institute of Technology, 2011

Hugh C Daigle, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, Rice University, 2011

David T Dalle Molle, Associate Professor of Practice  
Department of Chemical Engineering  
PhD, University of Texas at Austin, 1989

Clinton N Dawson, Professor  
John J. McKetta Centennial Energy Chair in Engineering, Cockrell Family  
Chair for Departmental Leadership #2  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Rice University, 1988

Gustavo A De Veciana, Professor  
Cockrell Family Chair in Engineering #18  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 1993

Neil E Deeds, Lecturer  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 1999

Mojdeh Delshad, Research Professor  
Center for Subsurface Energy and the Env and Department of Petroleum  
and Geosystems Engineering  
PhD, University of Texas at Austin, 1986

Leszek F Demkowicz, Professor  
W. A. "Tex" Moncrief, Jr. Chair in Computational Engineering and  
Sciences II  
Department of Aerospace Engineering and Engineering Mechanics,  
Department of Mathematics, and Institute for Computational Engineering  
and Science  
PhD, Cracow Univ of Technology, 1982

Ashish Deshpande, Associate Professor  
Department of Mechanical Engineering  
PhD, University of Michigan-Ann Arbor, 2007

Mazen Diab, Lecturer  
Department of Biomedical Engineering  
PhD, City University of New York The City College, 2011

David DiCarlo, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, Cornell University, 1994

Kenneth R Diller, Professor  
Robert M. and Prudie Leibrock Endowed Professorship in Engineering  
Department of Biomedical Engineering  
ScD, Massachusetts Institute of Technology, 1972

Georgios-Alex Dimakis, Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 2008

Dragan Djurdjanovic, Professor  
Accenture Endowed Professorship in Manufacturing Systems  
Engineering  
Department of Mechanical Engineering  
PhD, University of Michigan-Ann Arbor, 2002

Ananth Dodabalapur, Professor  
Motorola Regents Chair in Electrical and Computer Engineering #1  
Department of Electrical and Computer Engineering

PhD, University of Texas at Austin, 1990

Berkin Dortdivanlioglu, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Stanford University, 2020

Andrew K Dunn, Professor  
Edward S. Hyman Endowed Chair in Engineering  
Department of Biomedical Engineering and Department of Diagnostic  
Medicine  
PhD, University of Texas at Austin, 1997

Thomas A Edison, Senior Lecturer  
Department of Chemical Engineering  
PhD, University of Maryland College Park, 1998

John G Ekerdt, Professor  
Norbert Dittrich-Welch Chair in Chemical Engineering  
Cockrell School of Engineering and Department of Chemical Engineering  
PhD, University of California-Berkeley, 1979

Chadi Said El Mohtar, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Purdue University Main Campus, 2008

Robert B Eldridge, Distinguished Senior Lecturer  
Department of Chemical Engineering  
PhD, University of Texas at Austin, 1986

Janet L Ellzey, Professor  
Department of Mechanical Engineering  
PhD, University of California-Berkeley, 1985

Stanislav Emelianov, Adjunct Professor  
Department of Biomedical Engineering  
PhD, University of Moscow, 1992

Michael D Engelhardt, Professor  
Adnan Abou-Ayyash Centennial Professorship in Transportation  
Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 1989

Mattan Erez, Professor  
Cullen Trust for Higher Education Endowed Professorship in Engineering  
#7  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2007

David N Espinoza, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, Georgia Institute of Technology, 2011

Brian L Evans, Professor  
Engineering Foundation Professorship  
Department of Electrical and Computer Engineering  
PhD, Georgia Institute of Technology, 1993

Scott Evans, Assistant Professor of Practice  
School of Design and Creative Technologies and Department of  
Mechanical Engineering  
PhD, University of Texas at Austin, 2005

Ofodike A Ezekoye, Professor  
John T. MacGuire Professorship in Mechanical Engineering  
Department of Mechanical Engineering, Applied Research Laboratories,  
and Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 1991

William F Fagelson, Assistant Professor of Instruction  
Department of Electrical and Computer Engineering  
PhD, University of Texas at Austin, 2004

Eric P Fahrenthold, Professor  
Department of Mechanical Engineering  
PhD, Rice University, 1984

Donglei Fan, Associate Professor  
Department of Mechanical Engineering  
PhD, Johns Hopkins University, 2007

Kasey M Faust, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Purdue University Main Campus, 2015

Anca-Cristina Ferche, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Toronto, 2020

Paulo J Ferreira, Adjunct Professor  
Department of Mechanical Engineering  
PhD, University of Illinois at Urbana-Champaign, 1996

Raissa Patricia Ferron, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Northwestern University, 2008

Nicholas P Fey, Assistant Professor  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2011

Mark M Flynn, Assistant Professor of Instruction  
Department of Electrical and Computer Engineering  
PhD, University of Texas at Austin, 2003

Kevin J Folliard, Professor  
Warren S. Bellows Centennial Professorship in Civil Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 1995

John Timothy Foster, Associate Professor  
Department of Petroleum and Geosystems Engineering and Department  
of Aerospace Engineering and Engineering Mechanics  
PhD, Purdue University Main Campus, 2009

Wallace T Fowler, Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of Texas at Austin, 1965

Benny D Freeman, Professor  
William J. (Bill) Murray, Jr. Endowed Chair of Engineering  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 1988

David Fridovich-Keil, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of California-Berkeley, 2020

Venkat Ganesan, Professor  
Kenneth A. Kobe Professorship in Chemical Engineering  
Department of Chemical Engineering  
PhD, Massachusetts Institute of Technology, 1999

Vijay K Garg, Professor  
Cullen Trust for Higher Education Endowed Professorship in Engineering  
#5  
Department of Electrical and Computer Engineering

PhD, University of California-Berkeley, 1988

George Georgiou, Professor  
Dula D. Cockrell Centennial Chair in Engineering #2  
Department of Chemical Engineering, Department of Biomedical  
Engineering, Department of Molecular Biosciences, and Department of  
Oncology  
Department of Chemical Engineering, Department of Biomedical  
Engineering, Department of Molecular Biosciences, and Department of  
Oncology  
PhD, Cornell University, 1987

Andreas Gerstlauer, Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Irvine, 2004

Omar Ghattas, Professor  
John A. and Katherine G. Jackson Chair in Computational Geosciences  
Department of Geological Sciences, Department of Biomedical  
Engineering, Department of Computer Science, Department of  
Mechanical Engineering, and Institute for Computational Engineering and  
Science  
PhD, Duke University, 1988

Joydeep Ghosh, Professor  
Schlumberger Centennial Chair in Electrical Engineering  
Department of Electrical and Computer Engineering, Department of  
Information, Risk, and Operations Management, and Department of  
Population Health  
PhD, University of Southern California, 1988

Robert B Gilbert, Professor  
Cockrell Family Chair for Departmental Leadership #3, Nasser I. Al-  
Rashid Chair in Civil Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Illinois at Urbana-Champaign, 1993

Yael R Glazer, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2018

Milos Gligoric, Associate Professor  
Department of Electrical and Computer Engineering  
PhD, University of Illinois at Urbana-Champaign, 2015

David B Goldstein, Professor  
Stanley P. Finch Centennial Professorship in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, California Institute of Technology, 1990

Shadi Goodarzi, Research Assistant Professor  
Department of Mechanical Engineering  
PhD, Ecole des Hautes Etudes Commerciales, 2016

John B Goodenough, Professor  
Virginia H. Cockrell Centennial Chair in Engineering  
Department of Mechanical Engineering and Department of Electrical and  
Computer Engineering  
Department of Mechanical Engineering and Department of Electrical and  
Computer Engineering  
PhD, University of Chicago, 1952

Kenneth E Gray, Professor  
Department of Petroleum and Geosystems Engineering  
PhD, University of Texas at Austin, 1963

Derek A Haas, Assistant Professor

Department of Mechanical Engineering and Applied Research  
Laboratories  
PhD, University of Texas at Austin, 2008

Michael Richard Haberman, Assistant Professor  
Department of Mechanical Engineering and Applied Research  
Laboratories  
PhD, Georgia Institute of Technology, 2007

Matthew J Hall, Professor  
Department of Mechanical Engineering  
PhD, Princeton University, 1987

Neal Hall, Associate Professor  
Department of Electrical and Computer Engineering  
PhD, Georgia Institute of Technology, 2004

Mark F Hamilton, Professor  
W. R. Woolrich Professorship in Engineering  
Department of Mechanical Engineering and Applied Research  
Laboratories  
PhD, Pennsylvania State University Main Campus, 1983

Grani Adiwena Hanasusanto, Assistant Professor  
Department of Mechanical Engineering  
PhD, Imperial College London, 2015

Alex Hanson, Assistant Professor  
Department of Electrical and Computer Engineering  
SM, Massachusetts Institute of Technology, 2016

John J Hasenbein, Professor  
Department of Mechanical Engineering  
PhD, Georgia Institute of Technology, 1999

Robert W Heath Jr, Adjunct Professor  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2002

Matt Hebdon, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Purdue University Main Campus, 2015

Robert E Hebner, Research Professor  
Department of Mechanical Engineering  
PhD, University of Missouri - Rolla, 1971

Zoya Heidari, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, University of Texas at Austin, 2011

Todd A Helwig, Professor  
Jewel McAlister Smith Professorship in Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 1994

Deborah S Hempel-Medina, Senior Lecturer  
Chevron Lectureship in Petroleum Engineering  
Department of Petroleum and Geosystems Engineering  
MBA, Southern Methodist University, 2001

Lea Hildebrandt Ruiz, Associate Professor  
Department of Chemical Engineering  
PhD, Carnegie Mellon University, 2011

Ben R Hodges, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Stanford University, 1997

Archie Holmes, Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Santa Barbara, 1997

Lucas M Holt, Lecturer  
Department of Electrical and Computer Engineering  
PhD, University of Texas at Austin, 2017

Rodney Horton, Adjunct Professor  
Department of Biomedical Engineering  
MD, University of Texas Southwestern Medical Center at Dallas, 1988

Trevor Daniel Hrynyk, Adjunct Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Toronto, 2013

Qin Huang, Professor  
Dula D. Cockrell Centennial Chair in Engineering #1  
Department of Electrical and Computer Engineering  
PhD, University of Cambridge, 1992

Rui Huang, Professor  
Bettie Margaret Smith Professorship in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Princeton University, 2001

Thomas J Hughes, Professor  
Peter O'Donnell, Jr. Chair in Computational and Applied Mathematics  
Department of Aerospace Engineering and Engineering Mechanics and  
Institute for Computational Engineering and Science  
PhD, University of California-Berkeley, 1974

Chun Huh, Research Professor  
Department of Petroleum and Geosystems Engineering  
PhD, University of Minnesota-Duluth, 1965

Todd E Humphreys, Professor  
Department of Aerospace Engineering and Engineering Mechanics,  
Applied Research Laboratories, and Wireless Networking and  
Communications Group  
PhD, Cornell University, 2008

Tanya Hutter, Assistant Professor  
Department of Mechanical Engineering  
PhD, University of Cambridge, 2013

Gyeong S Hwang, Professor  
Matthew Van Winkle Regents Professorship in Chemical Engineering  
Department of Chemical Engineering  
PhD, California Institute of Technology, 1999

Jean Incorvia, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, Harvard University, 2015

Ilyas M Iyoob, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2007

Moriba Jah, Associate Professor  
Department of Aerospace Engineering and Engineering Mechanics and  
Applied Research Laboratories  
PhD, University of Colorado at Boulder, 2005

Vijay Janapa Reddi, Adjunct Associate Professor  
Department of Electrical and Computer Engineering  
PhD, Harvard University, 2010

Yaoyao Jia, Assistant Professor

Department of Electrical and Computer Engineering  
PhD, Georgia Institute of Technology, 2019

Ning Jiang, Adjunct Associate Professor  
Department of Biomedical Engineering  
PhD, Georgia Institute of Technology, 2005

Lizy K John, Professor  
Cullen Trust for Higher Education Endowed Professorship in Engineering  
#3  
Department of Electrical and Computer Engineering  
PhD, Pennsylvania State University Main Campus, 1993

Blair Johnson, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Cornell University, 2016

Keith P Johnston, Professor  
Claire and Peter Buenz Endowed Chair in Chemical Engineering  
Department of Chemical Engineering  
PhD, University of Illinois at Urbana-Champaign, 1981

Bailey Briscoe Jones, Lecturer  
Department of Mechanical Engineering  
MSME, University of Colorado at Boulder, 2002

Brandon A Jones, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of Colorado at Boulder, 2010

Maria Juenger, Professor  
L. B. (Preach) Meaders Professorship in Engineering  
Department of Civil, Architectural, and Environmental Engineering and  
Office of the Vice Provost and Dean of Graduate Studies  
PhD, Northwestern University, 1999

Christine L Julien, Professor  
Annis and Jack Bowen Endowed Professorship in Engineering  
Department of Electrical and Computer Engineering, Cockrell School of  
Engineering, and Applied Research Laboratories  
DSc, Washington University in St Louis, 2004

Norman S Kaderlan, Lecturer  
Department of Mechanical Engineering  
PhD, University of Wisconsin-Madison, 1971

Ryan D Kalina, Lecturer  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 2019

Loukas F Kallivokas, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Carnegie Mellon University, 1995

Lynn E Katz, Professor  
Hussein M. Alharthy Centennial Chair in Civil Engineering, Hussein M.  
Alharthy Centennial Professorship in Civil Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Michigan-Ann Arbor, 1993

Fayez S Kazi, Assistant Professor of Practice  
Department of Civil, Architectural, and Environmental Engineering  
MSE, University of Texas at Austin, 2001

Kyle Kearns, Lecturer  
Department of Chemical Engineering  
PhD, University of Texas at Austin, 2020

Benjamin Keith Keitz, Assistant Professor

Department of Chemical Engineering  
PhD, California Institute of Technology, 2013

Hadi Khani, Research Assistant Professor  
Department of Mechanical Engineering  
PhD, Mississippi State University, 2017

Sarfraz Khurshid, Professor  
Department of Electrical and Computer Engineering  
PhD, Massachusetts Institute of Technology, 2004

Hyeji Kim, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2016

Hyun Jung Kim, Assistant Professor  
Department of Biomedical Engineering and Department of Oncology  
PhD, Yonsei University, 2005

Spyridon A Kinnas, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Massachusetts Institute of Technology, 1985

Kerry A Kinney, Professor  
L. P. Gilvin Centennial Professorship in Civil Engineering  
Department of Civil, Architectural, and Environmental Engineering and  
Department of Population Health  
PhD, University of California-Davis, 1996

Mary Jo Kirisits, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Illinois at Urbana-Champaign, 2000

Dale E Klein, Professor  
Frank and Kay Reese Endowed Professorship in Engineering  
Department of Mechanical Engineering  
PhD, University of Missouri - Columbia, 1977

Kara Kockelman, Professor  
DeWitt C. Greer Centennial Professorship in Transportation Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 1998

Joseph Hong Yui Koo, Lecturer  
Department of Mechanical Engineering  
ScD, George Washington University, 1987

Brian A Korgel, Professor  
Rashid Engineering Regents Chair  
Department of Chemical Engineering, School of Design and Creative  
Technologies, and Department of Art and Art History  
PhD, University of California-Los Angeles, 1997

Desiderio Kovar, Professor  
The BFGoodrich Endowed Professorship in Materials Engineering  
Department of Mechanical Engineering  
PhD, Carnegie Mellon University, 1995

Jaydeep Prakash Kulkarni, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, Purdue University Main Campus, 2009

Krishna Kumar, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Cambridge, 2015

Manish Kumar, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering

PhD, University of Illinois at Urbana-Champaign, 2010

Kirby A Kuntz, Assistant Professor of Practice  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Pennsylvania State University Main Campus, 1994

Erhan Kutanoglu, Associate Professor  
Department of Mechanical Engineering  
PhD, Lehigh University, 1999

Stelios Kyriakides, Professor  
John Webb Jennings Chair in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, California Institute of Technology, 1980

Larry W Lake, Professor  
Shahid and Sharon Ullah Endowed Chair in Petroleum and Geosystems Engineering  
Department of Petroleum and Geosystems Engineering  
PhD, Rice University, 1973

Carlos Jose Landaverde Alvarado, Assistant Professor of Instruction  
Department of Chemical Engineering  
PhD, Virginia Polytechnic Institute and State University, 2016

Chad Matthew Landis, Professor  
T. U. Taylor Professorship in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of California-Santa Barbara, 1999

Sheldon Landsberger, Professor  
Robert B. Trull Chair in Engineering  
Department of Mechanical Engineering  
PhD, University of Toronto, 1982

Joseph Lapka, Lecturer  
Department of Mechanical Engineering  
PhD, Oregon State University, 2013

Jack C Lee, Professor  
Cullen Trust for Higher Education Endowed Professorship in Engineering #4  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 1988

Benjamin D Leibowicz, Assistant Professor  
Department of Mechanical Engineering  
PhD, Stanford University, 2016

Fernanda Lustosa Leite, Associate Professor  
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DPhil, Carnegie Mellon University, 2009

Wei Li, Professor  
Bob R. Dorsey Professorship in Engineering  
Department of Mechanical Engineering  
PhD, University of Michigan-Ann Arbor, 1999

Xiuling Li, Professor  
Temple Foundation Endowed Professorship No. 3  
Department of Electrical and Computer Engineering and Department of Chemistry  
PhD, University of California-Los Angeles, 1993

Kenneth M Liechti, Professor  
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PhD, California Institute of Technology, 1980

Howard M Liljestrand, Professor

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PhD, California Institute of Technology, 1980

Yuan Yue Liu, Assistant Professor  
Department of Mechanical Engineering  
PhD, Rice University, 2014

Silviu Livescu, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, University of Delaware, 2006

Raul G Longoria, Professor  
Department of Mechanical Engineering  
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Nanshu Lu, Associate Professor  
Department of Aerospace Engineering and Engineering Mechanics,  
Department of Biomedical Engineering, Department of Mechanical Engineering, and Department of Electrical and Computer Engineering  
PhD, Harvard University, 2009

Ruo Chen Lu, Assistant Professor  
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PhD, University of Illinois at Urbana-Champaign, 2019

Yingda Lu, Assistant Professor  
Department of Petroleum and Geosystems Engineering  
PhD, University of Michigan-Ann Arbor, 2015

Nathaniel Lynd, Associate Professor  
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PhD, University of Minnesota-Twin Cities, 2007

Randy B Machemehl, Professor  
Nasser I. Al-Rashid Centennial Professorship in Transportation Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 1975

Lori A Magruder, Associate Professor  
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PhD, University of Texas at Austin, 2001

Raghav Mahalingam, Lecturer  
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PhD, Georgia Institute of Technology, 1999

David R Maidment, Professor  
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PhD, University of Illinois at Urbana-Champaign, 1976

Ann Majewicz Fey, Associate Professor  
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PhD, Stanford University, 2014

Krishan A Malik, Adjunct Professor  
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PhD, University of Texas at Austin, 1987

Filippo Mangolini, Assistant Professor  
Department of Mechanical Engineering  
PhD, Universitat Zurich, 2011

Arumugam Manthiram, Professor  
Cockrell Family Regents Chair in Engineering #5  
Department of Mechanical Engineering and Texas Materials Institute

PhD, Indian Institute of Technology - Chennai, 1980

Lance Manuel, Professor  
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Department of Civil, Architectural, and Environmental Engineering  
PhD, Stanford University, 1993

Diana Marculescu, Professor  
Motorola Regents Chair in Electrical and Computer Engineering #2,  
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Department of Electrical and Computer Engineering  
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Radu Marculescu, Professor  
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#1  
Department of Biomedical Engineering, Center for Women's and  
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PhD, Duke University, 2002

Jennifer A Maynard, Professor  
Z. D. Bonner Professorship of Chemical Engineering  
Department of Chemical Engineering  
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Jeremiah Mccallister, Lecturer  
Department of Mechanical Engineering  
BSME, Florida State University, 2015

Robert B McCann, Adjunct Professor  
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PhD, University of Texas at Austin, 1975

Paul F McClure, Lecturer  
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PhD, Colorado State University, 1972

Mark W McDermott, Professor of Practice  
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PhD, University of Texas at Austin, 2014

Mark E Mear, Professor  
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PhD, Harvard University, 1986

Fatima A Merchant, Adjunct Associate Professor  
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Jose del R Millan, Professor  
Carol Cockrell Curran Chair in Engineering  
Department of Electrical and Computer Engineering and Department of  
Neurology  
PhD, Universitat Autònoma de Barcelona, 1992

Delia Milliron, Professor  
Bill L. Stanley Endowed Leadership Chair in Chemical Engineering, T.  
Brockett Hudson Professorship in Chemical Engineering  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 2004

Pawel Misztal, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Edinburgh, 2010

David Mitlin, Professor  
Department of Mechanical Engineering and Applied Research  
Laboratories  
PhD, University of California-Berkeley, 2000

Rozbeh B Moghaddam, Lecturer  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Texas Tech University, 2016

Javad Mohammadi, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Carnegie Mellon University, 2016

Kishore Mohanty, Professor  
W. A. "Monty" Moncrief Centennial Chair in Petroleum Engineering, W. A.  
"Monty" Moncrief Centennial Chair in Petroleum Engineering  
Department of Petroleum and Geosystems Engineering  
PhD, University of Minnesota-Duluth, 1981

Aryan Mokhtari, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, University of Pennsylvania, 2017

Christy Moore, Senior Lecturer  
Department of Mechanical Engineering  
MA, University of Texas at Austin, 1990

Robert D Moser, Professor  
W. A. "Tex" Moncrief, Jr. Chair in Computational Engineering and  
Sciences  
Department of Mechanical Engineering, Applied Research Laboratories,  
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PhD, Stanford University, 1984

Maira M Muldoon, Lecturer  
Department of Chemical Engineering  
MFA, Texas State University, 2005

Charles B Mullins, Professor  
Richard B. Curran Centennial Chair in Engineering  
Department of Chemical Engineering and Department of Chemistry  
PhD, California Institute of Technology, 1990

Stephen P Mulva, Lecturer  
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PhD, Georgia Institute of Technology, 2004

Juan Murcia Delso, Adjunct Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-San Diego, 2013

Mustafa Nail Musta, Lecturer  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Southern Methodist University, 2012

Gyorgy Zoltan Nagy, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Swiss Federal Institute of Technology, 2011

Vallath Nandakumar, Assistant Professor of Instruction  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 1990

Richard R Neptune, Professor  
William and Bettye Nowlin Chair in Engineering



Department of Mechanical Engineering  
PhD, University of California-Davis, 1996

Quoc Phuc Nguyen, Professor  
J. H. Herring Centennial Professorship in Petroleum Engineering  
Department of Petroleum and Geosystems Engineering  
PhD, Delft University of Technology, 2004

Steven P Nichols, Professor  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 1975

Evdokia Nikolova, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, Massachusetts Institute of Technology, 2009

Dev Niyogi, Professor  
Department of Geological Sciences and Department of Civil,  
Architectural, and Environmental Engineering  
PhD, North Carolina State University, 2000

Adam W Nokes, Lecturer  
Department of Aerospace Engineering and Engineering Mechanics  
MS, University of Colorado at Boulder, 2007

Atila Novoselac, Professor  
Marion E. Forsman Centennial Professorship in Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Pennsylvania State University Main Campus, 2004

William J O'Brien, Professor  
E. P. Schoch Professorship in Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Stanford University, 1998

James T O'Connor, Professor  
C. T. Wells Professorship in Project Management  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 1983

J T Oden, Professor  
Cockrell Family Regents Chair in Engineering #2  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Oklahoma State University Main Campus, 1962

Ryosuke Okuno, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, University of Texas at Austin, 2009

Hilary C Olson, Associate Professor of Instruction  
Cockrell School of Engineering  
PhD, Stanford University, 1988

Jon E Olson, Professor  
Lois K. and Richard D. Folger Leadership Chair in Petroleum and  
Geosystems Engineering, Frank W. Jessen Professorship in Petroleum  
Engineering  
Department of Petroleum and Geosystems Engineering and Bureau of  
Economic Geology  
PhD, Stanford University, 1991

Raymond Lee Orbach, Professor  
Department of Mechanical Engineering  
PhD, University of California-Berkeley, 1960

Michael E Orshansky, Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 2001

Robert Oshana, Lecturer  
Department of Mechanical Engineering  
MSCS, Southern Methodist University, 1995

Zhigang Pan, Professor  
Silicon Laboratories Endowed Chair in Electrical Engineering  
Department of Electrical and Computer Engineering  
PhD, University of California-Los Angeles, 2000

Heena V Panchasara, Lecturer  
Department of Mechanical Engineering  
PhD, The University of Alabama, 2010

Michael P Pappas, Lecturer  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 2004

Sapun Harshad Parekh, Assistant Professor  
Department of Biomedical Engineering  
PhD, University of California-Berkeley, 2008

Paola Passalacqua, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Minnesota-Twin Cities, 2009

Yale N Patt, Professor  
Ernest Cockrell, Jr. Centennial Chair in Engineering  
Department of Electrical and Computer Engineering and Department of  
Computer Science  
PhD, Stanford University, 1966

Nicholas A Peppas, Professor  
Cockrell Family Regents Chair in Engineering #6  
Department of Chemical Engineering, Department of Biomedical  
Engineering, College of Pharmacy, Department of Surgery and  
Perioperative Care, and Department of Pediatrics  
Department of Chemical Engineering, Department of Biomedical  
Engineering, College of Pharmacy, Department of Surgery and  
Perioperative Care, and Department of Pediatrics  
ScD, Massachusetts Institute of Technology, 1973

Ana Francisca Moreira aroso Pinto De Oliveira, Assistant Professor of  
Practice  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Open University, 2015

Gary A Pope, Professor  
Department of Petroleum and Geosystems Engineering  
PhD, Rice University, 1972

Emily Porter, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, McGill University, 2015

Tyrone Porter, Professor  
Donald J. Douglass Centennial Professorship in Engineering  
Department of Biomedical Engineering  
PhD, University of Washington - Seattle, 2003

Masa Prodanovic, Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, New York University, 2005

Jorge A Prozzi, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 2001

Mitchell W Pryor, Lecturer  
Department of Mechanical Engineering

PhD, University of Texas at Austin, 2002

Daniel Puperi, Assistant Professor of Instruction  
Department of Biomedical Engineering  
PhD, Rice University, 2016

Michael Pyrcz, Associate Professor  
Department of Petroleum and Geosystems Engineering and Department  
of Geological Sciences  
PhD, University of Alberta, 2004

Laxminarayan L Raja, Professor  
Robert L. Parker, Sr. Centennial Professorship in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of Texas at Austin, 1996

Ellen M Rathje, Professor  
Janet S. Cockrell Centennial Chair in Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 1997

Manuel Karl Rausch, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics and  
Department of Biomedical Engineering  
PhD, Stanford University, 2013

Krishnaswa Ravi-Chandar, Professor  
M. C. (Bud) and Mary Beth Baird Endowed Chair  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, California Institute of Technology, 1982

Arvind P Ravikumar, Research Associate Professor  
Department of Petroleum and Geosystems Engineering  
PhD, Princeton University, 2015

Leonard F Register, Professor  
J. H. Herring Centennial Professorship in Engineering  
Department of Electrical and Computer Engineering  
PhD, North Carolina State University, 1990

Pengyu Ren, Professor  
E. C. H. Bantel Professorship for Professional Practice  
Department of Biomedical Engineering  
PhD, University of Cincinnati Main Campus, 1999

Joaquin Resasco, Assistant Professor  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 2017

Joshua D Rhodes, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2014

Gary T Rochelle, Professor  
Carol and Henry Groppe Professorship in Chemical Engineering  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 1977

Adrian Rodriguez, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Arlington, 2014

Adrienne M Rosales, Assistant Professor  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 2013

Juan P Ruiz, Lecturer  
Department of Chemical Engineering

PhD, Carnegie Mellon University, 2011

Martin G Rumbaugh, Lecturer  
Department of Civil, Architectural, and Environmental Engineering  
MS, University of Texas at Austin, 1998

Ryan P Russell, Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of Texas at Austin, 2004

Christopher G Rylander, Associate Professor  
Department of Mechanical Engineering, Department of Biomedical  
Engineering, and Department of Surgery and Perioperative Care  
PhD, University of Texas at Austin, 2005

Henry G Rylander III, Professor  
Harry H. Power Professorship in Engineering  
Department of Biomedical Engineering and Department of Electrical and  
Computer Engineering  
MD, University of Texas Health Science Center at San Antonio, 1974

Marissa N Rylander, Associate Professor  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2005

Michael S Sacks, Professor  
W. A. "Tex" Moncrief, Jr. Endowment in Simulation-Based Engineering  
and Sciences - Endowed Chair No. 1  
Department of Biomedical Engineering, Institute for Computational  
Engineering and Science, Department of Aerospace Engineering and  
Engineering Mechanics, Department of Mechanical Engineering,  
Department of Diagnostic Medicine, and Department of Medicine  
PhD, University of Texas at Arlington, 1992

Jason Derek Sagers, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2012

Shelly Elese Sakiyama-Elbert, Professor  
Cockrell Family Chair for Departmental Leadership #1, Fletcher Stuckey  
Pratt Chair in Engineering  
Department of Biomedical Engineering  
PhD, California Institute of Technology, 2000

Salvatore Salamone, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Università degli Studi di Palermo, 2007

Navid Saleh, Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Carnegie Mellon University, 2007

Abhay Samant, Lecturer  
Department of Electrical and Computer Engineering  
PhD, Indian Institute of Technology - Jodhpur, 2016

Sujay Sanghavi, Associate Professor  
Department of Electrical and Computer Engineering  
PhD, University of Illinois at Urbana-Champaign, 2006

Gabriel Sanoja, Assistant Professor  
Department of Chemical Engineering  
PhD, University of California-Berkeley, 2016

Pedro Enrique Santacruz, Assistant Professor of Instruction  
Department of Electrical and Computer Engineering  
PhD, Rice University, 2013

Samantha Rose Santacruz, Assistant Professor

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PhD, Rice University, 2014

Surya Santoso, Professor  
Department of Electrical and Computer Engineering  
PhD, University of Texas at Austin, 1996

Elias Issa Saqan, Professor of Practice  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 1995

Douglas Sassaman, Lecturer  
Department of Mechanical Engineering  
BS, Alfred University, 2014

John Savage, Lecturer  
School of Journalism and Media and Department of Chemical  
Engineering  
MA, University of Texas at Austin, 2017

Carolyn Conner Seepersad, Professor  
J. Mike Walker Professorship in Mechanical Engineering  
Department of Mechanical Engineering and Applied Research  
Laboratories  
PhD, Georgia Institute of Technology, 2004

Stephanie K Seidlits, Associate Professor  
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PhD, University of Texas at Austin, 2010

Polina Sela, Assistant Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Technion-Israel Institute of Technology, 2011

Luis Sentis, Associate Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Stanford University, 2007

Kamy Sepehrnoori, Professor  
Texaco Centennial Chair in Petroleum Engineering  
Department of Petroleum and Geosystems Engineering  
PhD, University of Texas at Austin, 1977

Zhenghui Sha, Assistant Professor  
Department of Mechanical Engineering  
PhD, Purdue University Main Campus, 2015

Sanjay Shakkottai, Professor  
Cockrell Family Chair in Engineering #15  
Department of Electrical and Computer Engineering  
PhD, University of Illinois at Urbana-Champaign, 2002

Shyam Shankar, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, Princeton University, 2010

Mukul M Sharma, Professor  
W. A. "Tex" Moncrief, Jr. Centennial Chair in Petroleum Engineering  
Department of Petroleum and Geosystems Engineering  
PhD, University of Southern California, 1985

August Wang Shi, Assistant Professor  
Department of Electrical and Computer Engineering  
BS, University of Texas at Austin, 2013

Li Shi, Professor  
Ernest Cockrell, Sr. Chair in Engineering #2  
Department of Mechanical Engineering

PhD, University of California-Berkeley, 2000

Donald Jason Siegel, Professor  
Cockrell Family Chair for Departmental Leadership #4, Temple  
Foundation Endowed Professorship No. 4  
Department of Mechanical Engineering  
PhD, University of Illinois at Urbana-Champaign, 2001

Jayant Sirohi, Professor  
M. J. Thompson Regents Professorship in Aerospace Engineering and  
Engineering Mechanics  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of Maryland College Park, 2002

Mark J T Smith, Professor  
Office of the Vice Provost and Dean of Graduate Studies and Department  
of Electrical and Computer Engineering  
PhD, Georgia Institute of Technology, 1984

Michael H Smolensky, Adjunct Professor  
Department of Biomedical Engineering  
PhD, University of Illinois at Urbana-Champaign, 1971

Konstantin V Sokolov, Adjunct Associate Professor  
Department of Biomedical Engineering  
PhD, Moscow State University, 1992

David Soloveichik, Associate Professor  
Department of Electrical and Computer Engineering  
PhD, California Institute of Technology, 2008

Susan B Somers-Willett, Lecturer  
Center for Women's and Gender Studies, Department of English, and  
Department of Chemical Engineering  
PhD, University of Texas at Austin, 2003

Wen Song, Assistant Professor  
Department of Petroleum and Geosystems Engineering  
PhD, Stanford University, 2019

Gerald E Speitel Jr, Professor  
C. W. Cook Professorship in Environmental Engineering  
Department of Civil, Architectural, and Environmental Engineering and  
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PhD, University of North Carolina at Chapel Hill, 1985

S V Sreenivasan, Professor  
Cockrell Family Regents Chair in Engineering #7  
Department of Mechanical Engineering  
PhD, Ohio State U Main Campus, 1994

Jeanne Casstevens Stachowiak, Associate Professor  
Department of Biomedical Engineering  
PhD, University of California-Berkeley, 2008

Mark A Stadtherr, Research Professor  
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Wesley W Stidham, Assistant Professor of Practice  
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Kenneth H Stokoe II, Professor  
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PhD, University of Michigan-Ann Arbor, 1972

Venkat Subramanian, Professor

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PhD, University of South Carolina - Columbia, 2001

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Zarrow Centennial Professorship in Engineering  
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PhD, Rice University, 1998

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Saikishan Suryanarayanan, Lecturer  
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Department of Chemical Engineering and Department of Mechanical Engineering  
PhD, University of Texas at Austin, 1981

Eric M Taleff, Professor  
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PhD, University of California-Berkeley, 2018

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PhD, Virginia Polytechnic Institute and State University, 2012

Nina K Telang, Associate Professor of Instruction  
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Department of Electrical and Computer Engineering  
ScD, Massachusetts Institute of Technology, 1987

Andrea Lockerd Thomaz, Adjunct Associate Professor  
Department of Electrical and Computer Engineering

PhD, Massachusetts Institute of Technology, 2006

Edison Thomaz Jr, Assistant Professor  
Department of Electrical and Computer Engineering and School of Information  
PhD, Georgia Institute of Technology, 2016

Mohit Tiwari, Associate Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Santa Barbara, 2011

Ufuk Topcu, Associate Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, University of California-Berkeley, 2008

Carlos Torres-Verdin, Professor  
Brian James Jennings Memorial Endowed Chair in Petroleum and Geosystems Engineering  
Department of Petroleum and Geosystems Engineering and Department of Geological Sciences  
PhD, University of California-Berkeley, 1991

Nur A Touba, Professor  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 1996

Thomas M Truskett, Professor  
Dick Rothwell Endowed Chair in Chemical Engineering  
Department of Chemical Engineering and Department of Physics  
PhD, Princeton University, 2001

James W Tunnell, Associate Professor  
Department of Biomedical Engineering, Department of Oncology, and Department of Diagnostic Medicine  
PhD, Rice University, 2002

David Paul Tuttle, Lecturer  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2015

Emanuel Tutuc, Professor  
B. N. Gafford Professorship in Electrical Engineering  
Department of Electrical and Computer Engineering and Department of Physics  
PhD, Princeton University, 2004

Thomas Carlton Underwood, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Stanford University, 2019

Jonathan W Valvano, Professor  
Department of Electrical and Computer Engineering  
PhD, Massachusetts Institute of Technology, 1981

Eric van Oort, Professor  
Joe J. King Chair of Engineering No. 2  
Department of Petroleum and Geosystems Engineering  
PhD, University of Amsterdam, 1990

Philip L Varghese, Professor  
Ernest H. Cockrell Centennial Chair in Engineering  
Department of Aerospace Engineering and Engineering Mechanics  
PhD, Stanford University, 1983

Haris Vikalo, Professor  
Department of Electrical and Computer Engineering  
PhD, Stanford University, 2003

Sriram Vishwanath, Professor

Department of Electrical and Computer Engineering  
PhD, Stanford University, 2004

Samuel Wallen, Lecturer  
Department of Mechanical Engineering  
PhD, University of Washington - Seattle, 2017

Atlas Wang, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, University of Illinois at Urbana-Champaign, 2016

Huilang Wang, Assistant Professor  
Department of Biomedical Engineering  
PhD, Stanford University, 2014

Junmin Wang, Professor  
Lee Norris & Linda Steen Norris Endowed Professorship in Mechanical Engineering  
Department of Mechanical Engineering  
PhD, University of Texas at Austin, 2007

Wennie Wang, Assistant Professor  
Department of Chemical Engineering  
PhD, University of California-Santa Barbara, 2018

Yaguo Wang, Associate Professor  
Department of Mechanical Engineering  
PhD, Purdue University Main Campus, 2011

Jamie Warner, Professor  
Hayden Head Centennial Professorship  
Department of Mechanical Engineering and Department of Electrical and Computer Engineering  
PhD, University of Queensland, 2005

Daniel M Wasserman, Professor  
Department of Electrical and Computer Engineering  
PhD, Princeton University, 2004

Michael Webber, Professor  
Josey Centennial Professorship in Energy Resources  
Department of Mechanical Engineering  
PhD, Stanford University, 2001

Charles J Werth, Professor  
Bettie Margaret Smith Chair in Environmental Health Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Stanford University, 1997

Heidi R Westerfield Ross, Lecturer  
Department of Civil, Architectural, and Environmental Engineering  
MSCE, University of Texas at Austin, 1993

Mary F Wheeler, Professor  
Ernest and Virginia Cockrell Chair in Engineering  
Department of Petroleum and Geosystems Engineering, Department of Aerospace Engineering and Engineering Mechanics, Department of Mathematics, and Institute for Computational Engineering and Science  
Department of Petroleum and Geosystems Engineering, Department of Aerospace Engineering and Engineering Mechanics, Department of Mathematics, and Institute for Computational Engineering and Science  
PhD, Rice University, 1971

Karen E Willcox, Professor  
Peter O'Donnell, Jr. Centennial Chair in Computing Systems, W.A. "Tex" Moncrief, Jr. Endowment in Simulation-Based Engineering and Sciences - Endowed Chair No. 5, Peter and Edith O'Donnell Distinguished Chair at ICES

Department of Aerospace Engineering and Engineering Mechanics and Institute for Computational Engineering and Science  
PhD, Massachusetts Institute of Technology, 2000

Eric B Williamson, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Illinois at Urbana-Champaign, 1996

Preston S Wilson, Professor  
Paul D. and Betty Robertson Meek Centennial Professorship in Engineering  
Department of Mechanical Engineering and Applied Research Laboratories  
PhD, Boston University, 2002

Billy H Wood, Senior Lecturer  
Department of Mechanical Engineering  
MArch, Texas A & M University, 1977

Sharon L Wood, Professor  
Cockrell Family Chair in Engineering #14  
Department of Civil, Architectural, and Environmental Engineering and Office of the Executive Vice President and Provost  
PhD, University of Illinois at Urbana-Champaign, 1986

Chong Xie, Adjunct Associate Professor  
Department of Biomedical Engineering  
PhD, Stanford University, 2011

Ying Xu, Adjunct Associate Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, Virginia Polytechnic Institute and State University, 2009

Neeraja Jayant Yadwadkar, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, University of California-Berkeley, 2018

Thomas Yankeelov, Professor  
W. A. "Tex" Moncrief, Jr. Chair in Computational Engineering and Sciences IV - Computational Oncology, W. A. "Tex" Moncrief, Jr. Chair in Computational Engineering and Sciences IV - Computational Oncology  
Department of Biomedical Engineering, Institute for Computational Engineering and Science, Department of Oncology, and Department of Diagnostic Medicine  
PhD, State University of New York at Stony Brook, 2003

Hsin-Chih Yeh, Associate Professor  
Department of Biomedical Engineering  
PhD, Johns Hopkins University, 2008

Ramesh Yerraballi, Professor of Instruction  
Department of Electrical and Computer Engineering  
PhD, Old Dominion University, 1996

Ali E Yilmaz, Professor  
Department of Electrical and Computer Engineering  
PhD, University of Illinois at Urbana-Champaign, 2005

Edward T Yu, Professor  
Judson S. Swearingen Regents Chair in Engineering  
Department of Electrical and Computer Engineering  
PhD, California Institute of Technology, 1991

Guihua Yu, Associate Professor  
Department of Mechanical Engineering  
PhD, Harvard University, 2009

Renato Zanetti, Assistant Professor  
Department of Aerospace Engineering and Engineering Mechanics

PhD, University of Texas at Austin, 2007

Zhanmin Zhang, Professor  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of Texas at Austin, 1996

Bo Zhao, Assistant Professor  
Department of Biomedical Engineering and Department of Diagnostic  
Medicine  
PhD, University of Illinois at Urbana-Champaign, 2014

Yuebing Zheng, Associate Professor  
Department of Mechanical Engineering  
PhD, Pennsylvania State University Park, 2010

Jianshi Zhou, Research Professor  
Department of Mechanical Engineering  
PhD, Northeast Normal University, 1991

Lei Zhou, Assistant Professor  
Department of Mechanical Engineering  
SM, Massachusetts Institute of Technology, 2014

Hao Zhu, Assistant Professor  
Department of Electrical and Computer Engineering  
PhD, University of Minnesota-Twin Cities, 2012

Janeta Zoldan, Associate Professor  
Department of Biomedical Engineering  
PhD, Technion-Israel Institute of Technology, 2004

Jorge G Zornberg, Professor  
Brunswick-Abernathy Regents Professorship in Soil Dynamics and  
Geotechnical Engineering  
Department of Civil, Architectural, and Environmental Engineering  
PhD, University of California-Berkeley, 1994

Gregory R Zwernemann, Professor of Practice  
Department of Aerospace Engineering and Engineering Mechanics  
MS, University of Texas at Austin, 1978

## College of Fine Arts

Ramón Rivera-Servera, PhD, *Dean*

John Turci-Escobar, PhD, *Associate Dean for Undergraduate Studies*

Roxanne Schroeder-Arce, MFA, *Director of UTeach Fine Arts*

<http://www.finearts.utexas.edu>

## General Information

### Mission

The College of Fine Arts educates artists, scholars, designers, and art educators within a context that emphasizes artistic excellence, advanced technology, cultural diversity, and best professional practices. The college places high priority on research and the creation of new work through its many programs and degrees offered by the Department of Art and Art History, the School of Design and Creative Technologies, the Butler School of Music, and the Department of Theatre and Dance.

Texas Performing Arts, the university's arts presenting organization, and Landmarks, the university's public art program, along with the Visual Arts Center, a contemporary gallery space showcasing student, faculty, and guest artists, are housed within the college and provide performances and exhibitions that deepen the understanding of the arts, expand audiences and develop a better quality of life in the University, community, state, and nation.

## Facilities

The Office of the Dean of the College of Fine Arts is located in the E. William Doty Fine Arts Building, at the corner of 23rd and Trinity streets. General inquiries about the college should be directed to this office. The mailing address is The University of Texas at Austin, Office of the Dean, College of Fine Arts, 2301 Trinity Street D1400, Austin TX, 78712.

Within the college are four academic units—the Department of Art and Art History, the School of Design and Creative Technologies, the Sarah and Ernest Butler School of Music, and the Department of Theatre and Dance. Inquiries about a particular unit should be directed to that unit.

## The Visual Arts Center

The Visual Arts Center (VAC) is a 13,000 square foot gallery space located in the College of Fine Arts. We provide a platform for artists, curators, and educators to experiment, test ideas, and take risks. We aim to spark generative conversations about art and contemporary society through our exhibitions and public programs that take place throughout the academic year.

For more information on the VAC's exhibitions and public programs, please visit <http://www.utvac.org>.

## Texas Performing Arts

The mission of Texas Performing Arts is to connect people with performance. As the professional arts presenting and producing program at UT, it is one of the largest and most active performing arts centers in the country. Hundreds of performances are offered each year, including a season of dance, theater, music, and interdisciplinary productions; the Broadway in Austin series; and the Texas Welcomes series of touring artists.

Texas Performing Arts venues include Austin's largest theater—the recently renovated Bass Concert Hall—and the intimate McCullough Theater. Behind-the-scenes, enormous fabrication studios provide student makers the opportunity for hands-on creative experiences.

Every aspect of Texas Performing Arts is a professional learning laboratory for UT Austin students, who receive discounted tickets to season performances, work side-by-side with professional staff and visiting artists, and connect with others through Hook 'em Arts, a student-led arts advocacy group.

## Computer and Technology Facilities

In addition to the computer facilities available to all students at the University, the College of Fine Arts maintains facilities with special hardware and software for its own undergraduate and graduate majors. These include central laboratories and media-enhanced classrooms in each of the four academic units, and extensive wireless Internet coverage throughout the college.

Because of the rapidly growing importance of computers in College of Fine Arts curricula, students are strongly encouraged to come to the University with their own computers. In some programs of study, laptops are required. Students should contact the area of academic interest for more information.

## Fine Arts Library

Located on levels 3 and 5 of the E. William Doty Fine Arts Building, the Fine Arts Library supports research and instruction in the College of Fine Arts, including the Department of Art and Art History, the School of Design and Creative Technologies, the Butler School of Music, and the Department of Theatre and Dance. The Fine Arts Library is also home to The Foundry, a makerspace for all members of the campus community,

equipped with 3D printers, a laser cutter, a vinyl printer cutter, mills, high-end Macs, a collaborative video station, a virtual reality space, and a recording studio. For more information, including hours and contact information, go to: <https://www.lib.utexas.edu/about/locations/fine-arts>.

Services include information and research assistance, instruction in getting the best from library databases including online and full-text journals, circulation, and course reserves. The Fine Arts Library offers computing hardware and software to support the study of the fine arts, a high-end scanner, as well as media equipment and digital cameras. Carrels can be assigned to students seeking a specific location. A full range of support is provided for The Foundry's equipment. More details can be found here: <https://www.lib.utexas.edu/foundry>.

The art collection includes materials on most art and design movements and schools, photography, and art education. Artists of most periods and nationalities and studies of their work are represented, as are most media and techniques. Art works on display include a large pre-Columbian pottery collection and modern prints. The Visual Resource Collection contains over 100,000 images from art, architecture, the performing arts, and fashion, and is accessible, with a UT EID, at <https://guides.lib.utexas.edu/visualresources>.

The music collection includes materials on performance, composition, history, ethnomusicology, music education, and music therapy. Most historical periods and geographical areas are covered in both classical and popular idioms, and while the emphasis is on the Western classical tradition, many other musics are represented. Tens of thousands of scores are available for both study and performance. Several streaming audio and video services are available, and students can stream movies, documentaries, and performances via the Library Catalog, at <http://catalog.lib.utexas.edu/>.

The theatre and dance collection includes materials on performance, especially play production, theatrical design, playwriting, theatre education, and dance. Materials on other types of theatrical presentations, such as magic, circuses, and pantomime, are also included. The Fine Arts Library holds texts of major plays written in English or translated into English, with contemporary plays collected most heavily. The Perry-Castañeda Library also holds texts of plays in English and other languages, with emphasis on plays as a literary form and on literary criticism.

Special collections include artist's books, zines, materials from the Austin Theatre Alliance—Paramount and State Theatres, and the Historical Music Recordings Collection, which includes over 300,000 items in older formats such as 78rpm and LP records, and open-reel tapes.

## Financial Assistance Available through the College

Students in the College of Fine Arts may be eligible for a variety of scholarships and awards. Most scholarship aid in the college is offered through the academic units (art and art history, design and creative technologies, music, and theatre and dance). For information about scholarship procedures and deadlines, the student should contact the scholarship coordinator in their department or school.

## Student Services

### Student Affairs

The Office of Student Affairs, a division of the Office of the Dean, offers a variety of student services, including academic advising, maintenance of student records, degree auditing, student success programming, and other undergraduate student support services. Students should contact

the Office of Student Affairs for answers to questions about degree requirements, graduation, or College of Fine Arts and University of Texas policies and regulations. This office is also a good source of referral for University-wide student support offices.

## Academic Advising

Each academic unit in the college (art and art history, design and creative technologies, music, and theatre and dance) has at least one full-time staff advisor. Questions about advising policies and procedures should be directed to those departmental advisors. Senior academic advisors and Student Affairs personnel are also available to undergraduate students in the centralized Student Affairs Office.

A student enrolled in the College of Fine Arts is required to have their proposed schedules approved by a designated advisor before registering for any semester or summer session. Subsequent changes or corrections in the schedule must also have the advisor's approval.

## Career Services

### Career Advising

Fine Arts Career Services, a division of the Office of the Dean, helps fine arts majors explore career options, plan for careers, and develop strategies for seeking jobs upon graduation. This is done through individual career coaching, workshops, and special events. More information is available at <https://finearts.utexas.edu/careers>. Students can get the most out of their career development experience by activating their Handshake account, which is FACS' platform for appointment scheduling and job searching. Students can do this at <https://utaustin.joinhandshake.com>. Career advising and planning services are also available from the Texas Career Engagement Center.

The University makes no promise to secure employment for each graduate.

## Student Organizations

In each of the units of the College of Fine Arts are various student organizations, including honor societies, professional associations, and service organizations. For information about current organizations and their eligibility requirements, contact the appropriate academic unit or the Office of the Dean of Students.

The Fine Arts Council is the official student organization of the college.

## Study Abroad

The College of Fine Arts offers many opportunities for students to study abroad:

Learning Tuscany program offers arts instruction by University faculty members at the Santa Chiara Study Center in Castiglion Fiorentino, near Florence. Students take both studio art and art history courses and focus on the culture of central Italy through class time and numerous field trips to nearby cities. More information is available from the undergraduate advising office in the Department of Art and Art History.

Urban Art and Design: Mexico City is a fall semester program that focuses on Mexico City's contemporary art and design scenes. Mexico City is one of the most vibrant, welcoming, boisterous, dissonant and ultimately dazzling cities in the world. With nearly 9 million residents, it is one of the planet's great urban laboratories where social, artistic and ecological problems meet solutions every day. Mexico City is a global hub of art, architecture and communication full of creative people and big ideas.

Casa Herrera is a research, conference, and teaching facility located in the heart of Antigua, Guatemala, operated by the Department of Art and

Art History. As an extension of the department's Mesoamerica Center, Casa Herrera focuses on the varied and inter-related disciplines that contribute to the study of Pre-Columbian art, archeology, history, and culture.

## Admission and Registration

### Admission

Admission and readmission of undergraduate students to the University is the responsibility of the executive director of admissions. Information about admission to the University is given in the [General Information Catalog](#) and online at <https://admissions.utexas.edu/>.

Prospective students must complete all general application requirements required by the university's Office of Admissions. All required application materials must be received by the posted application deadline. If a student's materials are deemed late and the student believes they experienced extenuating circumstances, they may follow the Office of Admissions procedures for submitting an individual appeal online.

### Admission Policies of the College

To major in any field in the College of Fine Arts, a student must be admitted to the University. In most cases, College of Fine Arts applicants must also complete additional requirements according to the student's proposed major or program. This may include one or more items such as an audition, portfolio, other creative submission, interview, writing prompt(s), and additional questions.

College of Fine Arts faculty review student application materials to evaluate each student's fit for their desired major/program in the context of the applicant pool. Upon completion of faculty review and deliberation, college leadership submits recommendations to the university's executive director of admissions, who is responsible for making final admission decisions for all prospective freshman and external transfer applicants.

Information about admission requirements, procedures, and deadlines is available from the undergraduate admissions office in the department or online at <https://finearts.utexas.edu/admissions/undergraduate-admissions>.

### Transfer Admission

#### Internal Transfer and Simultaneous Majors

A student may seek entrance to the College of Fine Arts via internal transfer from another division of the University or adding a simultaneous major in accordance with the procedures and policies given in the [General Information Catalog](#). However, a student seeking admission to any department of the college must also satisfy the special admission requirements described above.

### Transfer Credit Evaluation

Most credit accepted from another college or university is evaluated by the Office of Admissions to determine equivalent courses at The University of Texas at Austin. For some transferred courses, especially in the fine arts, credit is accepted but no specific University equivalency is assigned. If, for example, a student has completed 12 semester hours of transferable coursework in studio art at another institution, the Office of Admissions may accept the work only as 12 semester hours of unspecified credit in art. The same will often be true for courses in design, theatre and dance, and music.

Unspecified transfer credit both within and outside the student's major is evaluated by the Office of the Dean, Student Affairs during the degree audit process described in the [Degree Audit](#) (p. ) section. The

Student Affairs Office, with assistance from departmental faculty and academic advisors, will identify courses in the major that are appropriate equivalencies.

Transfer credit in music performance may not be counted toward a degree in music until the student has completed additional music performance coursework at the University.

### Registration

The [General Information Catalog](#) gives information about the University's academic policies and procedures, including adding and dropping courses, withdrawal, pass/fail status, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and [General Information](#) are published on the registrar's Web site, <http://registrar.utexas.edu/>.

### Registration Approvals Required

Before registering for any semester or summer session, a student in the College of Fine Arts must obtain documented approval of the proposed schedule of classes from his or her designated advisor.

### Course Prerequisites

The student must also meet the prerequisite for each course in which he or she enrolls. Prerequisites are given in the relevant catalog section and often appear in the [Course Schedule](#). A student who registers for or adds a class without having met the prerequisite may be dropped from the class.

### Fine Arts Registration Requirements

In addition to individual course prerequisites, there are special registration requirements for certain courses and areas of study in the College of Fine Arts.

### Sarah and Ernest Butler School of Music

- A student with transferred college credit in music theory must take a diagnostic examination in music theory. The results of the examination determine the level of music theory for which the student is advised to register.
- Before beginning upper-division coursework in the major instrument, students majoring in music performance (including those pursuing the pedagogy option) must pass a full faculty jury examination in the major instrument and must be admitted to upper-division standing in that instrument.
- Before beginning upper-division coursework in the major area, a student majoring in composition or music studies must obtain the approval of a designated committee composed of faculty members from that major.
- Fulfillment of the music performance requirement signifies the attainment of a given level of artistic performance, rather than the completion of a specific number of semester hours of credit. At the discretion of the faculty, a student may be required to repeat any course in music performance; in such a case, the course may be repeated for credit. No music performance requirement is fulfilled unless approval of the faculty has been obtained.
- A student in a degree other than music studies or the Bachelor of Arts in Music degree, whose degree plan requires a piano proficiency of Music 210K, must continue with group piano classes in consecutive semesters until the requirement is fulfilled. The student may not enroll in private instruction until the Music 210K proficiency has been completed. A student in music studies, whose degree plan requires piano proficiency demonstrated in Music 201F



(Piano for Teachers), must successfully complete Music 201F before being admitted to upper-division coursework in music studies. Students in the Bachelor of Arts in Music degree program must successfully complete the piano proficiency of Music 201N.

## Department of Theatre and Dance

A student must enroll in an appropriate production or performance laboratory course, under the supervision of a Department of Theatre and Dance faculty member, in any semester he or she wishes to participate in a production sponsored by the department. A student majoring in the Department of Theatre and Dance must consult his or her advisor to determine the appropriate course. Nonmajors who wish to enroll in production or performance laboratory courses must consult the undergraduate advising office of the department.

## Academic Policies and Procedures

### Academic Standards

#### Class Attendance and Absences

Regular and punctual attendance is required at all classes, laboratories, practice hours, and other activities for which the student is registered.

Absences from scheduled practice hours, rehearsals, and laboratories will be excused only for serious and substantiated reasons, and the final grade in the course may be lowered for unexcused absence. Absence from a theatre, dance, or music rehearsal, crew meeting, or performance may be deemed sufficient reason for giving the student a grade of *F* for the semester's work in the course concerned.

If an instructor indicates that a student has fallen below a passing grade in a course because of excessive absences, the dean, upon written recommendation of the instructor, may drop the student from that course and assign a grade of *F* for the semester.

### Special Regulations of the College

#### Portable Computing Devices

Undergraduate majors in the Department of Art and Art History and the School of Design and Creative Technologies must provide their own portable computing devices and software suitable for use in the classroom and for completing course assignments. Information about specific technical requirements is available from the departmental undergraduate advising office.

#### Studio Courses

Students retain copyright to all two-dimensional, three-dimensional, time-based, and electronic artwork created in the Department of Art and Art History; they grant a nonexclusive license to exhibit, display, reproduce, perform, or adapt these works at the discretion of the faculty. Works left in any departmental facility at the end of any semester or summer session may be removed or destroyed at the discretion of the faculty.

#### Design and Arts and Entertainment Technologies Courses

Students retain copyright to all two-dimensional, three-dimensional, time-based, digital, and electronic artwork created in the School of Design and Creative Technologies; they grant a nonexclusive license to exhibit, display, reproduce, perform, or adapt these works at the discretion of the faculty. Works left in any departmental facility at the end of any semester or summer session may be removed or destroyed at the discretion of the faculty.

## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in the [General Information Catalog](#).

### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the [General Information Catalog](#).

### Special Honors in Art History

The Honors Program in Art History gives undergraduate art history majors an opportunity to undertake an advanced research and writing project under the supervision of an art history faculty member. The notation "Special Honors in Art History" appears on the transcript of each graduate who completes all of the requirements of this program.

#### Admission to the Program

The honors program is available to qualified art history majors pursuing the degree of Bachelor of Arts with a major in Art History at The University of Texas at Austin. In the second semester of the student's junior year, during registration for the first semester of the student's senior year, an interested art history major should apply to the honors advisor for admission to the program. The criteria for admission are:

- a. Completion of at least 90 semester hours of coursework by the end of the junior year.
- b. Completion of at least 15 semester hours in art history. If the hours in art history were not earned at the University, admission is at the discretion of the honors advisor.
- c. A university grade point average of at least 3.00.
- d. A grade point average of at least 3.50 in all upper-division art history courses taken in residence required for the major.
- e. Completion of Art History 375, *Theories and Methods in the History of Art* with a grade of at least *B* before beginning the second semester honors course, ARH 379H.
- f. Selection and consent of a thesis advisor who is an art history faculty member or faculty affiliate.
- g. Completion of the Honors approval form by the 12<sup>th</sup> day of classes in the penultimate and final semesters of the thesis year. This document should include a brief one paragraph description of the thesis project and signed approval by the thesis advisor. This project may be developed in ARH 375, ARH 376 (independent tutorial course), or any other upper division art history course with a substantial writing component. The student must earn a grade of at least *B* in any one of these courses to be eligible to take ARH 379H. ARH 376 may be counted toward the degree as elective art history credit.

### Graduation with Special Honors in Art History

To complete the program, students must meet the following requirements by the end of the semester in which they graduate.

1. Graduation as an art history major.
2. Completion of at least 60 semester hours of coursework counted toward the degree in residence at The University of Texas at Austin.

3. A university grade point average of at least 3.00.
  4. A grade point average of at least 3.50 in all upper-division art history courses taken in residence required for the major.
  5. Completion of Art History 375, *Theories and Methods in the History of Art* with a grade of at least *B* before beginning the second semester honors course, ARH 379H.
  6. Selection and consent of a thesis advisor who is an art history faculty member or faculty affiliate.
  7. Completion of the approval form by the 12<sup>th</sup> day of classes in the penultimate and final semesters of the thesis year. This document should include a brief one paragraph description of the thesis project and signed approval by the thesis advisor.
  8. Completion of Art History 379H with a grade of *A*. This conference course, in which the student researches and writes a thesis previously developed in ARH 375, 376, or any other upper-division art history course with a substantial writing component, may not be counted toward the minimum number of hours of art history required for the degree.
  9. Participation in the Undergraduate Art History Symposium or Honors Colloquium during the semester in which the thesis is completed.
  10. Approval of the completed thesis by the thesis advisor.
  11. Submission of an electronic copy of the final thesis, formatted according to the template guidelines posted on the Art History Honors Canvas page, to the thesis advisor, the honors advisor, and to TexasScholarWorks. Students who intend for their thesis to satisfy Honors requirements for other departments and programs, including Plan II and Humanities Honors, must also consult the formatting guidelines for these programs and departments as well.
- a. Graduation from the arts and entertainment technologies program.
  - b. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree.
  - c. A university grade point average of at least 3.50.
  - d. A grade point average of at least 3.60 in all arts and entertainment technologies courses taken at the University.
  - e. Completion of Arts and Entertainment Technologies 170, *Research Methods Proseminar*.
  - f. Approval of the honors advisor or a designate.
  - g. Completion of Arts and Entertainment Technologies 378H, *Honors Senior Thesis* with a grade of *A*. This conference course, in which the student researches and produces a thesis, may not be counted toward the minimum number of hours of AET required for the degree.
  - h. Completion of one of the following courses with a grade of *A*:
    - i. Arts and Entertainment Technologies 372
    - ii. Arts and Entertainment Technologies 373
    - iii. Arts and Entertainment Technologies 376
    - iv. Arts and Entertainment Technologies 377

## Special Honors in Theatre and Dance

The Honors Program in Theatre and Dance gives outstanding theatre and dance majors an opportunity to undertake an advanced research and writing project under the supervision of a faculty member. The notation "Special Honors in Theatre and Dance" appears on the transcript of each graduate who completes the program.

### Admission to the Program

The honors program is available to qualified theatre and dance majors pursuing the degree of Bachelor of Arts in Theatre and Dance. At the beginning of the junior year, an interested theatre and dance major should apply to the honors advisor for admission to the program. The criteria for admission are:

- a. Completion of at least 60 semester hours of college credit.
- b. A university grade point average of at least 3.30.
- c. A grade point average of at least 3.60 in all theatre and dance courses attempted in residence.
- d. Completion of at least 15 semester hours in theatre and dance. If the hours in theatre and dance were not earned at the University, admission is at the discretion of the head of the Theatre and Dance Honors program or a designate.
- e. Approval of the head of the Theatre and Dance Honors program or a designate, who is responsible for maintaining the high standards for admission to and completion of the program.

### Graduation with Special Honors in Theatre and Dance

To complete the program, students must meet the following requirements by the end of the semester in which they graduate.

- a. Graduation as a theatre and dance major.
- b. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree.
- c. A university grade point average of at least 3.30.
- d. A grade point average of at least 3.60 in all theatre and dance courses taken at the University.
- e. Completion of Theatre and Dance 375H with a grade of at least *B*.
- f. Approval of the head of the Theatre and Dance Honors program or a designate.
- g. Completion of Theatre and Dance 379H with a grade of *A*. This is a conference course, in which the student researches and produces a

For more information about the program and how to apply, students may consult the departmental undergraduate advising office.

## Special Honors in Arts and Entertainment Technologies

The Honors Program in Arts and Entertainment Technologies gives outstanding arts and entertainment technologies students an opportunity to undertake an advanced research and writing project under the supervision of a faculty member. The notation "Special Honors in Arts and Entertainment Technologies" appears on the transcript of each graduate who completes the program.

### Admission to the Program

The honors program is available to qualified students pursuing the degree of Bachelor of Science in Arts and Entertainment Technologies. At the beginning of the junior year, an interested arts and entertainment technologies student should apply to the honors advisor for admission to the program. The criteria for admission are:

- a. Completion of at least 60 semester hours of college credit.
- b. A university grade point average of at least 3.50.
- c. Completion of Arts and Entertainment Technologies 304 with a grade of at least *A-*.
- d. Completion of Arts and Entertainment Technologies 310 with a grade of at least *A-*.
- e. Approval of the honors advisor, who is responsible for maintaining the high standards for admission to and completion of the program.

### Graduation with Special Honors in Arts and Entertainment Technologies

To complete the program, students must meet the following requirements by the end of the semester in which they graduate.

thesis. To enroll in Theatre and Dance 379H, the student must have the consent of the head of the Theatre and Dance Honors program or a designate. Consent is based on a written prospectus for the student's honors thesis and a letter of support from the theatre and dance faculty member who will supervise the thesis. The prospectus and the letter of support must be submitted to the head of the Theatre and Dance Honors program or a designate by the end of the semester preceding the semester in which the student plans to take Theatre and Dance 379H. The student may develop the honors project and prepare the prospectus either in Theatre and Dance 376H or in another theatre and dance course:

- i. With the approval of the head of the Theatre and Dance Honors program or a designate, the student must complete the independent study course Theatre and Dance 376H with a theatre and dance faculty member who agrees to supervise the student's work. Theatre and Dance 376H may be counted toward the degree as elective theatre and dance credit. The student must earn a grade of at least *B* in order to progress to Theatre and Dance 379H.
  - ii. The student may also base the prospectus on a project undertaken in another theatre and dance course in which he or she earned a grade of at least *B*.
- h. Submission of a departmental honors degree audit application to the Office of the Dean of the College of Fine Arts. This degree audit application may be submitted when the student is admitted to the honors program; it must be on file when the student applies for graduation. Failure to meet this requirement will preclude graduation with special honors in theatre and dance.

## Recognition in Music Performance

This recognition is offered to encourage undergraduate music students who are not music performance majors to pursue the intensive study of their instrument beyond the minimum requirements for their degree.

### Eligibility

To apply for a Recognition in Music Performance, a student must be enrolled as an undergraduate music major pursuing the Bachelor of Music degree or the Bachelor of Arts in Music degree. He or she must be enrolled in principal instrument course 260.

### Procedure

A student who meets the eligibility criteria must submit a petition to the appropriate music performance jury for permission to audition before the Butler School of Music faculty—that is, to perform at a full faculty jury examination. This petition may be submitted during any semester in which the student is enrolled in principal instrument course 260. Ordinarily, the student may not audition for the full faculty before the conclusion of his or her second semester of principal instrument course 260. If the petition is approved, the student may audition at a full faculty jury examination.

If the student obtains approval at the full faculty jury examination, then he or she must present a recognition recital during the following academic year. The student may also enroll in Music 420R rather than principal instrument course 260 for the semester in which the recognition recital is to be given. A recognition recital must be equivalent to the junior recital required of a performance major and must offer a repertoire equivalent to that of an upper-division performance major. The recital is heard by the faculty of the student's principal instrument, who vote to approve or disapprove the granting of Recognition in Music Performance. If approval is given by the division faculty, the recognition is issued by the Butler School and signed by both the student's music performance instructor and the director of the school.

## Graduation

### Special Requirements of the College

All students must fulfill the [general requirements](#) (p. 20) for graduation. Students in the College of Fine Arts must also fulfill the following requirements.

### Residence

See the University-wide [general requirements](#) (p. 20) on coursework to be taken in residence. Unless an exception is approved by the advisor and the dean, a student in the College of Fine Arts must also complete in residence the last 18 semester hours in the major subject that are counted toward the degree.

### Grade Point Average

All University students must have a grade point average of at least 2.00 to graduate. In addition, students in the following majors must meet special grade point requirements.

### Studio Art

A student majoring in studio art must have a grade point average of at least 2.50 for all upper-division studio art courses taken in residence at the University.

### Art History

A student majoring in art history must have a grade point average of at least 2.50 for all upper-division art history courses taken in residence at the University.

### Design

A student majoring in design must maintain a cumulative grade point average of at least 2.50 for all upper-division design courses taken in residence at the University.

### Bachelor of Arts in Music

A student pursuing the Bachelor of Arts in Music must have a grade point average of at least 2.50 in all upper-division courses in the Butler School of Music (excluding ensemble) taken in residence at the University.

### Bachelor of Arts in Theatre and Dance

A student pursuing the Bachelor of Arts in Theatre and Dance must have a grade point average of at least 2.50 in all upper-division courses in the Department of Theatre and Dance.

## Butler School of Music Special Requirements

### Ensemble Requirement

Ensembles that may be used to fulfill the following requirements are designated by the Butler School. For information, the student should contact the undergraduate advisor of the school. A student may enroll in more than one ensemble in a semester, but no more than one ensemble a semester may be used to fulfill this requirement.

### Bachelor of Music

Students seeking the Bachelor of Music other than music studies must complete at least eight long-session semesters of approved ensemble in residence. Transfer students must complete an approved ensemble each long-session semester in residence until they have met the ensemble requirement or until they graduate, whichever comes first. A transfer student may count toward this requirement two semesters of transferred ensemble approved by the Butler School.

Students majoring in music studies must complete at least six long-session semesters of approved ensemble in residence.

### **Bachelor of Arts in Music**

Students seeking this degree must complete at least four long-session semesters of ensemble approved by the Butler School in residence. Transfer students must complete an approved ensemble each long-session semester in residence until they have completed four semesters of ensemble or until they graduate, whichever comes first. A transfer student may count toward this requirement one semester of transferred ensemble approved by the Butler School.

### **Recital Requirement for Music Studies Majors**

Before the end of his or her last semester of study on the principal instrument, a music studies major must present a recital. This recital may be either a community performance approved by the music studies faculty and the student's instructor in the principal instrument, or the recital required for [Recognition in Music Performance](#) (p. 216) approved by a full faculty jury.

### **Degree Audit**

Official degree audits are reviewed by the Office of Student Affairs for students with a major in the College of Fine Arts. If a student changes his or her catalog, principle instrument, major, or any degree option that affects the requirements of his or her degree program, a new official degree audit will be generated and reviewed.

The official degree audit provides an accurate statement of the requirements, but the student is responsible for meeting all deadlines, knowing the requirements, and registering for courses that fulfill all the requirements for the degree as stated in a catalog under which he or she is entitled to graduate. Before registering, the student should seek an official ruling from the Office of Student Affairs if in doubt about any requirement.

### **Applying for Graduation**

In the semester or summer session in which the degree is to be conferred, the candidate must be registered at the University and must file a graduation application with the Office of Student Affairs. This should be done at the beginning of the semester in which the student intends to graduate; it must be done by the deadline to apply for an undergraduate degree, which is given in the official academic calendar. No degree will be conferred unless the graduation application has been filed on time.

An official degree audit must be on file when the student submits the graduation application. Because the application process includes a review of all remaining degree requirements, candidates for graduation are encouraged to apply as early in the semester as possible. A student who applies for graduation but does not receive the degree must submit a new application in the semester he or she subsequently intends to graduate.

The student must be registered at the University for the semester or summer session in which the degree is to be granted. This requirement may be fulfilled by registering for courses in residence or by registering in absentia. For information about registration in absentia, the student should consult the Office of Student Affairs during the semester in which he or she intends to graduate.

Credit received by examination, correspondence, or transfer does not fulfill any residence requirements. Students planning to receive credit by any of these means must consult the Office of Student Affairs for a ruling about whether the credit may be applied toward the degree and

for information about the procedures and deadlines involving credit by examination, correspondence, and transfer.

No degree will be conferred unless all requirements have been fulfilled and all deadlines met.

## **Degrees and Programs**

### **Degrees Offered**

The College of Fine Arts offers a wide variety of degree programs. For undergraduate students who seek professional training in the arts or who feel the need for intensive training in their chosen art, the college offers the degrees of Bachelor of Fine Arts, Bachelor of Music, and Bachelor of Science in Arts and Entertainment Technologies. These degrees require that approximately two-thirds of the coursework be completed in the major area.

The student who wants a broad education with an emphasis in the arts may pursue the degree of Bachelor of Arts, Bachelor of Arts in Music, or Bachelor of Arts in Theatre and Dance. These degrees require that approximately a third of the coursework be completed in the major area.

### **Department of Art and Art History**

The Department of Art and Art History offers academic programs in art education, art history, and studio art.

#### **Art Education**

Art educators believe art is an essential component of a comprehensive education. The art education program prepares students to serve as teaching artists in schools and community settings. Comprehensive coursework ranges from grounding in the field (its philosophical, historical and social contexts), current art education trends (visual/material culture art education, social justice art education, multicultural art education, discipline-based art education), content knowledge (age appropriate art making skills, art criticism, aesthetics, educational philosophy, educational technology, ethical decision making) and pedagogical strategies (curriculum writing, teaching strategies, standards and evaluation). Field observations and practical classroom teaching in community and school environments are required of all students in the program. Coursework meets state requirements for teacher certification in all-level art (early childhood through grade 12).

#### **Art History**

Art history is a discipline that works to deepen and expand our understanding of art and visual expression from a variety of perspectives, from an initial context of making and reception to an ensuing circulation, including collection and display. Students in art history become proficient in visual and cultural analyses, core components of critical thinking and writing, as well as historical interpretation. The art history program is among the nation's largest and most distinguished, with over 20 full-time faculty who are leading scholars in their respective fields and represent a diversity of critical and methodological outlooks. Our objects of inquiry include all media, historical periods, and geographical areas: from sculpture to digital art, from pre-history to the present, and from every part of the world.

#### **Studio Art**

The studio art program prepares students interested in contemporary art with a solid foundation of technical, critical, and professional skills necessary to bring their ideas to physical/sensory form and eventually find a path to public dissemination. Through production, critique, readings, and exhibition, students become conversant with diverse histories and theoretical models of art making influencing the field today.

Studio instruction encompasses drawing and painting (contemporary and historical practices), photography and media (black/white darkroom, digital, still and moving image), print (intaglio, lithography, serigraphy), sculpture and extended media (casting, hot and cold fabrication, digital fabrication, installation), and transmedia (digital-time art, video art, performance art).

Studio students' experiences in the classroom are enhanced by the University's extensive resources for art research, including the Fine Arts Library, the Blanton Museum of Art, the Perry-Castañeda Library, and specialized collections such as the Harry Ransom Center, the Classics Library, the Architecture and Planning Library, the Benson Latin American Collection, Landmarks, and the University Co-op Materials Lab.

## Programs of Study

Programs of study leading to the following undergraduate degrees are offered in the Department of Art and Art History:

- Bachelor of Arts
  - *Art history*
  - *Studio art*
- Bachelor of Fine Arts
  - *Studio art*
  - *Art education*
    - Students who plan to pursue certification to teach art in Texas public schools should follow the art education (AED) program.

## School of Design and Creative Technologies

The School of Design and Creative Technologies offers academic programs in design and arts and entertainment technologies.

### Design

The undergraduate design program empowers students with a rich, multi-faceted educational experience that poises graduates for careers in the design professions or entrepreneurial endeavors. Design is about solving a problem and creating new processes, products, and services for people. It is human-centered; the end-user's needs, wants, and limitations are explored at all stages within the design process and development lifecycle.

Students enjoy the extensive offerings of one of the world's great public universities, while receiving individualized instruction from expert, passionate faculty and local industry professionals in small cohorts. Students immerse themselves in various aspects of design and learn to create graphics, objects, interactions, systems, and services.

### Arts and Entertainment Technologies

Arts and Entertainment Technologies is focused on professional practice in immersive media, experience design, and interactive systems. Faculty noted for their professional excellence and experience teach a diverse set of courses in design and technology. Students work with faculty and each other to produce state-of-the-art content in an interdisciplinary academic setting aligned with the missions of both the College of Fine Arts and The University of Texas.

Coursework is centered around design methods, coding, game development, real-time graphics, sound design, simulation, collaboration, emerging technology, storytelling, and interconnected modes of production and distribution. Through this curriculum, students are prepared for careers in the fields of real-time technology, mixed reality, and immersive media which are powering new forms of design, education, and business.

## Programs of Study

Programs of study leading to the following undergraduate degrees are offered in the School of Design and Creative Technologies:

- Bachelor of Arts
  - *Design*
- Bachelor of Fine Arts
  - *Design*
- Bachelor of Science in Arts and Entertainment Technologies
  - *Arts and entertainment technologies*

## Sarah and Ernest Butler School of Music

Through professional education of the highest caliber, the Butler School of Music prepares students for productive careers as performers, teachers, composers, and scholars, and for satisfying lives as informed and responsible members of a democratic society. In accordance with the University's mission, the School also seeks to extend the boundaries of knowledge and human experience through research and the creation of new music.

Housed in two connected buildings, the physical facilities of the Butler School include performance spaces in the 700-seat Bates Recital Hall with its world-renowned Visser-Rowland pipe organ, Jessen Auditorium, the Recital Studio, and McCullough Theatre. For special events, the school collaborates with Texas Performing Arts for performances in Bass Concert Hall. Other facilities include well-equipped classrooms and faculty studios/offices, multiple large and small rehearsal halls, electronic music studios, recording studios, 130 practice rooms and modules (including dedicated rooms for organ, harp, and percussion), a technology lab, chamber music rooms, two digital keyboard labs, and 250 well-maintained pianos. Also available to music students are libraries including manuscripts, rare editions, and performance collections; a Medieval and Renaissance instrument collection; a Javanese gamelan, and a Music Learning Laboratory.

## Programs of Study

Programs of study leading to the following undergraduate degrees are offered in the Butler School of Music:

- Bachelor of Arts in Music
  - *Emphasis in Music*
  - *Emphasis in Composition*
- Bachelor of Music
  - *Composition*
  - *Jazz*
    - *Concentration in Performance*: double bass, drum set, guitar, piano, saxophone, trombone, and trumpet
    - *Concentration in Composition*: double bass, drum set, guitar, piano, saxophone, trombone, and trumpet
  - *Performance*: voice, piano, organ, harp, harpsichord, and orchestral instruments
  - *Music studies*
    - Students who plan to pursue certification to teach music in Texas public schools should follow the Music Studies program.

## Courses

The University of Texas at Austin is an institutional member of the National Association of Schools of Music, approved for both its undergraduate and its graduate degrees in music. The requirements for entrance and for graduation given in this catalog are in accordance with the published regulations of the association.

## Areas of Study

The College of Fine Arts offers courses in several areas of music. The undergraduate courses available in music performance, music literature, music studies, and music theory are listed below and with complete descriptions in the *General Information Catalog*.

### Music Performance

Some of the following courses may be repeated for credit on the recommendation of the appropriate music performance jury.

Music 201J, *Beginning Class Piano for Nonmusic Majors*  
Music 201K, *Second-Semester Class Piano for Nonmusic Majors*  
Music 201M, *Beginning Music Performance: Class Piano*  
Music 201N, *Beginning Music Performance: Second-Semester Class Piano*  
Music 201S, *Beginning Music Performance: Class Harp*  
Music 201T, *Beginning Music Performance: Second-Semester Class Harp*  
Music 210J, *Beginning Instruction in Music Performance: Third-Semester Class Piano*  
Music 210K, *Beginning Instruction in Music Performance: Fourth-Semester Class Piano*  
Music 111E, *English Diction and Phonetic Translation*  
Music 311F, *French for Musicians*  
Music 311G, *German for Musicians*  
Music 311J, *Italian for Musicians*  
Music 115T, *Lower-Division Reed Making*  
Music 420J, *Junior Jazz Recital*  
Music 420R, *Junior Recital*  
Music 222J, *Instrumental Conducting*  
Music 222K, *Instrumental Conducting*  
Music 223J, *Choral Conducting*  
Music 223K, *Choral Conducting*  
Music 159J, *Harp Repertoire*  
Music 259L, *Vocal Repertoire Coaching*  
Music 259N, *Chamber Music: Strings and Piano*  
Music 259T, *Topics in Instrumental Technology*  
Music 160C, *Senior Composition Recital*  
Music 460J, *Senior Jazz Recital*  
Music 460R, *Senior Recital*  
Music 366P, *Senior Piano Pedagogy Project*  
Music 176C, Music 276C, Music 376C, *Special Topics in Music Performance*  
Music 178C, Music 278C, Music 378C, *Independent Study: Music Performance*

### Music Literature

Music 302L, *An Introduction to Western Music*  
Music 302P, *Introductory Topics in Western Music*  
Music 303M, *Introduction to Music in World Cultures*  
Music 303N, *Introduction to Popular Music in World Cultures*  
Music 303P, *Topics in Music of World Cultures*  
Music 307, *Topics in Popular Music*  
Music 313M, *History of Music I*  
Music 313N, *History of Music II*  
Music 330L, *History of Music III*  
Music 334, *The Music of the Americas*  
Music 337, *Music and Film Sound*  
Music 338, *Masterpieces of Music*  
Music 342, *Area Studies in Ethnomusicology*  
Music 343J, *History of Jazz*  
Music 376G, *Special Topics in Music Literature*  
Music 178G, Music 278G, Music 378G, *Independent Study: Music Literature*

Music 379K, *Advanced Topics in Music Literature*

### Music Studies

Music 115D, *String Instrument Fundamentals*  
Music 115E, *Brass Instrument Fundamentals*  
Music 115F, *Woodwind Instrument Fundamentals*  
Music 115G, *Guitar Fundamentals*  
Music 354, *Musical Development of Children*  
Music 354C, *Children's Music Literature and Performance I*  
Music 354D, *Children's Music Literature and Performance II*  
Music 354F, *Music Performance, Listening, and Appreciation*  
Music 155C, *Techniques of Percussion Performance*  
Music 255D, *Techniques of String Performance*  
Music 255E, *Techniques of Brass Performance*  
Music 255F, *Techniques of Woodwind Performance*  
Music 255M, *Marching Band Techniques*  
Music 255V, *Techniques of Vocal Performance*  
Music 356G, *Choral Ensemble Literature and Performance*  
Music 356J, *Instrumental Ensemble Literature and Performance*  
Music 176M, *Special Topics in Music Studies*  
Music 178M, Music 278M, Music 378M, *Independent Study: Music Studies*

### Music Theory

Music 605, *Musicianship*  
Music 411, *Ear Training and Sight-Singing*  
Music 612, *Structure of Tonal Music*  
Music 214C, *Beginning Composition*  
Music 218J, *Beginning Jazz Improvisation*  
Music 321J, *Twentieth-Century Musical Analysis*  
Music 223, *Jazz Improvisation I*  
Music 224G, *Intermediate Composition*  
Music 224J, *Advanced Composition*  
Music 325L, *Counterpoint*  
Music 325M, *Counterpoint*  
Music 226G, *Orchestration and Arranging*  
Music 226J, *Orchestration and Instrumentation*  
Music 226K, *Orchestration and Instrumentation*  
Music 226N, *Choral Arranging*  
Music 228C, *Jazz Harmony in Practice I*  
Music 228D, *Jazz Harmony in Practice II*  
Music 228P, *Jazz Composition*  
Music 329E, *Introduction to Electronic Media*  
Music 329F, *Projects in Electronic Media*  
Music 329G, *Intermediate Electronic Composition*  
Music 329J, *Introduction to Computer Music*  
Music 329M, *Intermediate Computer Music*  
Music 246, *Jazz Piano Techniques I*  
Music 348, *Studio Arranging I*  
Music 164L, *Advanced Ear Training*  
Music 368L, *Review of Music Theory*  
Music 376J, *Special Topics in Music Theory*  
Music 178J, Music 278J, Music 378J, *Independent Study: Music Theory*

The abbreviations used for performance courses are included in Appendix B.

## Department of Theatre and Dance

The Department of Theatre and Dance affords students opportunities for scholarship and practice in all the principal areas of theatre and dance. Students may choose programs of study leading to a variety of academic

and professional goals, including teacher certification in both theatre and dance.

The facilities of the department are among the best available to university programs in the United States. In addition to the performance areas, studios, and shops of Texas Performing Arts, the department has the B. Iden Payne Theatre, the Oscar Brockett Theatre (a flexible space black box theater), a 100-seat laboratory theater, two workshop performance spaces, an extensive costume collection, five dance studios, a drafting studio, a design studio, as well as numerous classrooms and rehearsal studios in the F. Loren Winship Drama Building. Of special interest to students pursuing theatre research is the Performing Arts Collection, housed in the Harry Ransom Humanities Research Center, which contains one of the world's most important collections of theatre material.

## Programs of Study

Programs of study leading to the following undergraduate degrees are offered in the Department of Theatre and Dance:

- Bachelor of Arts in Theatre and Dance
  - *Theatre and dance*
- Bachelor of Fine Arts
  - *Acting*
  - *Dance*
    - Students who plan to pursue certification to teach dance in Texas public schools should follow the dance education option under the dance program.
  - *Theatre education*
    - Students who plan to pursue certification to teach theatre arts in Texas public schools should follow the theatre education program.

## Courses

Registration with a member of the department faculty is required of students planning to major in the Department of Theatre and Dance and of those enrolling in courses that require faculty permission.

All students majoring in the department are required to participate in the production process in some form (performance, technical crew, creative teams, etc.) as scheduled by the faculty of the department.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity courses (PED) are offered by the Department of Kinesiology and Health Education. A limited number of these courses may be counted as electives toward degrees in the College of Fine Arts, but only at the discretion of the dean. All physical activity courses are counted among courses for which the student is enrolled, and the grades are included in the grade point average. For further information, contact the Office of Student Affairs.

### Bible Courses

Bible courses may be counted as lower-division electives in College of Fine Arts degree programs that have room for such electives. No more than 12 semester hours of such work may be counted toward any degree offered by the University.

### Courses Taken on the Pass/Fail Basis

Regulations concerning courses taken on the pass/fail basis are given in [General Information](#). For most degree programs in the College of Fine Arts, a very limited and restricted amount of coursework may be taken on the pass/fail basis. To be assured that a course taken on this basis

will apply to the degree, the student must consult the Office of Student Affairs before enrolling in the course.

## Credit by Examination, Correspondence, and Transfer

Credit that a student in residence earns by examination, correspondence, or extension will not be counted toward a degree in the College of Fine Arts unless specifically approved in advance by the Office of Student Affairs.

Credit that the student earns at another institution while enrolled in residence at the University should also seek a ruling from the Office of Student Affairs as to whether the credit may be applied toward a degree and for information about procedures and deadlines. This ruling should be obtained before registering for the coursework.

A student planning to take coursework at another institution while not enrolled in residence at the University should also seek a ruling via the policies detailed above.

No more than 10 percent of the semester hours required for any degree offered in the College of Fine Arts may be completed by correspondence.

## UTeach-Fine Arts Teacher Certification

To be recommended for a certificate to teach in Texas public schools, an undergraduate or graduate student must complete a University of Texas at Austin [approved program for teacher preparation](#) (p. 18). The University maintains approved programs for art, theatre, dance, and music. Students interested in one of these teaching areas ordinarily pursue the degree program in fine arts education: [art education](#) (p. ), [theatre education](#) (p. ), [dance](#) (p. ), or [music studies](#) (p. ). Students seeking teacher certification must be approved by the College of Education for the Professional Development Sequence (PDS) and must complete additional state exams and fingerprinting requirements. See State Board for Educator Certification (SBE) at <http://www.tea.texas.gov> for details. Field observations and practical classroom teaching in community and school environments are required of all students in the program. Coursework meets the state requirements for teacher certification in all-level (early childhood through grade 12) art, music, or theatre and in secondary (grades six through 12) dance.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Professional Development Sequence

### For those seeking all-level teacher certification for art:

Requirements	Hours	
EDC 331S	School Organization and Classroom Management in Secondary Schools	3
EDC 332S	Designs for Instruction	3
EDC 370S	Secondary School Subjects	3
EDC 951W	All Level Teaching Practicum (Topic 2)	9
PSY 301	Introduction to Psychology	3
ALD 322	Individual Differences	3
Three credit hours in human development chosen from the following:		3
PSY 304	Introduction to Child Psychology	

PSY 309	Personality
HDF 313 & HDF 113L	Child Development and Child Development Laboratory
EDP 350G	Adolescent Development

### For those seeking all-level teacher certification for theatre:

Requirements	Hours
EDC 331S	School Organization and Classroom Management in Secondary Schools 3
EDC 332S	Designs for Instruction 3
EDC 370S	Secondary School Subjects 3
EDC 951W	All Level Teaching Practicum (Topic 1) 9
PSY 301	Introduction to Psychology 3
ALD 322	Individual Differences 3
Three credit hours in human development chosen from the following:	3
PSY 304	Introduction to Child Psychology
PSY 309	Personality
HDF 313 & HDF 113L	Child Development and Child Development Laboratory
EDP 350G	Adolescent Development

### For those seeking secondary teacher certification for dance:

Requirements	Hours
EDC 331S	School Organization and Classroom Management in Secondary Schools 3
EDC 332S	Designs for Instruction 3
EDC 370S	Secondary School Subjects 3
EDC 951W	All Level Teaching Practicum (Topic 3) 9
PSY 301	Introduction to Psychology 3
ALD 322	Individual Differences 3
Three credit hours in human development chosen from the following:	3
PSY 304	Introduction to Child Psychology
PSY 309	Personality
HDF 313 & HDF 113L	Child Development and Child Development Laboratory
EDP 350G	Adolescent Development

### For those seeking all-level teacher certification for music:

Requirements	Hours
EDC 331S	School Organization and Classroom Management in Secondary Schools 3
EDC 332S	Designs for Instruction 3
EDC 370S	Secondary School Subjects 3
EDC 951W	All Level Teaching Practicum (Topic 4) 9
PSY 301	Introduction to Psychology 3
MUS 354C	Children's Music Literature and Performance I 3
Three credit hours in human development chosen from the following:	3

PSY 304	Introduction to Child Psychology
PSY 309	Personality
HDF 313 & HDF 113L	Child Development and Child Development Laboratory
EDP 350G	Adolescent Development

## Bachelor of Fine Arts

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. *Please note, students may not earn the cultural diversity and global cultures flags from the same course.* Students are encouraged to discuss options with a departmental academic advisor.

### Studio Art Major

#### Major Requirements

- Studio art: 60 semester hours, consisting of
  - Studio Art 311C, 312C, 313C, and 314C
  - Twelve semester hours of lower-division Studio Art courses, consisting of three hours from four of the following five areas:
    - Transmedia
    - Photography
    - Print
    - Painting and drawing
    - Sculpture
  - Thirty-three additional semester hours of studio art, of which at least 21 hours must be upper-division
  - Studio Art 350P
- Art history: 12 semester hours, consisting of
  - Art History 302 and 303
  - Six semester hours of upper-division coursework in art history, three semester hours of which may also be counted toward the visual and performing arts requirement of the core curriculum

### Electives

Six semester hours chosen from courses either within or outside the Department of Art and Art History. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

### Total Minimum Requirements

For the BFA with a major in studio art: 120 semester hours as outlined above.



## Design Major

### Major Requirements

- a. Design courses: 38 semester hours, consisting of
  - i. Design 304, 305, and 6 additional semester hours of lower-division DES coursework
  - ii. Internship: Design 360 or a combination of Design 260 and 160I
  - iii. Design 374 with a grade of at least C-
  - iv. Design 375 with a grade of at least C-
  - v. Seventeen additional semester hours of upper-division courses in design. Design 336 and 337 may not be counted.
- b. Supportive courses in design, related technologies, and the visual arts: 15 semester hours of approved supportive courses in Design (DES) or related fields. The School of Design and Creative Technologies' advising office maintains a list of pre-approved supportive courses
- c. Art/design history/theory/criticism courses: 12 semester hours consisting of
  - i. Art History 303
  - ii. Design 308
  - iii. Design 336 or 337 (Topic 1: History of Graphic Design)
  - iv. Three additional semester hours of courses in Art History or approved art/design history/theory/criticism courses in related fields. The School of Design and Creative Technologies' advising office maintains a list of pre-approved supportive courses
- d. Performance review: Design 131. A design major must register for the performance review course during the second semester of sophomore year, and present a portfolio of his or her works for review by designated design faculty at the end of the semester. The works to be included for review are specified by the design faculty. In order to enroll in courses numbered Design 340 or higher, the student must pass this performance review.

Several of the courses which may be used to complete requirement 3 are also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

### Electives

Twelve semester hours chosen from courses either within or outside the School of Design and Creative Technologies. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

### Total Minimum Requirements

For the BFA with a major in design: 120 semester hours as outlined above.

### Art Education Major

The major in art education is a preprofessional academic program recommended for students seeking all-level (early childhood through grade 12) teacher certification in art or planning to pursue undergraduate or graduate training for visual art careers in community art programs. Students seeking teacher certification must adhere to current state requirements in addition to the degree requirements described in this catalog. Students should contact the College of Education for current state certification requirements. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must

adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

### Major Requirements

- a. Studio art: 30 semester hours, consisting of
  - i. Studio Art 311C, 312C, 313C, and 314C
  - ii. Nine semester hours, consisting of three hours from each of the following three areas:
    1. Area A: Drawing, life drawing, painting
    2. Area B: Printmaking and photography
    3. Area C: Transmedia and sculpture
  - iii. Nine additional semester hours of coursework in studio art, all of which must be upper-division
- b. Art history: 12 semester hours, consisting of
  - i. Art History 302 and 303
  - ii. Six semester hours of upper-division coursework in art history, three semester hours of which may also be counted toward the visual and performing arts requirement of the core curriculum.
- c. Art education: 12 semester hours of coursework in art education
- d. 12 semester hours approved by the art education advisor.

### Professional Development in Education

Please see the [UTeach-Fine Arts](#) (p. 219) section of this catalog for more information.

### Approved Electives

Twelve semester hours of coursework approved by the art education advisor. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

### Total Minimum Requirements

For the BFA with a major in art education: 120 semester hours as outlined above.

### Theatre Education Major

The major in theatre education is a preprofessional academic program recommended for students seeking all-level teacher certification in theatre arts. Students seeking teacher certification must adhere to current state requirements in addition to the degree requirements described in this catalog. Students should contact the College of Education for current state certification requirements. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

### Major Requirements

- a. Theatre and dance core: 18 semester hours, consisting of Theatre and Dance 311C, 313C, 314M, 314Q, 317C, and 317D
- b. Theatre education emphasis: At least 33 semester hours, consisting of
  - i. Acting and directing: Theatre and Dance 313D, 316D, and 323D
  - ii. Design and technical production: six semester hours chosen from topics of Theatre and Dance 324 or 354T, including one course in two of the following three areas: costume, lighting, and scenery
  - iii. Theatre education: Theatre and Dance 326C, 326D, 326F, 326Q, and 626E

- c. Six additional upper-division semester hours of coursework in theatre and dance

Several of the courses which may be used to complete requirement 1 are also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Professional Development in Education

Please see the [UTeach-Fine Arts](#) (p. 219) section of this catalog for more information.

## Approved Electives

Twenty-four semester hours of coursework approved by the theatre education advisor. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BFA with a major in theatre education: 120 semester hours as outlined above.

## Dance Major

The option in Dance Education is a preprofessional academic program recommended for students seeking all-level teacher certification in dance. Students seeking teacher certification must adhere to current state requirements in addition to the degree requirements described in this catalog. Students should contact the College of Education for current state certification requirements. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Major Requirements

- a. Theatre and dance core: 15 semester hours, consisting of Theatre and Dance 311C, 312M, 314P, 317M, and 317N
- b. Physical Practice:
  - a. Contemporary dance technique: Nine semester hours, consisting of two semesters of Theatre and Dance 312C and one semester of 312D
  - b. Ballet technique: Nine semester hours, consisting of two semesters of Theatre and Dance 312F and one semester of 312G
- c. Creative Practice: Six semester hours, consisting of Theatre and Dance 312N and 332M
- d. Somatic Practice: Five semester hours, consisting of Theatre and Dance 212 and 352
- e. Pedagogical Practice: Theatre and Dance 332R
- f. Performance Practice: Four semester hours, consisting of Theatre and Dance 212P and 222P
- g. Option in either Dance or Dance Education:
  - a. For Option in Dance: 27 semester hours, consisting of
    - 1. Physical Practice: Theatre and Dance 312D and 312G
    - 2. Creative Practice: Theatre and Dance 332N
    - 3. Somatic Practice: Theatre and Dance 352T
    - 4. Performance Practice: Theatre and Dance 212P, 222P, and 232P
    - 5. Electives: Nine hours chosen from Theatre and Dance 321P, 322E, 322J, 232Q, 352P, 352T, or 357T
  - b. For Option in Dance Education: 27 or 28 semester hours, consisting of

- 1. Performance Practice: Theatre and Dance 222P or 232P
- 2. Academic Studies: Theatre and Dance 152P
- 3. Professional Development: Applied Learning and Development 322, Curriculum and Instruction (EDC) 332S, 331S, 370S, 951W, and one of the following:
  - a. Human Development and Family Sciences 313 and 113L
  - b. Educational Psychology 350G
  - c. Psychology 304

To fulfill the degree requirements in dance technique, the student must achieve a suitable level of proficiency and obtain the approval of the dance faculty. At the discretion of the dance faculty, a student may be required to repeat specific dance technique courses in addition to those required for the degree. Students choosing the Option in Dance must be registered for dance technique each long-session semester in residence. To continue in this degree program, the student must pass an annual evaluation by the dance faculty. Students whose progress in dance technique is judged unsatisfactory by the faculty will be dismissed from the program.

## Professional Development in Education (Dance Education option)

Please see the [UTeach-Fine Arts](#) (p. 219) section of this catalog for more information.

## Electives

Elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BFA with a major in dance: at least 120 or 121 semester hours as outlined above.

## Acting Major

### Major Requirements

- a. Theatre and dance core: 18 semester hours, consisting of Theatre and Dance 311C, 314M, 314P, 317C, 317D, and 324P
- b. Acting Emphasis: At least 48 semester hours, consisting of
  - a. Lower-division acting emphasis: Theatre and Dance 313C, 313D, 313E, 313F, 313G, 313K, 313L, 313M, and 313N
  - b. Upper-division acting emphasis: Theatre and Dance 323F, 320J, 321P or 323P, 340D, 353D, 353Q, and 353K

## Approved Electives

Twelve semester hours of approved electives within the Department of Theatre and Dance chosen from Theatre and Dance 353E, 353R, 354F, 353G, or additional upper-division semester hours in the Department of Theatre and Dance approved by the acting advisor.

## Total Minimum Requirements

For the BFA with a major in acting: at least 120 semester hours as outlined above.

## Suggested Arrangement of Courses, Acting (BFA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 313C (Major)	3	T D 313D (Major)	3	GOV 310L (Core) <sup>070</sup>	3
T D 313F (Major)	3	T D 313G (Major)	3		

# Suggested Arrangement of Courses, Art Education (BFA)

T D 314P (Major)	3	T D 314M (Major)	3		
T D 311C (Major) <sup>CD</sup> , E, Wr	3	RHE 306 (Core) <sup>010</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3		
	15		15		3

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 313E (Major)	3	T D 323F (Major)	3	(None)	
T D 313K (Major)	3	T D 313L (Major)	3		
T D 313M (Major)	3	T D 313N (Major)	3		
T D 317C (Major) <sup>050, GC</sup>	3	T D 317D (Major) <sup>050</sup>	3		
GOV 312L (Core) <sup>070</sup>	3	Writing Flag course (General Education) <sup>Wr</sup>	3		
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 320J (Major)	3	T D 353C (Major)	3	(None)	
T D 353K (Major)	3	T D 324P (Major)	3		
Social and Behavioral Science (Core) <sup>080</sup>	3	T D 321P or 323P (Major) <sup>II</sup>	3		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 353D (Major)	3	T D 353E (Elective)	3	(None)	
T D 353Q (Major)	3	T D 353R (Elective)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	T D 353T (Elective)	3		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	T D 353T or 372 (Elective)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3				
	15		12		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ART 311C (Major)	3	ART 313C (Major)	3	Study Abroad (Opportunity)	
ART 312C (Major)	3	ART 314C (Major)	3	Internship (Opportunity)	
ARH 302 (Major) <sup>050</sup>	3	ARH 303 (Major) <sup>050</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
	15		15		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ART area A/B/C courses (Major)	6	ART area A/B/C course (Major)	3	GOV 310L (Core) <sup>070</sup>	3
AED 330 (Major) <sup>Wr</sup>	3	Upper-division ART course (Major)	3	GOV 312L (Core) <sup>070</sup>	3
U.S. History (Core) <sup>060</sup>	3	AED 351C (Major)	3		
ALD 322 (Major)	3	U.S. History (Core) <sup>060</sup> Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
	15		15		6

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ART course (Major)	3	Upper-division ART course (Major)	3	Study Abroad (Opportunity)	
AED 341C (Major)	3	EDC 331S (Major)	3	Internship (Opportunity)	
PSY 304, HDF 313, or EDP 350G (General Education)	3	Upper-division ARH course (Major)	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AED 361C (Major)	3	EDC 370S (Major)	3	(None)	
EDC 332S (Major)	3	EDC 350E (Major)	3		
Upper-division ARH course (Major)	3	EDC 351S (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Maymester (Opportunity)			
Free elective (Elective)	3				
	15		9		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Dance (BFA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 312C (Major)		3 T D 312C (Major)		3 (None)	
T D 312F (Major)		3 T D 312F (Major)		3	
T D 311C (Major) <sup>CD, E, Wr</sup>		3 RHE 306 (Core) <sup>010</sup>		3	
T D 212 (Major)		2 Mathematics (Core) <sup>020</sup>		3	
T D 314P (Major)		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3			
		<b>17</b>	<b>15</b>	<b>0</b>	<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 312D (Major)		3 T D 312D (Major)		3 (None)	
T D 312G (Major)		3 T D 312G (Major)		3	
T D 312M (Major)		3 T D 312N (Major)		3	
T D 212P (Major)		2 T D 212P (Major)		2	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
		E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
		<b>14</b>	<b>17</b>	<b>0</b>	<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Advanced Theatre and Dance Technique Option (Major)		3 Advanced Theatre and Dance Technique Option (Major)		3 Study Abroad (Opportunity)	
T D 317M (Major)		3 T D 317N		3 Internship (Opportunity)	
T D 222P (Major)		2 T D 222P		2	
T D 352 (Major)		3 Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
		<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 332M (Major)		3 T D 332N (Major)		3 (None)	
T D 332R (Major)		3 History/Cultural Diversity course (Major)		3	
T D 352T (Major)		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
T D 232P (Major)		2 Writing course (Core) <sup>Wr</sup>		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
		<b>14</b>	<b>15</b>	<b>0</b>	<b>0</b>

Total credit hours: 120

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Design (BFA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
DES 304 (Major)		3 DES 305 (Major)		3 Study Abroad (Opportunity)	
Lower-division DES course (Major)		3 DES 308 (Major)		3 Internship (Opportunity)	
Lower-division DES course (Major)		3 ARH 303 (Major) <sup>050</sup>		3	
RHE 306 (Core) <sup>010</sup>		3 Mathematics (Core) <sup>020</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
		<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
DES 131 (Major)		1 DES 334 (Major)		3 Study Abroad (Opportunity)	
DES 321 (Major)		3 DES 336 or 337 (Topic 1) (Major)		3 Internship (Opportunity)	
DES 325 (Major)		3 DES or supportive course (Major)		3	
DES 326 (Major)		3 GOV 312L (Core) <sup>070</sup>		3	
GOV 310L (Core) <sup>070</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3			
		<b>16</b>	<b>15</b>	<b>0</b>	<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division DES course (Major)		3 DES 360 (Major)		3 Study Abroad (Opportunity)	
ARH or DES course in history/theory/criticism (Major)		3 Upper-division DES course (Major)		3 Internship (Opportunity)	
DES or supportive course (Major)		3 DES or supportive course (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>010</sup>		3 DES or supportive course (Major)		3	
Natural Science and Technology, Part II (Core) <sup>093</sup>		3 U.S. History (Core) <sup>060</sup>		3	
		<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
DES 374 (Major) <sup>II</sup>		3 DES 375 (Major)		3 (None)	
		<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>

DES or supportive courses (Major)	3 Free electives (Elective)	12	
U.S. History (Core) <sup>060</sup>	3 Maymester (Opportunity)		
Writing course (Core) <sup>Wr</sup>	3		
Free elective (Elective)	3		
	<b>15</b>	<b>15</b>	<b>0</b>
<b>Total credit hours: 121</b>			

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Studio Art (BFA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ART 311C (Major)	3	ART 313C (Major)	3	Study Abroad (Opportunity)	
ART 312C (Major)	3	ART 314C (Major)	3	Internship (Opportunity)	
ARH 302 (Major) <sup>050</sup>	3	ARH 303 (Major) <sup>050</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division ART course (Major)	3	Lower-division ART course (Major)	3	Study Abroad (Opportunity)	
Lower-division ART course (Major)	3	ART course (Major)	3	Internship (Opportunity)	
Lower-division ART course (Major)	3	Upper-division ARH course (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ART course (Major)	3	Upper-division ART course (Major)	3	Study Abroad (Opportunity)	
ART course (Major)	3	Upper-division ART course (Major)	3	Internship (Opportunity)	
ART course (Major)	3	ART 350P (Major)	3		

Upper-division ARH course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ART course (Major)	3	Upper-division ART course (Major)	3	(None)	
Upper-division ART course (Major)	3	Upper-division ART course (Major)	3		
Upper-division ART course (Major)	3	Free electives (Elective)	3		9
U.S. History (Core) <sup>060</sup>	3	Maymester (Opportunity)			
Writing course (Core) <sup>Wr</sup>	3				
	<b>15</b>		<b>15</b>		<b>0</b>
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Theatre Education (BFA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 314M (Major)	3	T D 314Q (Major)	3	(None)	
T D 313C (Major)	3	T D 313D (Major)	3		
T D 311C (Major) <sup>CD, E, Wr</sup>	3	PSY 301 (Core) <sup>080</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 317C (Major) <sup>050, GC</sup>	3	T D 317D (Major) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3
T D 354T	3	Upper-division T D course (Major)	3	U.S. History (Core) <sup>060</sup>	3
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Writing course (Core) <sup>Wr</sup>	3		

Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
	15		15		6
<b>Third Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
T D 316D (Major)		3 T D 323D (Major)		3 Study Abroad (Opportunity)	
T D 326C (Major)		3 T D 326F (Major)		3 Internship (Opportunity)	
T D 326D (Major) <sup>Wr</sup>		3 Upper-division T D course (Major)		3	
T D 354T (Major) <sup>II</sup>		3 EDC 370S (Topic 15) (Major)		3	
ALD 322 (Major)		3 PSY 304, 309, EDP 350G, or HDF 313 <i>and</i> HDF 113L (Major)		3	
	15		15		0
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
T D 626E (Major)		6 T D 326Q (Major)		3 (None)	
EDC 331S (Major)		3 EDC 951W (Major)		9	
EDC 332S (Major)		3			
Visual and Performing Arts (Core) <sup>050</sup>		3			
	15		12		0
<b>Total credit hours: 123</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

*Course categories:* Core, General Education, Major, Elective, Opportunity

*Core Component Areas:* <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Music

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. *Please note, students may not earn the cultural diversity and global cultures flags from the same course.* Students are encouraged to discuss options with a departmental academic advisor.

## Voice Performance Major

### Major Requirements

- Performance: 26 semester hours, consisting of four semesters of Voice 210, two semesters of Voice 362, Music 420R, Music 460R, Music 210K and approval of the faculty, and Music 223J
- Music literature and music theory: Music 605, 411, 612, 312C, 213M, 213N, 321J, 230L, and three hours chosen from Music 325L, 325M, 331J, 334, 337, 342, 343J, 376J and 379K
- Diction: Music 111E, 311F, 311G, and 311J
- Music pedagogy: Music 271P (Topic 3: *Pedagogy: Voice 1*)
- Music ensemble: At least eight semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. )

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement Music 334 which may be used to complete requirement 2 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

### Electives

Four semester hours chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

### Total Minimum Requirements

For the BMusic with a major in voice performance: 120 semester hours as outlined above.

## Piano Performance Major

### Major Requirements

- Performance: With the recommendation of the faculty, given in advance, students may choose either of the following two options.
  - Normally suggested for students who wish to emphasize performance: 32 semester hours, consisting of four semesters of Piano 312, two semesters of Piano 362, Music 420R, two semesters of Music 271P (Topic 1 and Topic 2), 460R, and 222J or 223J
  - Normally suggested for students who wish to emphasize pedagogy: 32 semester hours, consisting of four semesters of Piano 312, two semesters of Piano 260, 362, two semesters of Music 271P (Topic 1 and Topic 2), 460R, 366P, and 222J or 223J
- Music literature and music theory: Music 605, 411, 612, 312C, 213M, 213N, 321J, 325M, 230L; two semesters of Music 259N; and three hours chosen from Music 325L, 331J, 334, 337, 342, 343J, 376J, and 379K
- Music ensemble: Eight semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. )

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. Music 334 which may be used to complete requirement 2 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Electives

Three semester hours to be chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BMusic with a major in piano performance: 120 semester hours as outlined above.

## Organ or Harpsichord Performance Major Major Requirements

- a. Performance and pedagogy: 30 semester hours, consisting of four semesters of major instrument course 312, two semesters of major instrument course 362, Music 420R, 460R, 275T, and 222J or 223J
- b. Music literature and music theory: Music 605, 411, 612, 312C, 213M, 213N, 321J, 325L, 325M, 230L, and three semester hours chosen from Music 331J, 334, 337, 342, 343J, 376J, and 379K
- c. Music ensemble: Two semesters of Music 259N and eight semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. )

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. Music 334 which may be used to complete requirement 2 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Electives

Two semester hours chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BMusic with a major in organ or harpsichord performance: 120 semester hours as outlined above.

## Harp Performance Major

### Major Requirements

- a. Performance and pedagogy: 30 semester hours, consisting of four semesters of Harp 312, two semesters of Harp 362, Music 420R, 460R, 275T, and 222J
- b. Music literature and music theory: Music 605, 411, 612, 312C, 213M, 213N, 321J, 230L; three semester hours chosen from Music 331J, 334, 337, 342, 343J, 376J, and 379K; and two courses chosen from the following: Music 214C, 325L, 325M, 226J, and 226K
- c. Music ensemble: Two semesters of Music 259N and eight semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. )

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. Music 334 which may be used to complete requirement 2 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Electives

Two to four semester hours to be chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BMusic with a major in harp performance: 120 semester hours as outlined above.

## Orchestral Instrument Performance Major

This program is offered in the following instruments: violin, viola, violoncello, double bass, flute, oboe, clarinet, bassoon, saxophone, trumpet, French horn, euphonium, trombone, tuba, percussion, and guitar.

### Major Requirements

- a. Performance and pedagogy:
  - a. Thirty-two semester hours, consisting of four semesters of major instrument course 312, two semesters of major instrument course 362, Music 420R, 460R, 222J, 275T, and 210K and approval of the faculty
  - b. For violin majors, proficiency in viola equivalent to Viola 201 and approval of the faculty
  - c. For euphonium majors, proficiency in trombone equivalent to Trombone 201 and approval of the faculty
- b. Music literature and music theory:
  - a. Music 605, 411, 612, 312C, 213M, 213N, 321J, 226J, and 230L
  - b. Two semesters chosen from Music 259C, 259E, 259N, 259R, or 259W
  - c. One of the following options, chosen with the consent of the undergraduate advisor:
    1. Two additional semesters of Music 259C, 259E, 259N, 259R, or 259W
    2. One semester of Music 325L, 325M, 331J, 334, 337, 342, 343J, 376J, or 379K
  - d. Three hours chosen from Music 325L, 325M, 331J, 334, 337, 342, 343J, 376J, or 379K
- c. Music ensemble: Eight semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. )

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. Music 334 which may be used to complete requirement 2 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Electives

One or more hours of additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BMusic with a major in orchestral instrument performance: 120 semester hours as outlined above.

## Jazz Major

This program is offered in the following instruments: double bass, drum set, guitar, piano, saxophone, trombone, and trumpet.

## Major Requirements

- a. Music literature and music theory: Music 605, 411, 612, 223, 228C, 228D, 348, 349, 343J, and 319D; majors and principals in instruments other than piano must also complete Music 246 and 247.
- b. Music literature: Music 312C, and six semester hours chosen from 213M, 213N, 230L, 342, and any upper-division courses in African and African Diaspora Studies.
- c. Music ensemble: Eight semester hours of music ensemble courses as explained in Butler School of Music Special (p. \_\_\_\_\_) Requirements (p. \_\_\_\_\_)
- d. For concentration in Performance:
  - a. Piano: 24 semester hours, consisting of:
    1. Two semesters of Piano 212 and two semesters of Piano 212J with faculty approval; or four semesters of Piano 212J with faculty approval
    2. Two semesters of Piano 362J
    3. Music 224
    4. Music 420J
    5. Music 460J
  - b. Drum set: 26 semester hours, consisting of:
    1. Two semesters of Percussion 212 and two semesters of Drum Set 212J with faculty approval; or four semesters of Drum Set 212J with faculty approval
    2. Two semesters of Drum Set 362J
    3. Music 201N with faculty approval
    4. Music 224
    5. Music 420J
    6. Music 460J
  - c. Other instruments: 26 semester hours, consisting of:
    1. Two semesters of principal instrument course 212 and two semesters of principal instrument course 212J with faculty approval; or four semesters of principal instrument course 212J with faculty approval
    2. Two semesters principal instrument course 362J
    3. Music 201N with faculty approval
    4. Music 224
    5. Music 420J
    6. Music 460J
- e. For concentration in Composition:
  - a. Piano: 25 semester hours, consisting of:
    1. Music 214C
    2. Music 224
    3. Three semesters of Music 228P
    4. Two semesters of Piano 212 and two semesters of Piano 212J with faculty approval; or four semesters of Piano 212J with faculty approval
    5. Piano 362J
    6. Music 420J
  - b. Other instruments: 25 semester hours, consisting of:

1. Music 214C
2. Three semesters of Music 228P
3. Two semesters of principal instrument course 212 and two semesters of principal instrument course 212J with faculty approval; or four semesters of principal instrument course 212J with faculty approval
4. Principal instrument course 362J
5. Music 201N with faculty approval
6. Music 420J

Each student must also complete a recital of compositions and/or arrangements. This recital is given in the senior year and must be approved by the jazz faculty.

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement.

## Electives

For emphasis in performance: Up to six semester hours chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

For emphasis in composition: one to five semester hours chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BMusic with a major in jazz: 120 semester hours as outlined above.

## Composition Major

### Major Requirements

- a. Performance: At least six semester hours, consisting of two semesters of Piano 202 or Piano 210 and approval of the faculty, and Music 222J or 223J.
- b. Music literature and music theory: Music 605, 411, 612, 312C, 213M, 213N, 321J, 325L, 325M, 226J, 226K, 230L, 164L, and three semester hours chosen from Music 331J, 334, 337, 342, 343J, 376J, and 379K.
- c. Composition: Three semesters of Music 224G, at least three semesters of 224J and approval of the music theory and composition faculty, 319D, and three semester hours chosen from Music 350S, 329E, 329F, 329G, 329J, and 329M. Fulfillment of this requirement signifies the completion of original compositions of a quality and a quantity sufficient to present the composition recital described below. At the discretion of the music theory and composition faculty, a student may be required to complete more than three semesters of Music 224J.
- d. Recital: Music 160C. Upon approval of the music theory and composition faculty, a composition major must present a recital of his or her works. The recital must be approximately thirty minutes in length and must consist of works approved by the student's composition instructor. It is normally given during the student's last semester of Music 224J. It is graded by a jury of designated music theory and composition faculty members. The student must receive from the jury an average grade of at least *B-* for the recital; if the average grade is less than *B-*, the student, upon approval of the music theory and composition faculty, must present another composition recital.



- e. Music ensemble: Eight semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. ).

to fulfill this requirement must involve the study of a family of instruments different from that used to fulfill the preceding requirement.

- b. Instrumental music emphasis: Music 354C, 155C, 255D, 255E, 255F, and 356J; and, with the approval of the music studies advisor, four semester hours chosen from 115D, 115E, 115F, and 255M.

- e. Music ensemble: Six semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#). (p. )

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. Music 334 which may be used to complete requirement 2 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

When taken in residence, Music 312C may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. In addition, Music 312C is also approved to fulfill the visual and performing arts requirement of the core curriculum.

## Electives

Three semester hours to be chosen from courses either within or outside the Butler School of Music. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Professional Development in Education

Twenty-one semester hours of coursework as currently required by the State of Texas for teacher certification. Should a student decide, in the course of their studies, to pursue this degree without seeking teacher certification, additional elective coursework may be selected up to 120 hours.

## Total Minimum Requirements

For the BMusic with a major in composition: 120 semester hours as outlined above.

Please see the [UTeach-Fine Arts](#) (p. 219) section of this catalog for more information.

## Music Studies Major

The major in music studies is a preprofessional academic program recommended for students seeking all-level teacher certification in music or intending to pursue graduate preparation for careers in areas such as music and human learning, music therapy, music management, music merchandising, music publishing, and community music development. Students seeking teacher certification must adhere to current state requirements in addition to the degree requirements described in this catalog. Students should contact the College of Education for current state certification requirements. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

## Total Minimum Requirements

For the BMusic with a major in music studies: 120-125 semester hours as outlined above.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Suggested Arrangement of Courses, Composition (BMusic)

### Major Requirements

- a. Performance: 12 to 16 semester hours, consisting of four semesters of principal instrument course 210; two semesters of principal instrument course 260 and approval of the faculty; and Music 201M and Music 201F or equivalent proficiency, and approval of the faculty. Music 201F or equivalent proficiency is required of all music studies majors, regardless of principal instrument. In addition to these requirements, the student must make a recital appearance as described in [Butler School of Music Special Requirements](#) (p. ).
- b. Music theory and literature: Music 605, 411, 612, 312C, 213M, 213N, 230L.
- c. Conducting: Four semester hours, consisting of either Music 222J and 222K, or 223J and 223K.
- d. Choral or instrumental music techniques, literature, and performance practices: 15 to 17 semester hours in one of the following areas of emphasis.
  - a. Choral music emphasis:
    1. Music 354C, 255V, and 456G.
    2. Music 354D or three semester hours approved by the music studies advisor.
    3. Two semester hours chosen from Music 255D (strings), 255E (brasses), and 255F (woodwinds).
    4. One semester hour chosen from Music 115D (violin), 115E (trumpet), 115F (clarinet), 115G, and 155C. The course used

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PIA 210 (Major)		2 PIA 210 (Major)		2 Study Abroad (Opportunity)	
MUS 605A (Major)		3 MUS 605B (Major)		3 Internship (Opportunity)	
Approved Ensemble (Major)		1 MUS 312C (Core, Major) <sup>050</sup> , Wr, GC, E		3	
RHE 306 (Core) <sup>010</sup>		3 Approved Ensemble (Major)		1	
UGS 302 or 303 (Core) <sup>090</sup> , Wr		3 Mathematics (Core) <sup>020</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MUS 224G (Major)		2 MUS 224G (Major)		2 Study Abroad (Opportunity)	
MUS 411A (Major)		2 MUS 411B (Major)		2 Internship (Opportunity)	
MUS 612A (Major)		3 MUS 612B (Major)		3	
MUS 213M (Major)		2 MUS 213N (Major)		2	
MUS 319D (Major)		3 Approved Ensemble (Major)		1	
Approved Ensemble (Major)		1 Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
	16		16		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MUS 224G (Major)		2 MUS 224J (Major) <sup>II</sup>		2 Study Abroad (Opportunity)	
MUS 321J (Major)		3 MUS 164L (Major)		1 Internship (Opportunity)	
MUS 325L (Major)		3 MUS 325M (Major)		3	
MUS 226J (Major)		2 MUS 226K (Major)		2	
MUS 230L (Major)		2 Approved Ensemble (Major)		1	
Approved Ensemble (Major)		1 U.S. History (Core) <sup>060</sup>		3	
Free elective (Elective)		3 Free elective (Elective)		3	
		<b>16</b>			<b>15</b>
				<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MUS 222J or 223J (Major)		2 MUS 224J (Major) <sup>II</sup>		2 (None)	
MUS 224J (Major) <sup>II</sup>		2 Upper-division MUS Literature course (Major)		3	
Upper-division MUS Media course (Major)		3 MUS 160C (Major)		1	
Approved Ensemble (Major)		1 Approved Ensemble (Major)		1	
Writing course (Core) <sup>Wr</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
GOV 310L (Core) <sup>070</sup>		3 U.S. History (Core) <sup>060</sup>		3	
				Maymester (Opportunity)	
		<b>14</b>			<b>13</b>
				<b>0</b>	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Suggested Arrangement of Courses, Jazz (BMusic)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 212J (Major)		2 Instrument 212J (Major)		2 Study Abroad (Opportunity)	
MUS 605A (Major)		3 MUS 605B (Major)		3 Internship (Opportunity)	
MUS 228C		2 MUS 201N (Major)		2	
MUS 201M (Major)		2 MUS 223		2	
Approved Ensemble (Major)		1 MUS 228D		2	

RHE 306 (Core) <sup>010</sup>		3 MUS 312C (Core, Major) <sup>050, Wr, GC, E</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Approved Ensemble (Major)		1	
		<b>16</b>			<b>15</b>
				<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 212J (Major)		2 Instrument 212J (Major)		2 Study Abroad (Opportunity)	
MUS 210J (Major)		2 MUS 411B (Major)		2 Internship (Opportunity)	
MUS 411A (Major)		2 MUS 612B (Major)		3	
MUS 612A (Major)		3 MUS 213N (Major)		2	
MUS 213M (Major)		2 MUS 214C (Major)		2	
MUS 246		2 Approved Ensemble (Major)		1	
Approved Ensemble (Major)		1 Mathematics (Core) <sup>020</sup>		3	
Social and Behavioral Sciences (Core) <sup>080</sup>		3			
		<b>17</b>			<b>15</b>
				<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 362J (Major)		3 MUS 420J (Major)		4 Study Abroad (Opportunity)	
MUS 321J (Major)		3 MUS 228P (Major)		2 Internship (Opportunity)	
MUS 226J (Major)		2 Approved Ensemble (Major)		1	
MUS 348		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
MUS 230L (Major)		2 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
Approved Ensemble (Major)		1 Writing course (Core) <sup>Wr</sup>		3	
Free elective (Elective)		1			
		<b>15</b>			<b>16</b>
				<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MUS 319D (Major)		3 MUS 228P (Major)		2 (None)	
MUS 228P (Major)		2 MUS 343J (Major)		3	
Approved Ensemble (Major)		1 Composition Recital (Major)		0	
GOV 310L (Core) <sup>070</sup>		3 Approved Ensemble (Major)		1	
U.S. History (Core) <sup>060</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 U.S. History (Core) <sup>060</sup>		3	
				Natural Science and Technology, Part II (Core) <sup>093</sup>	3
				Maymester (Opportunity)	
		<b>15</b>			<b>15</b>
				<b>0</b>	

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S.

History;<sup>070</sup> American and Texas Government;<sup>080</sup> Social and Behavioral Sciences;<sup>090</sup> First-Year Signature Course;<sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Music Performance (BMusic)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PIA 312 (Major)	3	PIA 312 (Major)	3	Study Abroad (Opportunity)	
MUS 605A (Major)	6	MUS 605B (Major)	6	Internship (Opportunity)	
Approved Ensemble course (Major)	1	MUS 312C (Major) <sup>050, Wr, GC, E</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Approved Ensemble course (Major)	1		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Mathematics (Core) <sup>030</sup>	3		
19		19		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PIA 312 (Major)	3	PIA 312 (Major)	3	Study Abroad (Opportunity)	
MUS 411A (Major)	4	MUS 411B (Major)	4	Internship (Opportunity)	
MUS 612A (Major)	6	MUS 612B (Major)	6		
MUS 213M (Major)	2	MUS 213N (Major)	2		
Approved Ensemble course (Major)	1	Approved Ensemble course (Major)	1		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
19		19		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PIA 362 (Major)	3	MUS 420R (Major)	4	Study Abroad (Opportunity)	
MUS 321J (Major)	3	MUS 325M (Major)	3	Internship (Opportunity)	
MUS 230L (Major)	2	MUS 259N (Major)	2		
MUS 271P (Major)	2	MUS 271P (Major)	2		
Approved Ensemble course (Major)	1	Approved Ensemble course (Major)	1		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	U.S. History (Core) <sup>060</sup>	3		
14		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PIA 362 (Major)	3	MUS 460R (Major)	4	(None)	
MUS 222J or 223J (Major)	2	Upper-division Music Literature course (Major)	3		
MUS 259N (Major)	2	Approved Ensemble course (Major)	1		
Approve Ensemble course (Major)	1	GOV 312L (Core) <sup>070</sup>	3		
14		15		0	

GOV 310L (Core) <sup>070</sup>	3	Writing course (Core) <sup>Wr</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
		Maymester (Opportunity)			
14		17		0	

Total credit hours: 136

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

*Course categories:* Core, General Education, Major, Elective, Opportunity

*Core Component Areas:* <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Music Studies (BMusic)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 210 (Major)	2	Instrument 210 (Major)	2	Study Abroad (Opportunity)	
MUS 605A (Major)	3	MUS 605B (Major)	3	Internship (Opportunity)	
MUS 201M (Major)	2	MUS 201F (Major)	2		
Approved Ensemble (Major)	1	MUS 312C (Core, Major) <sup>050, Wr, GC, E</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Approved Ensemble (Major)	1		
RHE 306 (Core) <sup>010</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Mathematics (Core) <sup>020</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
17		17		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 210 (Major)	2	Instrument 210 (Major)	2	Study Abroad (Opportunity)	
MUS 411A (Major)	2	MUS 411B (Major)	2	Internship (Opportunity)	
MUS 612A (Major)	3	MUS 612B (Major)	3		
MUS 213M (Major)	2	MUS 213N (Major)	2		
Approved Ensemble (Major)	1	Approved Ensemble (Major)	1		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
U.S. History (Core) <sup>060</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
16		16		0	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 260 (Major)		2 Instrument 260 (Major)		2 Study Abroad (Opportunity)	
MUS 223J (Major)		2 MUS 223K (Major)		2 Internship (Opportunity)	
MUS 255V (Major)		2 MUS 255D, 255E, or 255F (Major)		2	
MUS 230L (Major)		2 MUS 354D (Major)		3	
MUS 354C (Major)		3 Approved Ensemble (Major)		1	
Approved Ensemble (Major)		1 PSY 304, 309, HDF 313, or EDP 350G (Major)		3	
GOV 310L (Core) <sup>070</sup>		3 Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
	15		16		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
EDC 331S (Major)		3 EDC 370S (Major)		3 (None)	
EDC 332S (Major)		3 EDC 951W (Major)		9	
MUS 115D, 115E, 115F, 115G, or 155C (Major)		1 Maymester (Opportunity)			
MUS 456G (Major)		4			
Writing course (Core) <sup>Wr</sup>		3			
GOV 312L (Core) <sup>070</sup>		3			
	17		12		0

Total credit hours: 126

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)

## Bachelor of Arts

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course

- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. *Please note, students may not earn the cultural diversity and global cultures flags from the same course.* Students are encouraged to discuss options with a departmental academic advisor.

## Studio Art Major

### Prescribed Work

- Foreign language: Beginning level proficiency in a foreign language.
- Social and behavioral sciences: Six semester hours chosen from the following areas: anthropology, economics, geography, government, history, linguistics, psychology, and sociology. A course counted toward this requirement may not also be counted toward any core curriculum requirement.
- General culture: Three semester hours chosen from the following areas: architecture, classics (including classical civilization, Greek, Latin), comparative literature, humanities, philosophy, and interdisciplinary fields outside the Department of Art and Art History such as American studies, African and African diaspora studies, Asian studies, Latin American studies, Mexican American studies, and women's and gender studies. The student is encouraged to choose coursework of a multicultural nature. Courses outside the Department of Art and Art History that are cross-listed with courses in the department may not be used to fulfill this requirement. A course used to fulfill this requirement may not also be counted toward any core curriculum requirement.
- Science, technology, and mathematics: Six semester hours of coursework. Courses must be chosen from computer science, mathematics, and the fields of study included in the science and technology, part I, requirement of the core curriculum. A course counted toward this requirement may not also be counted toward any core curriculum requirement.

### Major Requirements

- Studio art: 30 semester hours, consisting of Studio Art 311C, 312C, 313C, and 314C, and 18 additional semester hours of studio art, of which at least 12 hours must be upper-division.
- Art history: 12 semester hours, consisting of Art History 302, 303 and six hours of upper-division coursework in art history. Several of the courses which may be used to complete this requirement are also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

### Electives

Nine to 15 semester hours chosen from courses either within or outside the Department of Art and Art History. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

### Total Minimum Requirements

For the BA with a major in studio art: 120 semester hours as outlined above.

## Art History Major

### Prescribed Work

- Foreign language: Intermediate level proficiency in a foreign language.

- b. Social and behavioral sciences: Six semester hours chosen from the following areas: anthropology, economics, geography, government, history, linguistics, psychology, and sociology. A course counted toward this requirement may not also be counted toward any core curriculum requirement.
- c. General culture: Three semester hours in one of the following areas:
  - a. Architecture
  - b. Classics, including classical civilization, Greek, Latin (but excluding any courses in Greek or Latin that are used to fulfill the language requirement)
  - c. Music
  - d. Philosophy
  - e. Radio-television-film
  - f. Theatre and dance
  - g. Programs of special concentration, such as women's and gender studies and Latin American studies

- ii. Design 374 with a grade of at least C-
- iii. Seventeen semester hours of design courses, of which at least eight hours must be upper-division. Design 336 and 337 may not be counted.
- b. Art/design history/theory/criticism courses: Nine semester hours chosen from
  - i. Art History 303
  - ii. Design 308
  - iii. Design 336 or 337 (Topic 1: History of Graphic Design)
- c. Performance review: Design 131. A design major must register for the performance review course during the second semester of sophomore year, and present a portfolio of his or her works for review by designated design faculty at the end of the semester. The works to be included for review are specified by the design faculty. In order to enroll in courses numbered Design 340 or higher, the student must pass this performance review.

A course used to fulfill requirement 3 may not also be counted toward any core curriculum requirement.

Several of the courses which may be used to complete requirements 1 and 2 are also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Major Requirements

## Electives

- a. Studio Art 311C or 312C
- b. Art history: 36 semester hours, consisting of
  - a. Art History 302, 303, 304, 321, and 375
  - b. Twelve semester hours of upper-division art history courses chosen to meet four of the following geographical areas:
    1. Africa
    2. Asia & Pacific
    3. Europe
    4. Middle East
    5. The Americas
  - c. Nine semester hours of upper-division art history courses chosen to meet three of the following four periods:
    1. Prehistoric-600
    2. 600-1500
    3. 1500-1900
    4. 1900-present

Eighteen semester hours chosen from courses either within or outside the School of Design and Creative Technologies. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BA with a major in design: 120 semester hours as outlined above.

Several of the courses which may be used to complete requirement 2 are also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Suggested Arrangement of Courses, Art History (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARH 304 (Major)	3	ARH 303 (Major) <sup>050</sup>		3 Study Abroad (Opportunity)	
ARH 302 (Major) <sup>050</sup>		3 ART 311C or 312C (Major)		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Mathematics (Core) <sup>020</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
General culture course (General Education)		3 Free elective (Elective)		3	
<b>15</b>		<b>15</b>		<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ARH course (Major)	3	ARH 321 (Major)		3 Study Abroad (Opportunity)	
U.S. History (Core) <sup>060</sup>		3 Natural Science and Technology, Part I (Core)		3 Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 U.S. History (Core)		3	
Foreign Language (General Education)		6 Foreign Language (General Education)		6	
<b>15</b>		<b>15</b>		<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ARH courses (Major)	6	Upper-division ARH course (Major)		3 Study Abroad (Opportunity)	

## Electives

Twelve to 18 semester hours chosen from courses either within or outside the Department of Art and Art History. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

## Total Minimum Requirements

For the BA with a major in art history: 120 semester hours as outlined above.

## Design Major

### Prescribed Work

Foreign language: Intermediate level proficiency in a foreign language.

## Major Requirements

- a. Design courses: 32 semester hours, consisting of:
  - i. Design 304, 305, and six additional semester hours of lower-division DES coursework

Natural Science and Technology, Part II (Core) <sup>093</sup>	3 ARH 375 (Major) <sup>Wr</sup>	3 Internship (Opportunity)			
Foreign Language (General Education)	6 Social and Behavioral Science (General Education)	3			
	GOV 310L (Core) <sup>070</sup>	3			
	Free elective (Elective)	3			
	<b>15</b>	<b>15</b>			<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ARH courses (Major)	6	Maymester (Opportunity)		(None)	
Social and Behavioral Science (General Education)	3	Upper-division ARH course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Free elective courses (Elective)	12		
GOV 312L (Core) <sup>070</sup>	3				
	<b>15</b>	<b>15</b>			<b>0</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Design (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
DES 304 (Major)	3	DES 305 (Major)	3	Study Abroad (Opportunity)	
Lower-division DES course (Major)	3	DES 308 (Major)	3	Internship (Opportunity)	
Lower-division DES course (Major)	3	ARH 303 (Major, Core) <sup>050</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
	<b>15</b>	<b>15</b>			<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
DES 131 (Major)	1	DES 334 (Major)	3	Study Abroad (Opportunity)	
DES 321 (Major)	3	DES 336 or 337 (Topic 1) (Major)	3	Internship (Opportunity)	
DES 325 (Major)	3	Upper-division DES course (Major)	3		

DES 326 (Major)	3	Foreign Language (General Education)	6		
Foreign Language (General Education)	6				
	<b>16</b>	<b>15</b>			<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division DES course (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Study Abroad (Opportunity)	
Foreign Language (General Education)	6	GOV 310L (Core) <sup>070</sup>	3	Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	Writing course (Core) <sup>Wr</sup>	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Free electives (Elective)	6		
	<b>15</b>	<b>15</b>			<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
DES 374 (Major) <sup>II</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	(None)	
U.S. History (Core) <sup>060</sup>	3	Free electives (Elective)	12		
GOV 312L (Core) <sup>070</sup>	3	Maymester (Opportunity)			
Natural Science and Technology, Part II (Core) <sup>093</sup>	3				
Free elective (Elective)	3				
	<b>15</b>	<b>15</b>			<b>0</b>

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Studio Art (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ART 311C (Major)	3	ART 313C (Major)	3	Study Abroad (Opportunity)	
ART 312C (Major)	3	ART 314C (Major)	3	Internship (Opportunity)	
ARH 302 (Major) <sup>050</sup>	3	ARH 303 (Major) <sup>050</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3		

UGS 302 or 303 (Core) <sup>090</sup> , Wr	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
	15		15		0
<b>Second Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Lower-division ART course (Major)	3	Upper-division ART course (Major)	3	Study Abroad (Opportunity)	
Lower-division ART course (Major)	3	Upper-division ART course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	General Culture course (General Education)	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		15		0
<b>Third Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Upper-division ART course (Major)	3	Upper-division ART course (Major)	3	Study Abroad (Opportunity)	
Upper-division ARH course (Major)	3	Upper-division ARH course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Social and Behavioral Sciences course (General Education)	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Natural Science course (General Education) <sup>030</sup>	3	Natural Science course (General Education) <sup>030</sup>	3	(None)	
Social and Behavioral course (General Education)	3	Free electives (Elective)	12		
U.S. History (Core)	3	Maymester (Opportunity)			
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3				
Writing course (Core) <sup>Wr</sup>	3				
	15		15		0
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

# Bachelor of Arts in Theatre and Dance

## Core Curriculum

All students must complete the University's Core Curriculum (p. 23). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the Course Schedule. They may be used simultaneously to fulfill other requirements, unless otherwise specified. *Please note, students may not earn the cultural diversity and global cultures flags from the same course.* Students are encouraged to discuss options with a departmental academic advisor.

## Prescribed Work

- Foreign language: Intermediate level proficiency in a foreign language.
- General culture: Three semester hours chosen from the following areas: architecture, art history, classics (including classical civilization, Greek, Latin), comparative literature, humanities, philosophy, and interdisciplinary fields outside the Department of Theatre and Dance such as American studies, African and African diaspora studies, Asian studies, Latin American studies, Mexican American studies, and women's and gender studies. The student is encouraged to choose coursework of a multicultural nature. Courses outside the Department of Theatre and Dance that are cross-listed with theatre and dance courses may not be used to fulfill this requirement. A course used to fulfill this requirement may not also be counted toward any core curriculum requirement.

## Major Requirements

- Theatre and dance core: 21 semester hours, consisting of the following courses: Theatre and Dance 311C, 311D, 314M, and 314P; two semesters of Theatre and Dance 324P; and three semester hours chosen from either Theatre and Dance 357T or 375H.
- Choice of emphasis in:
  - Playwriting and directing:** Theatre and Dance 313C, 315, 316D, 317C, 317D, 321P, 323D, and 325; six semester hours chosen from Theatre and Dance 323P, 353C, 355, 355T, or 357D; and six lower- or upper-division semester hours of additional theatre and dance courses.
  - Performer's process:** Theatre and Dance 306, 313C, 313D, 313E or 315, 316D, 321P, and six semester hours of 353T; either 317C and 317D, or 317M and 317N; and six upper-division semester hours of additional theatre and dance courses.
  - History, literature, and dramaturgy:** Theatre and Dance 313C, 316D, 317C, 317D, 317M, 317N, 321P, and 357D; and 12 semester hours of additional theatre and dance courses, of which at least nine must be upper-division.
  - Theatre for youth and communities:** Theatre and Dance 313C, 316D, 317C, 317D, 321P, 326C, 326D, and 351F; and 12 semester

hours of additional theatre and dance courses, of which at least three must be upper-division.

- v. **Design and technology:** Theatre and Dance 313C, 314C, and 321P; either 317C and 317D, or 317M and 317N; and 21 semester hours of additional theatre and dance courses, of which at least 12 must be upper-division.
- vi. **Dance:** Theatre and Dance 212, 212P, 312M, 312N, 317M, 317N, 322C, and 322F; either 322D or 322G; and 11 semester hours of additional theatre and dance courses, of which at least five must be from the dance program and six must be upper-division.

## Electives

Zero to six semester hours chosen from courses either within or outside the Department of Theatre and Dance. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

Students considering graduate study should consult their advisors about the most appropriate choice of courses.

## Total Minimum Requirements

For the Bachelor of Arts in Theatre and Dance: 120 semester hours as outlined above.

## Suggested Arrangement of Courses, Theatre and Dance (BATD)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 311C (Major) <sup>CD</sup> , E, Wr		3 T D 311D (Major)		3 (None)	
T D Emphasis course (Major)		3 T D Emphasis course (Major)		3	
RHE 306 (Core) <sup>010</sup>		3 T D 314M (Major)		3	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 Writing course (Core) <sup>Wr</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Mathematics (Core) <sup>020</sup>		3	
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 314P (Major)		3 T D 324P (Major)		3 (None)	
T D Emphasis course (Major)		3 T D Emphasis course (Major)		3	
Visual and Performing Arts (Core) <sup>050</sup>		3 T D Emphasis course (Major)		3	
Foreign Language (General Education)		6 Foreign Language (General Education)		6	
	15		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T D 324P		3 Upper-division T D Emphasis course (Major)		3 Study Abroad (Opportunity)	
T D Emphasis course (Major)		3 Upper-division T D Emphasis course (Major)		3 Internship (Opportunity)	
T D Emphasis course (Major)		3 Free elective (Elective)		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	

U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>030</sup>	3		
	15		15		0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division T D Emphasis course (Major)		3 Upper-division T D Emphasis course (Major)		3 (None)	
Upper-division T D Emphasis course (Major)		3 T D 357T or 375H (Major)		3	
Natural Science and Technology, Part II (Core) <sup>093</sup>		3 General Culture course (General Education)		3	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Free elective (Elective)		3	
	15		15		0
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Arts in Music

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- b. Quantitative Reasoning: one flagged course
- c. Global Cultures: one flagged course
- d. Cultural Diversity in the United States: one flagged course
- e. Ethics: one flagged course
- f. Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. *Please note, students may not earn the cultural diversity and global cultures flags from the same course.* Students are encouraged to discuss options with a departmental academic advisor.

### Prescribed Work

- a. Foreign language: Intermediate level proficiency in a foreign language.



- b. General culture: Three semester hours chosen from the following areas: architecture, classics (including classical civilization, Greek, Latin), comparative literature, humanities, philosophy, and interdisciplinary fields outside the Butler School of Music such as American studies, African and African diaspora studies, Asian studies, Latin American studies, Mexican American studies, and women's and gender studies. The student is encouraged to choose coursework of a multicultural nature. Courses outside the Butler School of Music that are cross-listed with music courses may not be used to fulfill this requirement. A course used to fulfill this requirement may not also be counted toward any core curriculum requirement.

- a. Upper-division standing at the University  
 b. A grade point average of at least 2.50 for all coursework taken in residence at the University  
 c. Completion of the following courses or their equivalents with a grade point average of at least 2.50: Music 201N (required only for students whose principal instrument is not piano), 605A, 605B, 411A, 411B, 612A, 612B, 312C, and the six semester hours of music literature coursework chosen to complete major requirement 2  
 d. Approval of the coordinator of the Bachelor of Arts in Music program

## Major Requirements

- a. Performance: At least 12 semester hours, consisting of four semester hours of music ensemble courses as explained in [Butler School of Music Special Requirements](#) (p. ); and Music 201N (completed to the satisfaction of faculty) for students whose principal instrument is not piano
- Emphasis in Music: Four semesters of principal instrument course 210 and approval of the faculty
  - Emphasis in Composition: Two semesters of Music 224G, *Intermediate Composition*, two semesters of Music 224J, *Advanced Composition*, and approval of the music theory and composition faculty
- b. Music Literature and Music Theory: Music 605, 411, 612, 312C, and six semester hours chosen from Music 303M, 303N, 303P, 213M, 213N, 230L, 334, 342, and other courses from a list approved by the Musicology/Ethnomusicology Division
- c. Concentration: Twelve semester hours in a concentration of music courses approved by the coordinator of the Bachelor of Arts in Music program, at least eight hours of which must be upper-division
- d. Three hours chosen from Music 321J, 325L, 325M, 331J, 334, 337, 342, 343J, 376J, or 379K

When taken in residence, Music 312C (in requirement 2) may either be counted toward the visual and performing arts requirement of the core curriculum or toward the three-semester-hour writing flag portion of the core curriculum English composition requirement. Music 334 which may be used to complete requirement 3 is also approved to fulfill the visual and performing arts requirement of the core curriculum and may be used to fulfill both.

## Secondary Field of Study

The secondary field of study must be approved by the coordinator of the Bachelor of Arts in Music program, include twelve semester hours of coursework outside the Butler School of Music, and must include at least six hours of upper-division coursework.

## Electives

Two or more hours of additional elective coursework may be needed to provide the total number of semester hours required for the degree. Courses that are crosslisted with music courses may not be counted toward this requirement.

## Total Minimum Requirements

For the Bachelor of Arts in Music: 120 semester hours as outlined above.

## Advancement to Upper-Division Standing

To advance to upper-division standing in the program, the student must meet the following requirements:

## Suggested Arrangement of Courses, Music (BAMusic)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 210 (Major)	2	Instrument 210 (Major)	2	Study Abroad (Opportunity)	2
MUS 605A (Major)	3	MUS 605B (Major)	3	Internship (Opportunity)	3
MUS 201M (Major)	2	MUS 201N (Major)	2		2
Approved Ensemble course (Major)	1	MUS 312C (Major) <sup>050</sup> , Wr, GC, E	1		3
UGS 302 or 303 (Core) <sup>090</sup> , Wr	3	Approved Ensemble course (Core)	3		1
RHE 306 (Core) <sup>010</sup>	3	Mathematics course (Core) <sup>020</sup>	3		3
		E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		3
	14		17		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Instrument 210 (Major)	2	Instrument 210 (Major)	2	Study Abroad (Opportunity)	2
Approved Ensemble (Major)	1	Approved Ensemble (Major)	1	Internship (Opportunity)	1
MUS 612A (Major)	3	MUS 612B (Major)	3		3
MUS 411A (Major)	3	MUS 411B (Major)	3		3
MUS 213M (Major)	2	MUS 213N (Major)	2		2
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		3
Social and Behavioral Sciences (Core) <sup>080</sup>	3	GOV 310L (Core) <sup>070</sup>	3		3
	17		17		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MUS 230L (Major)	2	Upper-division MUS Literature course (Major)	2	Study Abroad (Opportunity)	3
MUS Concentration course (Major)	3	Upper-division MUS Concentration course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Foreign Language (General Education)	3		6
Secondary Field of Study course (Major)	3	Secondary Field of Study course (Major)	3		3
GOV 312L (Core) <sup>070</sup>	3				3
General Culture course (General Education)	3				3
	17		15		0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division MUS Concentration course (Major)	3	Upper-division MUS Concentration course (Major)	3	(None)	3
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		3

Upper-division Secondary Field of Study course (Major)	3 Upper-division Secondary Field of Study course (Major)	3	
Foreign Language (General Education)	6 Writing course (Core) <sup>Wr</sup>  Free elective (Elective)	3  2	
	15	14	0

Total credit hours: 126

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Arts and Entertainment Technologies

### Core Curriculum

All students must complete the University's [Core Curriculum](#). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. *Please note, students may not earn the cultural diversity and global cultures flags from the same course.* Students are encouraged to discuss options with a departmental academic advisor.

### Major Requirements

- Foundations: 18 semester hours, consisting of the following courses: Arts and Entertainment Technologies 304 and 310; and twelve semester hours of lower-division coursework in Arts and Entertainment Technologies.
- Advanced coursework: 33 upper-division semester hours chosen from Arts and Entertainment Technologies with approval of advisor.
- Capstone or Senior Design Project: six semester hours chosen from Arts and Entertainment Technologies 372, 373, 376, or 377

Arts and Entertainment Technologies 304 is also approved to fulfill the visual and performing arts requirement of the core curriculum.

### Electives

Twenty-four semester hours, of which at least nine must be upper-division. Additional elective coursework may be needed to provide the total number of semester hours required for the degree.

### Total Minimum Requirements

For the Bachelor of Science in Arts and Entertainment Technologies: 120 semester hours as outlined above.

## Suggested Arrangement of Courses, Arts and Entertainment Technologies (BSAET)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AET 304 (Major) <sup>050</sup>	3	AET 310 (Major)	3	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Lower-division AET courses (Major)	3	Internship (Opportunity)	6
RHE 306 (Core) <sup>010</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
Mathematics (Core) <sup>020</sup>	3	Free elective (Elective)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3				
	15		15		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division AET courses (Major)	6	Upper-division AET courses (Major)	3	Study Abroad (Opportunity)	9
Upper-division AET course (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Free elective (Elective)	3				
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division AET courses (Major)	9	Upper-division AET courses (Major)	3	Study Abroad (Opportunity)	9
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Internship (Opportunity)	3
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AET 372 or 376 (Major)	3	Maymester (Opportunity)		(None)	
Upper-division AET course (Major)	3	AET 373 or 377 (Major)	3		
Free elective courses (Elective)	9	Free upper-division elective courses (Elective)	12		
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

### Art History

The Art History Minor requirements are:

Requirements	Hours
Fifteen semester hours of coursework in art history, including at least 12 hours of upper-division coursework.	15
Please Note:	
All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.50 in minor coursework.	

### Arts Management and Administration

The Arts Management and Administration Minor requirements are:

Requirements	Hours
F A 362 Foundations of Arts Management	3
F A 340 Fine Arts Internship	3
Nine hours of Fine Arts, Business, or Management coursework, at least 3 hours of which must be F A. The following courses may count towards this requirement, but this list is not exhaustive. A full list of approved courses may be found on the CoFA website.	9
F A 313C Engaging with the Arts from the Audience	
F A 364 Developing and Reaching Audiences	
F A 365 Fundraising in the Arts	
F A 366 Managing Arts Organizations	
F A 368 Cultural Policy and Participation	
F A 370 Longhorn Startup Seminar	
F A 371 Special Topics in Arts Management and Administration (Any topic)	
ACC 310F Foundations of Accounting	
or ACC 312 Fundamentals of Managerial Accounting	

MAN 320F	Foundations of Management and Organizational Behavior
or MAN 336	Organizational Behavior
MKT 320F	Foundations of Marketing
or MKT 337	Principles of Marketing
FIN 320F	Foundations of Finance
or FIN 357	Business Finance
LEB 320F	Foundations of Business Law and Ethics
or LEB 323	Business Law and Ethics
I B 320F	Foundations of International Business
or I B 350	International Trade

Please Note:

A 2.50 overall grade point average in minor coursework is required. All courses must be taken on the letter-grade basis.

### Studio Art

The Studio Art Minor requirements are:

Requirements	Hours
15 semester hours of coursework in studio art, chosen from the following:	15
ART 350	Philosophy, Theory, and Criticism
ART 352J	Photography for Nonmajors
ART 352C	Painting for Nonmajors
ART 352D	Drawing for Nonmajors
ART 352E	Figure Drawing for Nonmajors
ART 352F	Print for Nonmajors
ART 352G	Sculpture for Nonmajors
ART 352K	Transmedia for Nonmajors

Please Note:

All courses must be taken on the letter-grade basis.

### Certificates

The College of Fine Arts does not offer any certificate programs. To see a full list of certificates offered at the University, please see [The University](#) (p. ) section of the *Undergraduate Catalog*.

## Courses, College of Fine Arts

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the college level: [Fine Arts \(F A\)](#).

For courses offered by each department within the College of Fine Arts, please see the corresponding department page in the following sections.

## Courses, Department of Art and Art History

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Art and Art History: [Art Education \(AED\)](#), [Art History \(ARH\)](#), and [Studio Art \(ART\)](#).

## Courses, Department of Theatre and Dance

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Theatre and Dance: [Theatre and Dance \(T D\)](#).

## Courses, Sarah and Ernest Butler School of Music

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Music: [Bassoon \(BSN\)](#), [Clarinet \(CLA\)](#), [Conducting \(CON\)](#), [Double Bass \(D B\)](#), [Drum Set \(DRS\)](#), [Ensemble \(ENS\)](#), [Euphonium \(EUP\)](#), [Flute \(FLU\)](#), [French Horn \(F H\)](#), [Guitar \(GUI\)](#), [Harp \(HAR\)](#), [Harpsichord \(HSC\)](#), [Music \(MUS\)](#), [Oboe \(OBO\)](#), [Opera \(OPR\)](#), [Organ \(ORG\)](#), [Percussion \(PER\)](#), [Performance \(PRF\)](#), [Piano \(PIA\)](#), [Recorder \(REC\)](#), [Saxophone \(SAX\)](#), [Trombone \(TRO\)](#), [Trumpet \(TRU\)](#), [Tuba \(TBA\)](#), [Vibraphone \(VIB\)](#), [Viola \(VIA\)](#), [Violin \(VIO\)](#), [Violoncello \(V C\)](#), and [Voice \(VOI\)](#).

## Courses, School of Design and Creative Technologies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Design and Creative Technologies: [Arts and Entertainment Technologies \(AET\)](#), [Design \(DES\)](#), and [Integrated Design \(ITD\)](#).

## College of Fine Arts Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Jeanette Abbink, Lecturer  
School of Design and Creative Technologies  
BDesign, North Carolina State University, 1986

Peter E Abrami, Lecturer  
Department of Art and Art History  
MFA, University of Texas at Austin, 2015

Beverly Dominique Acha, Assistant Professor  
Department of Art and Art History  
MFA, Yale University, 2012

Nanette Acosta, Assistant Professor of Practice  
Department of Theatre and Dance  
BFA, DePaul University, 1990

Christopher O Adejumo, Associate Professor  
Department of Art and Art History and John L Warfield Center for African and African American Studies  
PhD, Ohio State U Main Campus, 1997

Donnie R Albert, Senior Lecturer  
Sarah and Ernest Butler School of Music  
MM, Southern Methodist University, 1975

Myan Aljets, Lecturer  
School of Design and Creative Technologies  
BS, University of Houston, 2009

Corey Allen, Assistant Professor  
Department of Theatre and Dance

MFA, University of Illinois at Urbana-Champaign, 2009

Gregory D Allen, Professor  
Sarah and Ernest Butler School of Music  
MM, Peabody Institute of Johns Hopkins University, 1972

Megan Alrutz, Associate Professor  
Department of Theatre and Dance and Center for Women's and Gender Studies  
PhD, Arizona State University Main, 2004

Catalina Alzate Mora, Assistant Professor of Practice  
School of Design and Creative Technologies  
MFA, University of Texas at Dallas, 2021

Charles Odell Anderson, Professor  
The Lee Hage Jamail Regents Professorship in Fine Arts  
Department of African and African Diaspora Studies, John L Warfield Center for African and African American Studies, and Department of Theatre and Dance  
MFA, Temple University, 2002

Quilan M Arnold, Lecturer  
Department of Theatre and Dance  
MFA, The Ohio State University Main Campus, 2016

Kevin Jeffrey Auer, Lecturer  
School of Design and Creative Technologies and James A Michener Center for Writers  
MA, University of Texas at Austin, 2009

Fabio Augustinis, Lecturer  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 2021

Michael Avila, Assistant Professor of Instruction  
Department of Theatre and Dance  
MA, University of Houston, 2014

Nicole Awai, Associate Professor  
Department of Art and Art History  
MFA, University of South Florida, 1996

Christina Bain, Associate Professor  
Department of Art and Art History  
PhD, University of Georgia, 2001

Annie N Baker, Associate Professor of Practice  
Department of Theatre and Dance  
MFA, City University of New York Brooklyn College, 2009

Michael Baker, Associate Professor of Practice  
School of Design and Creative Technologies  
MFA, University of Maryland Baltimore County, 2001

Taylor Bancroft, Lecturer  
School of Design and Creative Technologies  
BA, North Carolina State University, 2018

Jean J Barrera, Specialist  
Sarah and Ernest Butler School of Music  
HS/GED, , 1970

Raquel M Barreto, Associate Professor  
Department of Theatre and Dance  
MFA, University of California-San Diego, 2004

Alexandra Bassett, Lecturer  
Department of Theatre and Dance

MFA, Columbia University in the City of New York, 2014

Ronald Berry Jr, Lecturer  
Department of Theatre and Dance  
BA, Earlham College and Earlham School of Religion, 1995

Alexander Birchler, Professor of Practice  
Department of Art and Art History  
MFA, Nova Scotia College of Art and Design, 1992

Audrey D Blood, Lecturer  
Department of Art and Art History  
MFA, Rhode Island School of Design, 2018

Paul A Bonin, Associate Professor  
Department of Theatre and Dance  
PhD, University of Texas at Austin, 2006

Delia Tovar Botbol, Lecturer  
Sarah and Ernest Butler School of Music  
BA, University of Texas at Austin, 1995

Joel Braun, Associate Professor  
Sarah and Ernest Butler School of Music  
MM, The Juilliard School, 2007

Troy D Brauntuch, Professor  
Department of Art and Art History  
BFA, California Institute of the Arts, 1975

Nathaniel O Brickens, Professor  
Mary D. Bold Regents Professorship of Music  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 1989

Andrew A Brownell, Assistant Professor  
Sarah and Ernest Butler School of Music  
DMA, Guildhall School of Music and Drama, 2010

Jason B Buchanan, Lecturer  
Department of Theatre and Dance  
MFA, University of Texas at Austin, 2005

James W Buhler, Professor  
Sarah and Ernest Butler School of Music  
PhD, University of Pennsylvania, 1996

Chelsea Burns, Assistant Professor  
Sarah and Ernest Butler School of Music  
PhD, University of Chicago, 2016

Thomas A Burritt, Professor  
Sarah and Ernest Butler School of Music  
DMA, Northwestern University, 2000

Bob Bursey, Associate Professor of Practice  
College of Fine Arts  
HS/GED, 1999

William S Bussey, Lecturer  
Department of Theatre and Dance  
BFA, University of Wisconsin-Milwaukee, 1983

William M Byrne, Lecturer  
School of Design and Creative Technologies  
MFA, School of Visual Arts, 2001

Katherine Canales, Professor of Practice  
School of Design and Creative Technologies

BS, Stanford University, 2002

Charlotte Canning, Professor  
Frank C. Erwin, Jr. Centennial Professorship in Drama  
Department of Theatre and Dance, Center for Women's and Gender  
Studies, and Department of African and African Diaspora Studies  
PhD, University of Washington - Seattle, 1991

Sarah A Canright, Associate Professor of Practice  
Department of Art and Art History  
BFA, School of the Art Institute of Chicago, 1964

Carlos A Capra, Lecturer  
Sarah and Ernest Butler School of Music and Department of French and  
Italian  
DMA, University of Texas at Austin, 1999

Laquetta L Carpenter, Assistant Professor  
Department of Theatre and Dance  
MFA, Pennsylvania State University Park, 2007

Charles Daniel Carson, Associate Professor  
Sarah and Ernest Butler School of Music and John L Warfield Center for  
African and African American Studies  
PhD, University of Pennsylvania, 2008

Kate Catterall, Associate Professor  
School of Design and Creative Technologies and School of Information  
MA, Glasgow School of Art, 1992

Edward Chambers, Professor  
David Bruton, Jr. Centennial Professorship in Art History  
Department of Art and Art History and John L Warfield Center for African  
and African American Studies  
PhD, University of London, 1998

Stacey H Chang, Professor of Practice  
School of Design and Creative Technologies and Department of Medical  
Education  
MS, Stanford University, 1998

Michael J Charlesworth, Professor  
Department of Art and Art History  
PhD, The University of Kent, 1990

Daniel Ching, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
MMus, Cleveland Institute of Music, 1998

Kyle I Chittenden, Lecturer  
School of Design and Creative Technologies  
MA, University of Utah, 2015

John R Clarke, Professor  
Annie Laurie Howard Regents Professorship in Fine Arts  
Department of Art and Art History  
PhD, Yale University, 1973

Rusty Cloyes, Associate Professor of Practice  
Department of Theatre and Dance  
MFA, University of Texas at Austin, 2005

David DS Cohen, Assistant Professor of Practice  
School of Design and Creative Technologies  
BFA, University of the Arts, 1997

Sally Whitman Coleman, Lecturer  
Department of Art and Art History

PhD, University of Texas at Austin, 2003

Shavonne T Coleman, Lecturer  
Department of Theatre and Dance  
MFA, Eastern Michigan University, 2017

Tyler James Coleman, Lecturer  
School of Design and Creative Technologies  
BA, University of Advancing Technology, 2012

Eric Colleary, Lecturer  
Department of Theatre and Dance  
PhD, University of Minnesota-Twin Cities, 2014

Jessie Contour, Assistant Professor of Practice  
School of Design and Creative Technologies  
MFA, Parsons School of Design, 2016

Armando G Cortes, Lecturer  
Department of Art and Art History  
MFA, Yale University, 2021

Leah Cox, Associate Professor  
Department of Theatre and Dance  
MFA, Hollins University, 2014

Matthew Joseph Cronin Jr, Lecturer  
Department of Art and Art History and College of Fine Arts  
MFA, University of Texas at Austin, 2019

Clifton G Croomes, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
DMA, Louisiana State University and Agricultural and Mechanical College, 2019

Jeremy L Cudd, Assistant Professor of Practice  
Department of Theatre and Dance  
MFA, Pennsylvania State University Park, 2007

Jared A Culp, Lecturer  
School of Design and Creative Technologies  
MSArch, Columbia University in the City of New York, 2012

Erin Michaela Cunningham, Assistant Professor of Practice  
Department of Art and Art History  
MFA, University of Texas at Austin, 2007

Tina Marie Curran, Assistant Professor of Instruction  
Department of Theatre and Dance  
PhD, New York University, 2010

Douglas Clifton Cushing, Lecturer  
Department of Art and Art History  
PhD, University of Texas at Austin, 2021

Madge Darlington, Assistant Professor of Instruction  
Department of Theatre and Dance and Center for Women's and Gender Studies  
MFA, University of Texas at Austin, 2004

Neal A Daugherty, Associate Professor of Practice  
School of Design and Creative Technologies  
MFA, Louisiana State University and Agricultural and Mechanical College, 1996

Penelope J Davies, Professor  
Department of Art and Art History  
PhD, Yale University, 1994

Brooke M Davis, Lecturer

School of Design and Creative Technologies  
MA, Purdue University Main Campus, 2004

Christin Sawyer Davis, Assistant Professor of Practice  
Department of Theatre and Dance  
MFA, American Conservatory Theater, 2007

Eden R Davis, Lecturer  
Sarah and Ernest Butler School of Music  
JD, Baylor University, 1978

Natalie A Davison, Lecturer  
Department of Theatre and Dance, School of Design and Creative Technologies, and College of Fine Arts  
BA, Georgia State University, 1993

Kathryn M Dawson, Associate Professor  
Department of Theatre and Dance  
MFA, University of Texas at Austin, 2006

Paul Deemer, Specialist  
Sarah and Ernest Butler School of Music  
MM, University of Miami, 2010

Andrew F Dell'Antonio, Professor  
Sarah and Ernest Butler School of Music  
PhD, University of California-Berkeley, 1991

Douglas J Dempster, Professor  
The Marie and Joseph D. Jamail, Sr. Regents Professorship in Fine Arts  
Department of Theatre and Dance  
PhD, University of North Carolina at Chapel Hill, 1983

Margarita Denenburg, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
DMA, University of Southern California, 2012

Lucas Dimick, Lecturer  
School of Design and Creative Technologies  
MFA, School of the Art Institute of Chicago, 2008

Franchelle Dorn, Professor  
Virginia L. Murchison Regents Professorship in Fine Arts  
Department of Theatre and Dance  
MFA, Yale University, 1975

Lara Rose Dossett, Assistant Professor of Instruction  
Department of Theatre and Dance  
MFA, University of Texas at Austin, 2014

Lucien Douglas, Associate Professor  
Department of Theatre and Dance  
PhD, Michigan State University, East Lansing, 1996

Eric A Drott, Associate Professor  
Sarah and Ernest Butler School of Music  
PhD, Yale University, 2001

Robert A Duke, Professor  
Marlene and Morton Meyerson Centennial Professorship in Music  
Sarah and Ernest Butler School of Music and Department of Medical Education  
PhD, Florida State University, 1983

Jake F Dunagan, Lecturer  
School of Design and Creative Technologies  
PhD, University of Hawaii at Manoa, 2011

John E Durst, Assistant Professor of Practice

Department of Art and Art History  
MFA, Yale University, 2016

Gregory Eaton, Lecturer  
Sarah and Ernest Butler School of Music  
BMus, University of Redlands, 1983

Elizabeth Engelman, Lecturer  
Department of Theatre and Dance  
MFA, Columbia University in the City of New York, 1996

Veit F Erlmann, Professor  
History of Music Chair  
Sarah and Ernest Butler School of Music and Department of  
Anthropology  
PhD, University of Cologne, 1978

Kyle Ellis Evans, Lecturer  
School of Design and Creative Technologies  
MFA, School of the Art Institute of Chicago, 2011

Scott Evans, Assistant Professor of Practice  
School of Design and Creative Technologies and Department of  
Mechanical Engineering  
PhD, University of Texas at Austin, 2005

Christy Faison, Lecturer  
Department of Theatre and Dance  
HS/GED, , 1990

William A Fedkenheuer, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
BM, Rice University, 1998

Enrique Figueredo, Assistant Professor of Practice  
Department of Art and Art History  
MFA, Rutgers the State University of New Jersey New Brunswick  
Campus, 2019

Howard L Fine, Lecturer  
Department of Theatre and Dance  
PhD, Rhode Island College, 2008

George F Flaherty, Associate Professor  
Department of Art and Art History and Center for Mexican American  
Studies  
PhD, University of California-Santa Barbara, 2010

Monica Ann Fogelquist, Assistant Professor of Practice  
Sarah and Ernest Butler School of Music  
MM, University of Texas - Pan American, 2017

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Department of Art and Art History and School of Design and Creative  
Technologies  
BFA, State University of New York at Fredonia, 1990

Eric T Freeman, Lecturer  
School of Design and Creative Technologies  
PhD, Yale University, 1997

John M Fremgen, Associate Professor  
Sarah and Ernest Butler School of Music  
MMus, University of Southern California, 1993

James Gabrillo, Assistant Professor  
Sarah and Ernest Butler School of Music  
PhD, University of Cambridge, 2019

Joshua Gall, Assistant Professor of Practice  
Sarah and Ernest Butler School of Music  
MM, University of Florida, 2014

Scherezade Garcia-Vazquez, Assistant Professor  
Department of Art and Art History  
MFA, City University of New York The City College, 2011

Lauren Gardner, Lecturer  
School of Design and Creative Technologies  
MFA, School of Visual Arts, 2016

Gray B Garmon, Assistant Professor of Practice  
School of Design and Creative Technologies  
MArch, University of Pennsylvania, 2014

Marianne Gedigian, Professor  
Sarah and Ernest Butler Professorship in Flute  
Sarah and Ernest Butler School of Music  
BM, Boston University, 1986

Joshua T Gindele, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
BMus, The Juilliard School, 2000

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Department of Theatre and Dance  
BFA, Shenandoah University, 2006

Tamie Michele Glass, Associate Professor  
School of Design and Creative Technologies  
MArch, University of Oregon, 2001

James J Glavan, Professor  
David Bruton, Jr. Regents Professorship in Fine Arts  
Department of Theatre and Dance  
MA, Kent State University Main Campus, 1984

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School of Design and Creative Technologies and Department of Art and  
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PhD, University of California-Berkeley, 1998

Donald J Grantham, Professor  
Frank C. Erwin, Jr. Centennial Professorship in Music  
Sarah and Ernest Butler School of Music  
DMA, University of Southern California, 1980

Andy Grapko, Lecturer  
Department of Theatre and Dance  
PhD, University of Colorado at Boulder, 2005

Julianne Grasso, Assistant Professor  
Sarah and Ernest Butler School of Music  
PhD, University of Chicago, 2020

Kelcey C Gray, Assistant Professor of Practice  
School of Design and Creative Technologies  
MFA, Maryland Institute College of Art, 2013

Melissa Grogan, Lecturer  
Department of Theatre and Dance  
MFA, University of North Carolina at Greensboro, 2002

Jill L Grove, Assistant Professor  
Sarah and Ernest Butler School of Music  
MM, Texas Tech University, 2018

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PhD, University of Texas at Austin, 1997

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Sarah and Ernest Butler School of Music  
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Sarah and Ernest Butler School of Music  
HS/GED, 1974

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MFA, Northwestern University, 1996

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MFA, California State University-Los Angeles, 1999

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Robert S Hatten, Professor  
Marlene and Morton Meyerson Professorship in Music  
Sarah and Ernest Butler School of Music  
PhD, Indiana University at Bloomington, 1982

Donalyn Heise, Associate Professor of Instruction  
Department of Art and Art History  
EdD, Nova Southeastern University, 2001

Ryan Heller, Lecturer  
Sarah and Ernest Butler School of Music  
MM, Portland State University, 2004

Jeffrey L Hellmer, Professor  
Priscilla Pond Flawn Regents Professorship in Organ or Piano Performance  
Sarah and Ernest Butler School of Music  
MM, University of Rochester, 1983

Michael Henderson, Lecturer  
School of Design and Creative Technologies  
BA&S, Howard University, 2009

Gregory A Hervey, Lecturer  
School of Design and Creative Technologies  
BA, University of Texas at Austin, 1989

David Hier, Lecturer  
Sarah and Ernest Butler School of Music  
PhD, University of Rochester, 2021

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Department of Art and Art History  
MFA, University of South Florida, 2012

Faith Hillis, Lecturer  
School of Design and Creative Technologies  
MFA, University of Texas at Austin, 2020

Adam Holzman, Professor  
Parker C. Fielder Regents Professorship in Music  
Sarah and Ernest Butler School of Music  
MM, Florida State University, 1984

Cam A Houser, Lecturer

School of Design and Creative Technologies and College of Fine Arts  
MBA, University of Texas at Austin, 2010

James Howard, Lecturer  
School of Design and Creative Technologies  
MS, University of Illinois at Urbana-Champaign, 1982

Teresa Hubbard, Professor  
William and Bettye Nowlin Endowed Professorship in Photography  
Department of Art and Art History  
MFA, Nova Scotia College of Art and Design, 1992

Jason Lee Huerta, Lecturer  
Department of Theatre and Dance  
MFA, University of Illinois at Urbana-Champaign, 2015

Patrick Hughes, Associate Professor  
Sarah and Ernest Butler School of Music  
MMus, University of Wisconsin-Madison, 1988

Billy Ray Hunter Jr, Professor  
Frank C. Erwin, Jr. Centennial Professorship in Fine Arts  
Sarah and Ernest Butler School of Music  
MM, The Juilliard School, 1999

Richard Livingstone Huntley, Lecturer  
Sarah and Ernest Butler School of Music  
MM, Manhattan School of Music, 2004

Branden Jacobs-Jenkins, Associate Professor of Practice  
Department of Theatre and Dance  
MA, New York University, 2007

Kristin Wolfe Jensen, Professor  
Sarah and Ernest Butler School of Music  
MM, The Juilliard School, 1991

Ann C Johns, Distinguished Senior Lecturer  
Department of Art and Art History  
PhD, University of Texas at Austin, 2000

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School of Design and Creative Technologies and Department of Theatre and Dance  
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BA, Bethel College, 1996

Annie May Johnston, Assistant Professor of Practice  
Department of Art and Art History  
MFA, University of Texas at Austin, 2016

Jerry F Junkin, Professor  
Vincent R. and Jane D. DiNino Chair for Director of Bands  
Sarah and Ernest Butler School of Music  
MMus, University of Texas at Austin, 1979

Peter Kahng, Lecturer  
College of Fine Arts  
MBA, Stanford University, 2006

Ryan S Kelly, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 2014

Farkhad Khudiyev, Assistant Professor  
Sarah and Ernest Butler School of Music  
MM, Yale University, 2010



Douglas Kinney, Lecturer  
Sarah and Ernest Butler School of Music  
HS/GED, 1986

Mark Kovitya, Lecturer  
Department of Art and Art History  
MFA, University of Texas at Austin, 2019

Jose Kozan, Lecturer  
School of Design and Creative Technologies  
MS, University of Cincinnati Main Campus, 2004

Nathan Langfitt, Lecturer  
College of Fine Arts  
MA, St Edward's University, 2015

Yuliya Lanina, Assistant Professor of Practice  
School of Design and Creative Technologies  
MFA, City University of New York Hunter College, 2010

Lisa Elena Laratta, Lecturer  
Department of Theatre and Dance  
MFA, University of Texas at Austin, 2008

John C Largess, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
BA, Yale University, 1995

Sam Lavigne, Assistant Professor  
School of Design and Creative Technologies  
MPS, New York University, 2015

Delaine E Leonard, Senior Lecturer  
Sarah and Ernest Butler School of Music  
MMus, University of Texas at Austin, 1984

Janice Leoshko, Associate Professor  
Department of Art and Art History and Department of Asian Studies  
PhD, Ohio State U Main Campus, 1987

Brian D Lewis, Professor  
David and Mary Winton Green Chair in String Performance and Pedagogy  
Sarah and Ernest Butler School of Music  
MM, The Juilliard School, 1993

Hannah Lewis, Associate Professor  
School of Design and Creative Technologies and Sarah and Ernest Butler School of Music  
PhD, Harvard University, 2014

William L Lewis, Professor  
Sarah and Ernest Butler School of Music  
BM, Texas Christian University, 1967

Jiabao Li, Assistant Professor  
School of Design and Creative Technologies  
MDES, Harvard University, 2018

Caroline S Liem, Lecturer  
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MFA, University of Illinois at Urbana-Champaign, 1996

Samuel M Lipman, Lecturer  
School of Design and Creative Technologies and Sarah and Ernest Butler School of Music  
School of Design and Creative Technologies and Sarah and Ernest Butler School of Music

MM, University of Texas at Austin, 2017

Beili Liu, Professor  
Leslie Waggener Professorship in the College of Fine Arts  
Department of Art and Art History  
MFA, University of Michigan-Ann Arbor, 2003

Peng Liu, Lecturer  
Sarah and Ernest Butler School of Music  
PhD, University of Texas at Austin, 2021

Sondra Lomax, Lecturer  
College of Fine Arts and Department of Theatre and Dance  
MFA, York College, 1979

Doreen Lorenzo, Professor of Practice  
School of Design and Creative Technologies  
MS, Boston University, 1981

Kristin Lucas, Assistant Professor  
Department of Art and Art History  
MFA, Stanford University, 2006

Kirk E Lynn, Associate Professor  
Department of Theatre and Dance  
MFA, University of Texas at Austin, 2004

Alison Maggart, Assistant Professor of Instruction  
Sarah and Ernest Butler School of Music  
PhD, University of Southern California, 2017

Karen L Maness, Assistant Professor of Practice  
Department of Theatre and Dance and School of Design and Creative Technologies  
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BA, Whittier College, 1995

Travis D Marcum, Lecturer  
College of Fine Arts  
PhD, University of Texas at Austin, 2017

Carra E Martinez, Lecturer  
Department of Theatre and Dance and College of Fine Arts  
PhD, University of Minnesota-Twin Cities, 2017

Gesel Mason, Associate Professor  
Department of Theatre and Dance and Department of African and African Diaspora Studies  
MFA, University of Colorado at Boulder, 2013

James Beattie Maverick, Lecturer  
Sarah and Ernest Butler School of Music  
MM, Indiana University at Bloomington, 2016

Earnest Mazique, Lecturer  
Department of Theatre and Dance  
MA, Emerson College, 2006

Kathryn Kelley McCarthy, Lecturer  
Department of Art and Art History  
MFA, City University of New York Hunter College, 2018

Marilyn R McIntyre, Lecturer  
Department of Theatre and Dance  
MFA, Pennsylvania State University Park, 1992

Richard E McMaster, Associate Professor of Practice  
Department of Art and Art History

MFA, Arizona State University Main, 2008

Rachel E Meador, Lecturer  
Department of Theatre and Dance  
BA, University of Texas at Austin, 2010

Joe Meersman, Lecturer  
School of Design and Creative Technologies  
BFA, University of Illinois at Urbana-Champaign, 2002

Zachary Richard Meisner, Assistant Professor of Practice  
Department of Art and Art History  
MFA, University of Texas at Austin, 2017

Cheryl Miller, Distinguished Senior Lecturer  
School of Design and Creative Technologies  
MS, Pratt Institute, 1985

John R Mills, Professor  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 1998

Robin D Moore, Professor  
Sarah and Ernest Butler School of Music, Department of African and  
African Diaspora Studies, John L Warfield Center for African and African  
American Studies, and Center for Mexican American Studies  
PhD, University of Texas at Austin, 1995

Cynthia C Morrow, Assistant Professor of Practice  
Sarah and Ernest Butler School of Music  
DMA, Ohio State U Main Campus, 1989

James M Morrow Jr, Associate Professor  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 1996

Chris Muenchow, Lecturer  
School of Design and Creative Technologies  
BA, University of Texas at Austin, 2005

Stephennie Mulder, Associate Professor  
Department of Art and Art History, Department of Middle Eastern  
Studies, and Center for Middle Eastern Studies  
PhD, University of Pennsylvania, 2008

Maura C Murnane, Lecturer  
Department of Art and Art History and School of Design and Creative  
Technologies  
Department of Art and Art History and School of Design and Creative  
Technologies  
MFA, University of California-Irvine, 2017

Ashton Bennett Murphy, Lecturer  
Department of Theatre and Dance  
BA, University of Texas at Austin, 2018

Julianna E Murphy, Lecturer  
School of Design and Creative Technologies  
Blndsn, North Carolina State University, 2015

Shannon Murray, Lecturer  
School of Design and Creative Technologies  
MA, Arizona State University Main, 1998

Roger E Myers, Professor  
Sarah and Ernest Butler School of Music  
MM, University of Southern California, 1992

Luisa Nardini, Associate Professor

Sarah and Ernest Butler School of Music  
PhD, Universita degli Studi di Roma La Sapienza, 2001

Sarah N Navasse Miller, Lecturer  
Department of Art and Art History  
MFA, American University, 2011

Anton Nel, Professor  
Joe R. & Teresa Lozano Long Chair in Piano  
Sarah and Ernest Butler School of Music  
MMus, University of Cincinnati Main Campus, 1984

Adele E Nelson, Assistant Professor  
Department of Art and Art History  
PhD, New York University, 2012

Moyosore Benjamin Okediji, Professor  
Department of Art and Art History, Department of African and African  
Diaspora Studies, and John L Warfield Center for African and African  
American Studies  
PhD, University of Wisconsin Colleges, 1995

Guido Olivieri, Professor of Instruction  
Sarah and Ernest Butler School of Music  
PhD, University of California-Santa Barbara, 2005

Sven Ortel, Associate Professor of Practice  
Department of Theatre and Dance and School of Design and Creative  
Technologies  
Department of Theatre and Dance and School of Design and Creative  
Technologies  
BA, Rose Bruford College of Theatre and Performance, 2001

Isaac M Oster, Lecturer  
School of Design and Creative Technologies  
MS, University of Central Florida, 2007

Dorothy Oshea Overbey, Assistant Professor of Practice  
Department of Theatre and Dance  
BFA, Southern Methodist University, 1999

Phillip D Owen, Lecturer  
Department of Theatre and Dance  
MFA, Yale University, 2009

Christopher J Ozley, Lecturer  
School of Design and Creative Technologies  
DMA, University of Texas at Austin, 2018

Stephen C Page, Associate Professor  
Sarah and Ernest Butler School of Music  
DMA, University of Iowa, 2011

Athanasio Papalexandrou, Associate Professor  
Department of Art and Art History and Center for Middle Eastern Studies  
PhD, Princeton University, 1998

Andrew A Parker, Associate Professor  
Sarah and Ernest Butler School of Music  
DMA, University of Michigan-Ann Arbor, 2009

Chia Patino, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
DMA, Indiana University at Bloomington, 2008

Suzanne M Pence, Associate Professor  
Sarah and Ernest Butler School of Music  
DMA, University of Missouri - Kansas City, 1992

Monica Penick, Associate Professor  
School of Design and Creative Technologies  
PhD, University of Texas at Austin, 2007

Jose Manuel Perez, Assistant Professor of Practice  
School of Design and Creative Technologies  
MFA, University of Texas at Austin, 2015

Bogdan P Perzynski, Professor  
Department of Art and Art History  
MFA, Poznan Academy of Fine Arts, 1979

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MDES, Carnegie Mellon University, 2020

Russell Podgorsek, Lecturer  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 2013

Ryan Michael Prendergast, Lecturer  
College of Fine Arts  
MM, University of Illinois at Urbana-Champaign, 2015

Natalie Privett, Lecturer  
School of Design and Creative Technologies and Department of Medical  
Education  
PhD, Stanford University, 2010

Robert Ramirez, Professor  
Z. T. Scott Family Chair in Drama, Theater for Youth Chair, Susan  
Menefee Ragan Regents Professorship in Fine Arts  
Center for Mexican American Studies and Department of Theatre and  
Dance  
MFA, University of Delaware, 1995

Susan W Rather, Professor  
Meredith and Cornelia Long Chair in Art and Art History  
Department of Art and Art History  
PhD, University of Delaware, 1986

Ann M Reynolds, Associate Professor  
Department of Art and Art History and Center for Women's and Gender  
Studies  
PhD, City University of New York Graduate Center, 1993

Josafath I Reynoso Calvillo, Assistant Professor  
Department of Theatre and Dance  
MFA, University of Tennessee, 2015

David S Richard, Lecturer  
School of Design and Creative Technologies  
MS, University of Texas at Austin, 1998

Roberto Paolo Riggio, Specialist  
Sarah and Ernest Butler School of Music  
HS/GED, , 1989

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Department of Theatre and Dance  
MFA, University of Texas at Austin, 2021

Ramon H Rivera-Servera, Professor  
Effie Marie Cain Regents Chair in Fine Arts  
Department of Theatre and Dance and College of Fine Arts  
PhD, University of Texas at Austin, 2003

Lesley Robinson, Lecturer  
College of Fine Arts

MS, Drexel University, 2009

Victor R Rodriguez Tang, Lecturer  
School of Design and Creative Technologies  
BFA, Texas A & M University, 2013

Timothy D Rogers, Lecturer  
College of Fine Arts  
MA, University of Maryland Baltimore, 2012

Rebecca Rossen, Associate Professor  
Department of Theatre and Dance  
PhD, Northwestern University, 2006

Rick E Rowley, Associate Professor of Practice  
Sarah and Ernest Butler School of Music  
HS/GED, , 1973

Jami Rudofsky, Lecturer  
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BFA, University of California-Los Angeles, 1994

Astrid Runggaldier, Associate Professor of Instruction  
Department of Art and Art History  
PhD, Boston University, 2009

Janice Lynch Ryan, Professor of Practice  
School of Design and Creative Technologies  
BBA, Baylor University, 1977

Michael D Sailors, Lecturer  
Sarah and Ernest Butler School of Music  
DMA, University of Texas at Austin, 2013

Wayne W Salzmann II, Specialist  
Sarah and Ernest Butler School of Music  
MM, University of Texas at Austin, 2010

KJ Sanchez, Associate Professor  
Department of Theatre and Dance  
MFA, University of California-San Diego, 1992

Tamara Sanikidze, Professor  
Sarah and Ernest Butler Professorship in Opera  
Sarah and Ernest Butler School of Music  
DMA, University of Maryland College Park, 2010

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Sarah and Ernest Butler School of Music  
MM, University of North Texas, 1986

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Jack G. Taylor Regents Professorship in Fine Arts  
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BA, Wesleyan University, 1998

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Creative Technologies  
DMA, Yale University, 2007

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PhD, University of Illinois at Urbana-Champaign, 1986

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PhD, Columbia University in the City of New York, 1979

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PhD, University of Texas at Austin, 2003

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MFA, University of Texas at Austin, 2017

Dawn Stienecker, Assistant Professor of Instruction  
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PhD, University of North Texas, 2012

John S Stoney, Associate Professor  
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MFA, Cranbrook Academy of Art, 1998

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MFA, Moscow P.I. Tchaikovsky Conservatory, 1979

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Department of Theatre and Dance  
MM, University of Cincinnati Main Campus, 2001

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Linda and David Schele Chair in the Art and Writing of Mesoamerica  
Department of Art and Art History and Department of Anthropology  
PhD, Vanderbilt University, 1995

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School of Design and Creative Technologies  
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Sarah and Ernest Butler School of Music  
MM, Conservatoire national superieur de musique et de danse de  
musique de Paris, 2011

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Sarah and Ernest Butler School of Music  
MM, New England Conservatory of Music, 2008

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Department of Theatre and Dance  
MFA, University of Texas at Austin, 2010

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School of Design and Creative Technologies and Department of  
Computer Science  
PhD, University of Texas at Austin, 2008

Ivan Trevino, Lecturer

Sarah and Ernest Butler School of Music  
MM, University of Rochester, 2010

Bion Tsang, Professor  
Joe R. & Teresa Lozano Long Chair in Cello  
Sarah and Ernest Butler School of Music  
MM, Yale University, 1993

John R Turci, Assistant Professor of Instruction  
Sarah and Ernest Butler School of Music and College of Fine Arts  
PhD, Yale University, 2004

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College of Fine Arts  
MMus, Florida State University, 2021

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MFA, University of Wisconsin-Milwaukee, 2011

Colette T Valentine, Associate Professor  
Sarah and Ernest Butler School of Music  
DMA, State University of New York at Stony Brook, 2005

Raven Veal, Lecturer  
School of Design and Creative Technologies  
PhD, University of Texas Health Science Center at Houston, 2017

Charles W Villarrubia, Professor  
Sarah and Ernest Butler School of Music  
MM, Boston University, 1988

Louis A Waldman, Associate Professor  
Department of Art and Art History and Department of French and Italian  
PhD, New York University, 1999

LaToya Alexandra Webb, Assistant Professor of Practice  
Sarah and Ernest Butler School of Music  
PhD, Auburn University, 2020

Justin West, Assistant Professor  
Sarah and Ernest Butler School of Music  
PhD, University of North Texas, 2018

Marianne Wheeldon, Professor  
Sarah and Ernest Butler School of Music  
PhD, Yale University, 1997

Darlene C Wiley, Professor  
Frank C. Erwin, Jr. Centennial Professorship in Opera  
Sarah and Ernest Butler School of Music  
MM, University of Illinois at Urbana-Champaign, 1969

Holly A Williams, Professor  
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MFA, Texas Woman's University - Denton, 1994

Jeff Williams, Associate Professor  
Department of Art and Art History  
MFA, Syracuse University Main Campus, 2002

Scott R Witthoft, Associate Professor of Practice  
School of Design and Creative Technologies  
MS, Stanford University, 2008

Patti Wolf, Assistant Professor of Practice  
Sarah and Ernest Butler School of Music  
MM, Yale University, 1989

Satoko S Yamamoto, Associate Professor of Practice

Sarah and Ernest Butler School of Music  
MMus, Cleveland Institute of Music, 1998

John A Yancey, Professor  
John D. Murchison Regents Professorship in Art  
Department of Art and Art History and College of Fine Arts  
MFA, Georgia Southern University, 1993

Marjorie Yankeelov, Lecturer  
College of Fine Arts  
MM, University of Cincinnati Main Campus, 2001

## John A. and Katherine G. Jackson School of Geosciences

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## General Information

### Mission

As civilization enters an era of increasing challenge, it is imperative that leaders, professionals, and citizens be well educated and be competently and realistically able to address issues of local to global scope. With regard to the origin, history, structure, and processes of the planet Earth, and the use and management of its resources, the John A. and Katherine G. Jackson School of Geosciences aims to provide such an education. The objective of every natural science, including geological sciences, is to understand the realm of physical nature. Geological sciences, or geosciences, is a synthetic subject that examines the Earth through such traditional subdisciplines as geophysics, hydrogeology, paleontology, petrology, stratigraphy, and structural geology. Geoscientists also draw upon discoveries from mathematics, geography, archaeology, engineering, and the other sciences to meld an approach that is interdisciplinary, yet uniquely geological.

The need for well-educated geoscientists in industry, government, and education promises a bright future for geoscience professionals in the coming decades. As the human population expands, it is essential to develop sufficient resources and to maintain a livable environment. Geoscientists understand the dynamics of the Earth and its systems—the occurrence of natural resources and the diverse time scales of natural and human-induced change.

Every university seeks to enrich the education of its student body generally. Study of geosciences enhances a liberal arts or arts and sciences education. Geoscientists use experiments and observations to explore origins and processes, whether of the Earth itself, of geologic phenomena, or of the history of life. They operate in the conventional three dimensions of space and in the fourth dimension of deep geologic time. Both in the laboratory and in the field, geoscientists examine the Earth on all scales, from atomic nuclei, to a hand sample of rock, to an entire landscape, to continents and oceans, to the planet as a whole.

### Vision

The [Jackson School of Geosciences](#) at The University of Texas at Austin is among the most established and well-regarded geosciences programs in the world. The school includes the University's [Department of Geological Sciences](#), one of the country's oldest geological sciences departments, and two world-renowned research units, the [Institute for Geophysics](#) and the [Bureau of Economic Geology](#). The school is home to the world's largest academic geosciences community of

alumni, research scientists, and faculty members as well as one of the largest combined graduate and undergraduate enrollments of any major geoscience program.

The Jackson School is both old and new. It traces its origins to the Department of Geology founded in 1888 but became a separate unit at the level of a college on September 1, 2005. The school's formation resulted from one of the most generous gifts in the history of higher education when the late John A. and Katherine G. Jackson bequeathed endowments and assets toward "the subjects of geology; geophysics; energy, mineral and water resources; as well as the broad areas of the earth sciences, including the Earth's environment." The charge of their gift and the responsibilities that come with it are reflected in the school's vision:

To become the preeminent geosciences program in the country with international prominence in geology, geophysics, energy, mineral and water resources, and in the broad areas of the earth sciences, including the Earth's environment. To realize this vision, the Jackson School will pursue initiatives that:

- Place the school at the forefront of research.
- Place the school at the forefront of education, student services, and student opportunities.
- Create the fabric of a great college.
- Increase competitiveness for top talent.

## Financial Assistance Available through the School

Through the Geology Foundation, the Jackson School of Geosciences (JSG) is able to provide financial assistance to its students through funds established by individuals, foundations, and industrial or research organizations. Scholarships are currently awarded on the basis of academic standing and performance including, but not limited to, grade point average, progress towards degree, and hours completed. Additional scholarship opportunities that may be available while enrolled in the Jackson School include recruitment scholarships, academic support scholarships and field course financial assistance. All students may also seek financial assistance through the University's Office of Scholarships and Financial Aid. Additional information for all of the [JSG Financial Assistance](#) programs is available online.

## Student Services

The mission of the Jackson School of Geosciences Student Services Office is to facilitate students' development and advancement in the Jackson School community and beyond. Services provided to all Jackson School majors and non-majors such as professional academic advising and career counseling are available to students year-round.

## Academic Advising

The JSG Academic Advising office, located in the Holland Family Student Center serves the undergraduate students of the Jackson School by offering academic advising and guidance. Each undergraduate student is expected to meet with a JSG academic advisor at least once per semester to review his/her academic progress and prepare to register for the next semester. Information related to JSG academic programs and opportunities is frequently distributed to students via email which is considered an official form of communication by the University. Students are responsible for reading this information and taking the necessary actions in a timely manner. JSG Student Services staff is available

to meet with students throughout the year to address any issues or questions they may have.

## Counseling and Referral Services

The Jackson School of Geosciences Student Services office advises and counsels students about problems or concerns they have about their academic work or life in the school. In addition, University counseling services are available from the [Counseling and Mental Health Center](#), the Telephone Counseling Service, the [Sanger Learning Center](#), and [University Health Services](#). These offices are described in the *General Information Catalog*.

## Career Services

The Jackson School of Geosciences (JSG) Career Services Office, located in the Holland Family Student Center, serves the undergraduate and graduate students of the Jackson School by offering career development workshops, job search resources, and opportunities to network with alumni, recruiters and members of industry.

The JSG Career Services Office assists Jackson School students in researching, preparing for and identifying opportunities for full-time or part-time jobs and internships. The staff posts job opportunities throughout the year and hosts company information sessions as well as on-campus interviews with recruiters each fall and spring. The Jackson School of Geosciences Career Fair, which brings students and employers together every fall, provides another forum for geosciences students to learn about different career opportunities.

Career services for students who plan to teach are provided by Education Career Services in the College of Education and by UTeach-Natural Sciences. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

## Admission and Registration

### Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. All students who wish to major in geological sciences must be admitted to the University according to the procedures given in the [General Information Catalog](#).

Students admitted to the University with deficiencies in high school units must remove the deficiencies as prescribed in the [General Information Catalog](#).

Admission to the Jackson School is granted for the fall semester only. All freshmen and external transfer students are expected to attend New Student Orientation the summer before they enter the school.

### Admission to the Environmental Science Program

All freshmen and external transfer students majoring in environmental science (EVS) are first admitted to the University as entry-level EVS majors in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences. After completing a minimum of 24 hours in residence, students may select the EVS degree plan that best suits their long-term interests and, if necessary, transfer to the appropriate college/school in accordance with the regulations and procedures set forth in that college or school's [General Information Catalog](#).

### Freshman Admission

Freshmen applicants seeking admission to the EVS major through the Jackson School of Geosciences, the College of Liberal Arts, or

the College of Natural Sciences must meet the calculus readiness requirement by the official admissions application deadline. More information about the calculus readiness requirement is available through the University Admissions Office or [online](#).

Freshmen applicants to the EVS major from all three colleges/schools are reviewed and admitted as a single cohort. Applicants should use the [ApplyTexas](#) online application and select the "Environmental Science, Entry-Level" major option listed in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences as a first-choice major. Applicants should apply to the EVS program in the college that best suits their anticipated area of focus (geological sciences, or geographical sciences, or biological sciences, respectively).

## External Transfer Admission

Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in the [General Information Catalog](#). External transfer applicants seeking admission to the Environmental Science (EVS) Degree Program through the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences must demonstrate calculus readiness by the official admissions application deadline. Details regarding transfer calculus readiness are available through the University Admissions Office or [online](#).

External transfer applicants to the EVS major from all three colleges/schools are reviewed and admitted as a single cohort. Applicants should use the [ApplyTexas](#) online application and select the "Environmental Science, Entry-Level" major option listed in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences as a first-choice major. Applicants should apply to the EVS program in the college that best suits their anticipated area of focus (geological sciences, geographical sciences, or biological sciences, respectively).

## Internal Transfer Admission

Internal transfer, entry-level applications submitted to the EVS major through the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences are reviewed and admitted as a single cohort. All internal transfer applicants should use the online [EVS Program Transfer Application](#) and must meet the requirements for internal transfer given in the [General Information Catalog](#).

To be competitive for admission, internal transfer applicants should have a grade point average of at least 3.00 in Biology 311C, Chemistry 301, Mathematics 408C or 408N or 408K, and Geological Sciences 401 or 303.

Additional Information for all internal transfer applicants:

- Application Deadline: March 1st for entry the following academic year.
- Only currently enrolled students in good academic standing with their college of residence may apply.
- Students may apply during the semester they are completing the minimum requirements to be eligible for consideration.
- Entry-level admission to all Environmental Science majors is offered as a space is available to the students who are best qualified. Decisions are based on the student's grade point average in the introductory science and math courses listed above, University grade point average, and other factors including, but not limited to, difficulty of course load, course repetitions, proven mathematical ability, and interest in the field of Environmental Science.

Students should consult with an Academic Advisor for additional information on the application process and deadlines.

## Admission to the Geological Sciences Program

### Freshman Admission

Freshman applicants seeking admission to the Jackson School must meet the published University admissions requirements for the major by the official admissions application deadline. More information about admission requirements are available through the University Admissions Office or [online](#).

Applicants to the Jackson School of Geosciences must use the [ApplyTexas](#) online application and select geological sciences, entry-level as a first-choice major. When selecting a second-choice major, freshman applicants may choose from one of the many other majors offered at the University. Those students interested in applying to the environmental science degree program should refer to the information provided above. Those students interested in applying to the geosystems engineering and hydrogeology degree program should refer to the information provided below.

### External Transfer Admission

Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in the [General Information Catalog](#). External transfer applicants seeking admission to the Jackson School of Geosciences must meet all published University admission requirements for the major and submit a complete application by the official admissions application deadline. External transfer applicants to the Jackson School must use the [ApplyTexas](#) online application and select geological sciences, entry-level as a first-choice major.

Only courses listed in the student's geosciences degree program, or equivalent courses approved by the Associate Dean for Academic Affairs, may be counted toward a geosciences degree. A course may therefore be accepted for transfer credit but not be applicable toward a geosciences degree. Prospective students are encouraged to consult the geological sciences degree plans and transfer course equivalency information available online.

### Internal Transfer Admission

Students enrolled in another college or school at the University may apply in early spring to be considered for admission to the Jackson School of Geosciences the following fall semester. A cumulative in-residence grade point average of 3.0 or higher is generally recommended to be competitive for admission. The following minimum requirements for consideration are in addition to the requirements to transfer from one division to another given in the [General Information Catalog](#).

- a. Completion of at least 24 semester hours of coursework in residence at the University. Credit by exam and correspondence, extension and transfer hours may not be counted toward this requirement.
- b. Completion of, or enrollment in, the following courses or their equivalent at the time of application. A grade of C- or higher required in completed courses to fulfill this requirement.
  - For students with less than 30 semester hours of coursework in residence at the University at the completion of the spring semester in which they apply; Mathematics 408C or 408K and 408L. For students with 30 hours or more: Mathematics 408D or 408M.
  - Geological Sciences 401 or 303.
  - Chemistry 301.

Additional information for all internal transfer applicants:

- Only currently enrolled students may apply.
- Students may apply during the semester they are completing the minimum requirements to be eligible for consideration.
- Interested students are encouraged to attend a Jackson School internal transfer information session prior to the spring they intend to submit an application for internal transfer. A schedule of information sessions as well as additional information about the application process, online application, and submission deadlines are available on the Jackson School undergraduate [website](#).
- Completion of Mathematics 408L, 408M, or 408D,
- Completion of Physics 303K and 103M,
- Completion of a minimum of four technical courses. Technical courses include courses offered in mathematics, physics, chemistry, biology, geology, computer science, and engineering.

Admission applications that are not complete by the March 1st deadline may be held to a higher admissions standard than those that are complete, if enrollment limits are reached.

## Internal Transfer within the Jackson School

A geological sciences student interested in transferring to a different degree program within the Jackson School must submit an application in early spring for admission review. Students must meet the same minimum requirements as students applying to transfer from another division of the University to be eligible for consideration.

Students in the BS Geosystems Engineering and Hydrogeology and BS Environmental Science degree programs may have an active student status in more than one college or school over the course of their degree program. These arrangements are in place to provide students access to required courses not offered in their primary college or school. The Cockrell School of Engineering is the primary school for the GEH degree and the College of Liberal Arts, College of Natural Sciences, or Jackson School for the EVS degree. Therefore, students in these degree programs interested in transferring to a geological sciences degree program in the Jackson School must submit an internal transfer application for consideration as outlined in this section.

## Admission to the Geosystems Engineering and Hydrogeology Program

The Bachelor of Science in Geosystems Engineering and Hydrogeology (GEH) is offered jointly by the Cockrell School of Engineering and the Jackson School of Geosciences. Students are simultaneously registered in both schools once accepted.

### Freshmen Admission

Freshmen applicants seeking admission to the GEH degree program are admitted through the Jackson School of Geosciences. Applicants must meet the calculus readiness requirement by the official admissions application deadline. More information about calculus readiness is available through the University admissions office or [online](#).

Applicants to the GEH program should use the [ApplyTexas](#) online application and select geosystems engineering and hydrogeology as a first-choice major. When selecting a second-choice major, freshman applicants may choose from one of the many other majors offered at the University.

### External Transfer Admission

Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in the [General Information Catalog](#). External transfer applicants are admitted through the Cockrell School of Engineering and should use the [ApplyTexas](#) online application and select geosystems engineering and hydrogeology as a first-choice major. Requirements for admission as a transfer student vary, but all transfer applicants must submit transcripts of all college and high school coursework.

External transfer applicants will be required to meet the following minimum criteria to be considered for admission to the geosystems engineering and hydrogeology major:

## Internal Transfer Admissions

Students interested in transferring to the GEH program from another division of the University must apply through the Cockrell School of Engineering. Please refer to the [General Information Catalog](#) as well as the Cockrell School of Engineering portion of the Undergraduate Catalog for minimum requirements, application deadlines, and other information regarding internal transfer admissions for the geosystems engineering and hydrogeology degree program.

## Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transferring from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, contains registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and [General Information Catalog](#) are published on the registrar's [website](#).

## Academic Policies and Procedures

### Mathematics Placement

Mathematics, in the form of calculus or statistics, is required for all geological sciences degrees. To enroll in a calculus or statistics course at the University, students must first take the mathematics placement exam per the College of Natural Sciences, Department of Mathematics. All Jackson School students are required to complete the placement exam immediately before the semester they intend to enroll in a calculus or statistics course. First-year incoming students are required to complete this placement exam during summer orientation.

### Consent of Instructor

Some courses in the Jackson School of Geosciences require that consent of instructor be obtained prior to registering. To be able to register for such a course, the student must first ask for and receive the instructor's written consent. Consent of Instructor forms are available in the JSG Student Services Office. The student is responsible for turning the instructor's written approval in to a JSG advisor and then adding the course to their semester schedule by the published deadlines.

### Minimum Scholastic Requirements

The student must earn a cumulative grade point average of at least 2.00 in all courses taken at The University of Texas at Austin (including credit by examination, correspondence, and extension) for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. In addition, the student must earn a grade point average of at least 2.00 in geological sciences courses taken at the University and counted toward the major requirement. The student must earn a grade of at least *C-* in each course used to fulfill any of the requirements for the degree. For more information about grades and the grade point average, see the [General Information Catalog](#).



## Academic Probation and Dismissal

Students are expected to make continuous progress toward the degree while maintaining the University minimum scholastic requirements. A student is placed on academic probation if his or her grade point average falls below 2.00. University regulations on scholastic probation and dismissal are given in the [General Information Catalog](#).

Students on academic probation are expected to focus on academic improvement and thus are not allowed to hold student offices (elected or appointed) or to receive college stipends for travel to professional meetings or other college-sponsored events.

Students in the Bachelor of Science in Geosystems Engineering and Hydrogeology (GEH) degree program must maintain the scholastic requirements of the Cockrell School of Engineering. Although GEH students have an active student status in the Jackson School, they are subject to the academic policies and procedures of the Cockrell School of Engineering.

## Satisfactory Progress

Students are expected to make continuous progress toward the degree by completing required geological sciences coursework each semester, as outlined in the suggested arrangement of courses for each degree plan. Students who fail to take required geological sciences coursework for two consecutive long semesters will be transferred into the Bachelor of Arts degree plan. Students will be notified before this action is taken; they must meet with a JSG academic advisor upon being notified.

## Repetition of a Course

A student may not enroll in any course in the Jackson School more than twice, even if the course is needed to meet degree requirements, without first obtaining written consent from the Associate Dean for Academic Affairs. The symbol *Q* or *W* counts as an enrollment unless it has been approved by the Associate Dean for Academic Affairs as nonacademic.

A student who is denied approval to repeat a course in residence at the University will also be denied approval to complete the course by transfer, extension, correspondence, distance education, or credit by examination and then count it towards the degree.

## Concurrent Enrollment

Concurrent enrollment is enrollment simultaneously at the University and at another educational institution or in any combination of correspondence, extension and online or distance education courses. During a long semester students enrolled in the Jackson School of Geosciences are not allowed to take courses at another school or institution or by correspondence or extension at the University unless approved in advance by the Associate Dean for Academic Affairs.

A student in his or her final semester may not enroll concurrently at another institution in any course, including a distance education course, to be counted toward the degree. In the final semester, the student may also not enroll by extension or correspondence in coursework to be counted toward the degree. All transfer, extension, and correspondence coursework must be added to the student's official record before his or her last semester.

## Undergraduates in a Graduate Course

The Jackson School encourages undergraduates who excel academically and would benefit from further challenges to enroll in graduate courses. With permission, undergraduates may count graduate courses toward their undergraduate degrees or may reserve them for graduate credit. To enroll in a graduate course, undergraduates

must meet the University's eligibility requirements and must receive permission from the course instructor, the graduate advisor for the offering department, and the dean's office. Undergraduates reserving courses for graduate credit must also receive permission from the graduate dean. More information is available in the section [Coursework in the Graduate School and the School of Law](#) (p. 19).

## Petitions for Degree Requirements

Petitions for modifications to degree requirements, with the exception of the University-wide Core Curriculum, are handled through the JSG Student Services Office. Students must meet with an advisor to submit their petition before the 12th class day of the semester. An academic advisor initiates the petition on the student's behalf and routes it through the review process. Final decisions on all petitions are made by the Jackson School dean's office.

## Attendance

Jackson School students are expected to attend all meetings of the classes for which they are registered. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have attendance requirements; these should be made known to students during the first week of classes. With the approval of the dean, a student may be dropped from a course with a grade of *F* for repeated unexcused absences.

## Portable Computing Devices

Students entering the geological sciences major are required to have access to a portable computing device capable of running the software tools required for undergraduate computational sciences analyses (MATLAB, Word, etc.) and accessing the remote server for the department. This device may not need to be brought to campus on a daily basis, but individual courses may require that the device be brought to certain labs, lectures, and/or exams. Minimum and recommended specifications may be found on the department website and/or in the course syllabus.

## Honors

### University Honors

Each fall and spring semester, undergraduates who complete a full course load and earn outstanding grades, are recognized on the fall or spring University Honors list, respectively. Students are notified on the semester grade report of their inclusion on the list. The Jackson School hosts an event each spring to recognize JSG University Honors students in conjunction with University-wide Honors Day.

Additional information on University Honors is available in the [General Information Catalog](#).

### School Honors Program

The Jackson School offers a departmental honors program to its majors. Students who wish to participate in the program should submit an application to the JSG Student Services Office when they have completed 60 semester hours of coursework, including at least 12 semester hours of upper-division coursework in geological sciences. The Jackson School of Geosciences Honors Program receives an increasing number of qualified applications each year and not all applicants are guaranteed acceptance.

Minimum requirements for the completion of this program are:

- a. A cumulative University grade point average of at least 3.00, and a grade point average in geological sciences of at least 3.50,

- b. Geological Sciences 171H, 172H, and 173H with a grade of at least *B-* in each,
- c. Geological Sciences 379H, with a grade of at least *B-*,
- d. Completion at the University of at least 60 semester hours of coursework counted toward the degree.

An honors student who completes all program requirements will receive the designation “Special Honors in Geological Sciences” on his or her transcript and be recognized at the Jackson School commencement ceremony.

## Graduation

### Special Requirements of the School

All students must fulfill the [general requirements](#) (p. 20) for graduation. Students in the Jackson School must also fulfill the following requirements:

- a. All University students must have a grade point average of at least 2.00 to graduate. Jackson School students must also have a grade point average in geological science courses of at least 2.00. Students in the Geological Sciences Departmental Honors Program must have a University grade point average of at least 3.00 and a grade point average in geological science courses of at least 3.50.
- b. The University requires that students complete at least 60 semester hours of the coursework counted toward the degree in residence. For the Bachelor of Arts in Geological Sciences, these 60 hours must include at least 18 hours in geological sciences.
- c. The University requires that at least six semester hours of advanced coursework in the major be completed in residence. Options I, II, and III of the Bachelor of Science in Geological Sciences require at least 18 hours of upper-division coursework in geological sciences be completed in residence; Option V requires at least 12 hours.

### Degree Audit

All Jackson School students are expected to monitor their degree progress through regular use of the University's [Interactive Degree Audit](#) (IDA) system. IDA provides the students with a report of their progress toward completion of requirements for a specific degree program. The degree audit normally provides an accurate statement of requirements, but the student is responsible for knowing the requirements of the degree as stated in the undergraduate catalog under which the student is eligible to graduate and for registering so as to fulfill all requirements. The student should consult with a JSG academic advisor before registering if in doubt about any requirement.

### Applying for Graduation

A student is eligible to graduate if their Jackson School degree audit is 100 percent complete. If an eligible student fails to submit a graduation application by the semester deadline given in the academic calendar, a graduation application may be submitted by the academic dean or designee. An application submitted under these circumstances cannot be cancelled without a successful appeal to the Office of the Provost. Refer to the Graduation Appeal Application for further information.

In the semester or summer session in which a student is eligible to graduate, the student must be registered at the University and must file a graduation application form with the JSG Student Services Office. This should be done at the beginning of the semester in which the student intends to graduate; it must be done by the deadline to apply for an undergraduate degree, which is noted in the official academic calendar.

An official degree audit must be on file when the student submits the graduation application. A student who applies for graduation but does not receive the degree must promptly contact a JSG academic advisor to discuss next steps. The student will be required to submit a new graduation application in the semester they intend to graduate.

The student must be registered at the University in the semester or summer session in which the degree is to be granted. This requirement may be fulfilled by registering for courses in residence or by registering in absentia. For information about registration in absentia, the student must consult the JSG Student Services office no later than the second week of the semester in which the student intends to graduate.

Course credit received by credit-by-exam, correspondence, or transfer does not fulfill the residence requirement. Students planning to receive credits by any of these means are expected to monitor their academic record to ensure all documentation is received **before** the semester in which the student intends to graduate.

No degree will be conferred unless all requirements have been fulfilled and all deadlines met.

### Commencement

The Jackson School of Geosciences graduation ceremony is held each spring in conjunction with the University-wide commencement ceremony. Students graduating with University Honors, School Honors and Jackson Scholars are recognized at the school's ceremony. Participation in the commencement ceremony does not constitute applying to graduate or official completion and receipt of a degree.

Students who complete all degree requirements in the fall or summer of the same academic year as the school's ceremony may be eligible to participate in the school's spring ceremony. Whereas all spring graduates must submit an application to graduate, fall graduates and prospective summer graduates must submit an application to walk by the published deadline. Final decisions regarding eligibility to participate will be determined by the dean's office if needed.

## Degrees and Programs

### Degrees Offered

The Jackson School offers the Bachelor of Arts in Geological Sciences, the Bachelor of Science in Environmental Science, the Bachelor of Science in Geological Sciences, and, in partnership with the Cockrell School of Engineering, the Bachelor of Science in Geosystems Engineering and Hydrogeology. Whichever degree they pursue, geological sciences students must take courses in the Jackson School of Geosciences (JSG), the College of Natural Sciences, and the College of Liberal Arts. These units work together to meet students' individual needs and to ensure that they receive a superior education. Graduation from an accredited program is an advantage when applying for a position in industry, membership in a professional society or for registration as a professional geologist.

### Core Curriculum

Each student must complete the University's [Core Curriculum](#). The Core Curriculum includes the first-year signature course and courses in English composition, American and Texas government, American history, mathematics, science and technology, visual and performing arts, humanities, and social and behavioral sciences. The core is an integral part of all geosciences degree programs so graduates will be aware of their social responsibilities and the effects of technology on society.

## Flags

In the process of fulfilling geosciences degree requirements, students must also complete two courses beyond Rhetoric and Writing 306, or its equivalent, with writing flags, one quantitative reasoning flag, one global cultures flag, one cultural diversity in the United States flag, one ethics flag, and one independent inquiry flag. Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#) and may be used simultaneously to fulfill other requirements, unless otherwise specified.

## Foreign Language Requirement

In accordance with the University's basic education requirements, all students must demonstrate proficiency in a foreign language equivalent to that shown by completion of two semesters of college coursework. This requirement may be fulfilled by either completion of the two high school units in a single foreign language that are required for admission to the University as a freshman or by earning college-level foreign language credit to meet beginning-level proficiency. Students who enter the University with fewer than two high school units in a single foreign language must remove that deficiency as specified in the *General Information Catalog*. The foreign language courses/credit used to address that deficiency may not be counted toward the total number of semester hours required for a degree.

Individual degree programs may include additional foreign language requirements.

## Undergraduate Research Courses

The Jackson School supports undergraduate research through numerous programs specifically for undergraduate geological sciences majors. Undergraduates have the opportunity to take part in research experiences that enrich their academic studies and career trajectories. Participating students may be eligible to earn University credit, special departmental honors for exceptional research, and recognition at spring graduation depending on the undergraduate research program they complete.

In order to be eligible to earn University credit for undergraduate research work, students must be enrolled in the BS Geological Sciences Option I, II, or III degree program and have a complete undergraduate research contract on file with the JSG Student Services Office prior to registration. Students may count up to six semester hours of geological sciences research courses, as listed below, toward the required total upper-division elective hours in geological sciences.

- Choice 1: Geological Sciences 371C and up to three credit hours of Geological Sciences 171C, and 271C; or
- Choice 2: *Restricted to students enrolled in the Geological Sciences Departmental Honors Program*, Geological Sciences 171H, 172H, 173H, and 379H.
- Students may not earn course credit for research work completed as a paid undergraduate research assistant.

## Simultaneous Majors

A student in the Jackson School may pursue two majors simultaneously. The student must follow all procedures and meet all requirements outlined in the *General Information Catalog* as well as those associated with both majors. A JSG student may not pursue any two geosciences majors, including the BS Environmental Science degree option, simultaneously.

The simultaneous major option is available only to undergraduates who have completed 30 hours of coursework in residence at the University and who have been admitted to both degree programs.

## Length of Degree Program

An eight-semester arrangement of courses leading to the bachelor's degree is given for each of the geological sciences degree plans. The order in which the courses are taken is critical due to the prerequisites for required courses and schedule when courses are offered. A student who registers for fewer than the indicated number of hours for each semester or skips prerequisite courses may need more than eight semesters to complete the degree. The student is responsible for including in each semester's work any courses that are prerequisite to those the student will take the following semester.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses and Kinesiology 119 may not be counted toward a degree in the Jackson School. However, they are counted as courses for which the student is enrolled, and the grades are included in the grade point average.

### ROTC Courses

The Departments of Air Force Science, Military Science, and Naval Science maintain ROTC units on campus. Information about each program is available from the chair of the department concerned.

Nine semester hours of coursework in air force science, military science, or naval science may be counted toward any degree in the Jackson School. Such credit may be used only as electives or to fulfill the writing requirement, and only by students who are commissioned by the University ROTC program.

## Correspondence and Extension Courses

During a long semester students enrolled in the Jackson School are not allowed to take courses at another school or institution or by correspondence or extension at the University unless approved in advance by the Associate Dean for Academic Affairs. Students must submit a concurrent enrollment petition and meet with a JSG academic advisor for approval well in advance of the start of the requested course.

No more than 30 percent of the semester hours required for any degree in the Jackson School may be completed online, by correspondence, or through distance learning, including University Extension courses. These courses are not included in certain metrics, such as total hours, residency status, etc., and therefore may affect students' eligibility for some JSG programs.

## Courses Taken on the Pass/Fail Basis

All courses required for all geological sciences degrees must be taken for a letter grade unless the course is offered only on the pass/fail basis. A student may elect to take courses that do not count toward the degree or are being taken to remove a deficiency on the pass/fail basis rather than for a letter grade. To elect the pass/fail system of grading a student must have received at least 30 hours of college credit before registering for any course on the pass/fail basis, unless the course is offered only on the pass/fail basis. Complete rules on registration on the pass/fail basis are given in the [General Information Catalog](#).

## Bible Courses

No more than 12 semester hours of Bible courses may be counted toward a degree.

## Bachelor of Arts in Geological Sciences

The Bachelor of Arts in Geological Sciences is a classical arts and sciences degree that gives students a great deal of flexibility in their choice of upper-division courses. Students must complete courses in the natural sciences, the social and behavioral sciences, and the humanities. This diversity of subjects provides an opportunity to learn about basic differences in outlook among different disciplines, the ways questions are raised and answered, and the ways the answers are validated and made relevant in practical use.

Students who plan to become professional geoscientists should pursue one of the BS Geological Sciences degree options. The BS Geological Sciences, Option V: UTeach is available for students interested in pursuing a career teaching math and science at the middle and secondary school level.

### Additional Requirements Specific to the BA Geological Sciences

The coursework counted toward the degree may include no more than 36 hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences; and no more than 36 hours in any other single college or school of the University, including the Jackson School.

At least 18 semester hours of coursework in geological sciences, including six hours of upper-division coursework, must be completed in residence at the University. As long as all residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the semester hours required for the degree), or, with the approval of the dean, by work transferred from another institution.

Degree requirements are divided into three categories: university-wide undergraduate degree requirements such as the University Core Curriculum and flag requirements, prescribed work for the degree, and major requirements. In addition, the student must fulfill the University's general requirements and the requirements of the Jackson School of Geosciences.

### Prescribed Work

- a. Foreign Language Requirement: The BA, Geological Sciences degree requires that students achieve Intermediate-level proficiency in a foreign language as part of the degree requirements. The foreign language requirement is the attainment of a certain proficiency, rather than the completion of a specified number of hours. The number of semesters and total number of hours required vary by language. Any part of the requirement may be fulfilled by credit by examination. Courses used to fulfill the foreign language requirement must be language courses; literature-in-translation courses, for example, may not be counted. Consult the Intermediate-level language proficiency course list to see which classes are required to complete this degree requirement for a specific language. Students are encouraged to consult with their academic advisor about fulfilling the foreign language degree requirement.
- b. Social Science: Three semester hours in social science, in addition to the course counted toward the social and behavioral sciences requirement of the core curriculum. The course must be chosen from the following fields and it must be in a different field from the course used to fulfill the Core Curriculum social and behavioral sciences requirement.
  - a. Anthropology
  - b. Economics
  - c. Geography
  - d. Linguistics
  - e. Psychology
  - f. Sociology
- c. Natural Science: Six semester hours in natural sciences, in addition to the courses counted toward the science and technology requirements of the Core Curriculum. Courses must be chosen from the following fields; no more than three hours may be in either the history of science or the philosophy of science.
  - a. Astronomy
  - b. Biology
  - c. Chemistry
  - d. Marine science
  - e. Nutrition
  - f. Physical science
  - g. Physics
  - h. Mathematics
  - i. Computer science
  - j. Experimental psychology
  - k. Physical anthropology
  - l. Physical geography
  - m. Philosophy (courses in logic)
  - n. History of science and philosophy of science
- d. General Culture: Three semester hours in addition to the course counted toward the visual and performing arts requirement of the Core Curriculum. Courses in the following fields may be used:
  - a. Architecture
  - b. Classical civilization, Greek, Latin
  - c. Art history, design, ensemble, fine arts, instruments, music, studio art, theatre and dance, visual art studies
  - d. Philosophy (excluding courses in logic)
- e. Interdisciplinary Studies: 12 semester hours, of which at least six must be upper-division courses, in any one of the disciplines listed below. These courses must be in addition to those counted toward the Core Curriculum requirements, prescribed work or major requirements.
  - i. Anthropology
  - ii. Astronomy
  - iii. Biology
  - iv. Business
  - v. Computer science
  - vi. Chemistry
  - vii. Education
  - viii. Engineering
  - ix. Geography
  - x. Mathematics
  - xi. Physics
  - xii. Other disciplines may be chosen with submission and approval of a petition through the JSG Student Services Office.
- f. Enough additional upper-division coursework to total 36 semester hours.

## Major Requirements

- Geological Sciences 401 or 303, 405, 416K, 416M, and 420K.
- Six semester hours in biology.
- Chemistry 301 and 302.
- Three semester hours in physics.
- Enough additional coursework to total 32 semester hours in geological sciences.
- A total of 120 hours of coursework including core, prescribed and major work.

GOV 312L (Core) <sup>070</sup>	3 U.S. History (Core) <sup>060</sup>	3
Upper-division elective (Elective)	3 Visual and Performing Arts (Core) <sup>050</sup>	3
Upper-division elective (Elective)	3 Upper-division Interdisciplinary Studies course (Elective)	3
		<b>15</b>
		<b>15</b>
		<b>0</b>

Total credit hours: 123

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Geological Sciences (BAGeoSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 401 or 303 (Major)	4	GEO 405 (Major)	4	(None)	
Mathematics (Core) <sup>020</sup>	3	BIO course (General Education)	3		
CH 301 (General Education)	3	CH 302 (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
General Culture course (General Education)	3				
<b>16</b>		<b>13</b>		<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	GEO 420K (Major)	4	(None)	
GEO 416M (Major)	4	PHY 302K or 303K (General Education)	3		
BIO course (General Education)	3	U.S. History (Core) <sup>060</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
<b>17</b>		<b>16</b>		<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division GEO course (Major)	4	Upper-division GEO course (Major)	3	(None)	
Upper-division GEO course (Major)	3	Upper-division GEO course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Social Science course (Major)	3		
Interdisciplinary Studies course (Elective)	3	Interdisciplinary Studies course (Elective)	3		
<b>16</b>		<b>15</b>		<b>0</b>	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division GEO course (Major)	3	Upper-division GEO course (Major)	3	(None)	
Upper-division Interdisciplinary Studies course (Elective)	3	Upper-division GEO course (Major)	3		

## Bachelor of Science in Environmental Science

The Bachelor of Science in Environmental Science degree program is designed for students interested in an interdisciplinary scientific perspective on environmental and sustainability issues, analysis, and management. The degree program provides the broad foundation in physical, life, and social sciences needed for a career or graduate study in environmental science and related fields such as climate change, ecology, and conservation. Students who complete the program successfully will be able to assess environmental issues critically from multiple perspectives; perform field, laboratory, and computer analyses; and conduct original research. The program is designed to prepare graduates for careers in local, state, and federal government laboratories and nonprofit agencies, environmental consulting firms, environmental education and outreach agencies, and universities and other research settings. The degree is offered by the Jackson School with a major in geological sciences, by the College of Liberal Arts with a major in geographical sciences, and by the College of Natural Sciences with a major in biological sciences. The degree programs share common prescribed work, but each major has its own specific requirements. Students may earn only one Bachelor of Science in Environmental Science degree from the University.

The Bachelor of Science in Environmental Science curriculum consists of 126 semester hours of coursework. All students must complete the University's core curriculum. The specific degree requirements consist of prescribed work, major requirements, and electives. In some cases, a course that is required for the degree may also be counted toward the core curriculum.

A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work area; the only exception to this

rule is that a course that fulfills any other requirement may also be used to fulfill a flag requirement unless otherwise specified.

In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the following Skills and Experience flags:

- a. Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent; students in the College of Natural Sciences and the Jackson School of Geosciences must complete only two flagged writing courses. For students in the College of Natural Sciences and the College of Liberal Arts, at least one writing flag must be from an upper-division course.
- b. Quantitative reasoning: one flagged course.
- c. Global cultures: one flagged course.
- d. Cultural diversity in the United States: one flagged course.
- e. Ethics: one flagged course.
- f. Independent inquiry: one flagged course.

## Prescribed Work Common to All Environmental Science Majors

- a. Mathematics: Mathematics 408C, or 408N and 408S, or 408K and 408L
- b. Chemistry: Chemistry 301 or CH 301H; Chemistry 302 or CH 302H; and Chemistry 204
- c. Physics: Physics 317K and 117M, Physics 303K and 103M, or Physics 301 and 101L
- d. Biological Sciences: Biology 311C and 311D, or 315H
- e. Ecology:
  - i. Biology 373 or Marine Science 320. Marine Science 320 may not be used to satisfy both requirement 5a and requirement 10c. Environmental Science majors in the College of Natural Sciences must choose Biology 373.
  - ii. Biology 373L or Marine Science 120L. Environmental Science majors in the College of Natural Sciences must choose Biology 373L
- f. Geological Sciences: Geological Sciences 401 or 303 or Geography 401C; Geological Sciences 346C; and an approved geological sciences course in sustainability.
- g. Geography: Geography 335N
- h. Field experience and research methods: Environmental Science 311 and 121
- i. Capstone Research Experience: one of the following pairs:
  - i. Environmental Science 271 and 371 or Environmental Science 171 and 471
  - ii. Environmental Science 172C and 472D or Environmental Science 272C and 372D
  - iii. Environmental Science 271 or Marine Science 370, and one of the following: Chemistry 320M, Geography 460G, 368C, 462K, Geological Sciences 327G, Mathematics 408D, 408M, Statistics and Data Sciences 321 or 320E. Note: Geography 460G, 462K, and Geological Sciences 327G may not be used to satisfy both requirement 9c and 10b. Statistics and Data Sciences 321 and 320E may not be used in this requirement by students in the College of Natural Sciences. Biology 377 may substitute for Environmental Science 271 with prior approval of the faculty advisor. Tutorial Course 660HA and 660HB may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor. Geological Sciences 172H, 173H and 379H may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor. Natural Sciences 323 and

371 may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor.

- j. Environmental and sustainability themes: One course in each of the following thematic areas:
  - i. Environmental and sustainability policy, ethics, and history: Geography 323K, 331K, 334, 336C, 339K, 340D, 342C, 344K, 356C, History 350R (Topic 7), Journalism 346F, Marine Science 367K, or Philosophy 325D. Biology 337, Geography 356, 356T, or Sociology 321K may be counted with prior approval of the faculty advisor.
  - ii. Geographic information systems: Geography 460G, 462K, Geological Sciences 327G
  - iii. Climates and oceans: Biology 456L, Geography 333K, Geological Sciences 338J, 347D, 347G, 377P, Marine Science 320, 440, 354Q, 354T, 356. Marine Science 320 may not be used to satisfy both requirement 5 and 10. Marine Science 356 may not be used to satisfy both requirement 10c and requirement 14 in Option 1. Marine Science 356 may not be used to satisfy both requirement 10c and requirement 18 in Option II. Biology 337, 437, Geography 356, 356T, Geological Sciences 371C, 371T, Marine Science 352 or 353 may count with prior approval of the faculty advisor.
  - iv. Environmental economics, sustainability, and business: Economics 304K, 330T, Advanced Placement credit for Economics 304L may be used to satisfy this requirement.
- k. Environmental Science 141 and 151

## Major Requirements

### BS in Environmental Science: Geological Sciences

The following 36 semester hours of coursework are required; these hours must include at least 12 hours of approved upper-division work in geological sciences.

- a. Geological Sciences 405, 416K, 416M and 420K
- b. Mathematics 408D or 408M
- c. Four semester hours of physics in one of the following second semester sequences: Physics 317L and 117N, 303L and 103N, or 316 and 116L.
- d. One of the following courses on climate and water: Geological Sciences 338J, 347D, 347G, 376E, 476K, 476M, 376S, 377P. Geological Sciences 371T may count with prior approval of the faculty advisor. (Note: The same course may not be used to satisfy both requirement 4 of the major requirements and requirement 10c of the prescribed work).
- e. Nine additional semester hours of upper division elective coursework in geological sciences not otherwise used to satisfy either prescribed or other major requirements.
- f. Enough additional coursework to make a total of 126 semester hours.

### Special Requirements

Students must fulfill the University-wide General Requirements, the Special Requirements of the Jackson School, and the Requirements for All Geological Sciences Degree Plans given earlier in this section. They must also earn a grade of at least C- in each course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate under the honors option, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the program honors advisor, and must present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available [online](#).

## Suggested Arrangement of Courses, Geological Sciences (BSEnvirSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 303 or 302 <sup>090</sup> Wr		3 EVS 311 (Major)		3 (None)	
GEO 401 or 303 (Major)		4 BIO 311C (Major)		3	
CH 301 (General Education)		3 CH 302 (General Education)		3	
M 408C (General Education)		4 M 408D (Major)		4	
RHE 306 (Core) <sup>010</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
			17	16	0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 311D (Major)		3 GEO 405 (Major)		4 (None)	
PHY 317K (Major)		3 GEO 346C (Major)		3	
PHY 117M (Major)		1 Geological Sciences course in Sustainability (Major)		3	
GOV 310L (Core) <sup>070</sup>		3 EVS 121 (Major)		1	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 CH 204 (General Education)		2	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 Environmental Economics, Sustainability, and Business course (Major)		3	
			16	16	0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)		4 GEO 420K (Major)		4 (None)	
GEO 416M (Major)		4 PHY 317L (Major)		3	
GRG 335N (Major)		3 PHY 117N (Major)		1	
Upper-division GEO course (Major)		3 EVS 271 (Major)		2	
Free elective (Elective)		2 Upper-division GEO course (Major)		3	
		U.S. History (Core) <sup>060</sup>		3	
			16	16	0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
EVS 141 (Major)		1 EVS 151 (Major)		1 (None)	
EVS 371 (Major)		3 Climates and Oceans course (Major)		3	
Geographic Information Systems course (Major)		3 Environmental and Sustainability Policy, Ethics, and History course (Major)		3	
MNS 320 (Major)		3 GOV 312L (Core) <sup>070</sup>		3	
MNS 120L (Major)		1 U.S. History (Core) <sup>060</sup>		3	

Climate and Water course (Major)	3 Upper-division GEO course (Major)	3
		14
		16
		0

Total credit hours: 127

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Geological Sciences

The Bachelor of Science in Geological Sciences serves as a professional degree for students planning careers as geologists, geophysicists, or teachers, as well as for those planning to pursue graduate work in the geosciences or a profession such as law or business. Careers are available in the petroleum and related energy industries, resource evaluation, mineral exploration, geologic hazard monitoring, environmental control and reclamation, building foundation evaluation, groundwater contamination studies, soil testing, regional planning, watershed management, climate modeling, and college or secondary school teaching. Graduates may also work in state or federal agencies, in universities or museums, with consulting firms, or with service companies to the energy and mineral industries.

Degree requirements are divided into three categories: university-wide undergraduate degree requirements (the University core curriculum) and flag requirements, prescribed work for the degree, and major requirements. Taken together, these courses constitute a degree option, a degree plan with a particular concentration or emphasis. Thus, students may develop intellectually challenging yet different plans of study according to their personal interests and goals.

Students seeking the Bachelor of Science in Geological Sciences degree must choose one of four options—I: General Geology, II: Geophysics, III: Hydrogeology, or V: Teaching. (Option IV: Environmental Science and Sustainability is no longer offered.)

## Prescribed Work Common to All Geological Sciences Majors

Each student must complete the University's core curriculum. In the process of completing core curriculum and geological sciences degree requirements, students must also earn credit for seven flags including: two writing flags, one quantitative reasoning flag, one global cultures flag, one cultural diversity in the United States flag, one ethics flag, and one independent inquiry flag. In some cases, a course required for the degree/major may also be counted toward the core curriculum. Flags may be added to courses periodically; courses that may be used to fulfill

flag requirements are identified in the [Course Schedule](#). Students are encouraged to discuss options for completing flag requirements with their academic advisor.

A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work or major requirement; the only exception to this rule is that a course that fulfills any other requirement may also be used to fulfill a core curriculum requirement, or a flag requirement if the course carries that flag, unless otherwise specified.

**GPA Requirements:** A cumulative grade point average of at least 2.00 is required on all work undertaken at the University for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. In addition, a grade point average of at least 2.00 is required in geological sciences courses counted toward the major requirement.

**Course Grades:** A grade of at least C- is required in each course used to fulfill any of the requirements for the degree. The official grade in a course is the last one made; however, if a student repeats a course and has two or more grades, all grades and all semester hours are used to calculate the University grade point average and to determine the student's scholastic eligibility to remain in the University and the student's academic standing in the Jackson School of Geosciences.

**In-residence Coursework:** All University students must complete at least 60 semester hours of the coursework counted towards the degree in residence. Individual degree(s) or degree options may contain additional course residency requirements.

In addition, the student must fulfill the University's general requirements and the requirements of the Jackson School of Geosciences.

## Additional Requirements Specific to the BS Geological Sciences, Options I, II, & III

**In-residence Coursework:** Every student in the BS Geological Sciences, Option I, II or III degree plan must complete at least 36 semester hours of upper-division coursework in residence at the University. At least 18 of these upper-division hours must be in geological sciences and at least 12 hours must be from areas outside of geological sciences.

**Technical Coursework:** Students in the BS Geological Sciences, Option I, II or III must complete at least two-thirds of all technical coursework required for the degree (calculus, chemistry, and physics) at the University. Requests to take required technical coursework at another school, online, by correspondence or extension at the University must be approved by the JSG Academic Affairs Office prior to registration. Coursework completed outside of the University without approval may not be used to fulfill degree or school scholarship eligibility requirements.

**Total Degree Hours:** A total of 126 hours of coursework including core, prescribed, and major work is required.

## Prescribed Work

### BS Geological Sciences, Option I, II & III

- Mathematics 408C and 408D; or 408K, 408L, and 408M. Mathematics 408C or 408K also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.
- Physics 301, 101L, 316, and 116L; or Physics 303K, 103M, 303L, and 103N.
- Chemistry 301 and 302. Together, requirements 2 and 3 also meet parts I and II of the science and technology requirement of the core curriculum.

- Geological Sciences 401 or 303, 416K, and 325G.
- Technical Electives:** Twelve semester hours of approved science and engineering courses with no more than six semester hours of lower-division courses. These courses may be coordinated with recommended upper-division GEO elective courses to form a geoscience course concentration. A list of approved courses is available in the JSG Advising Office.
- Foreign language/culture:** Students must complete one of the following options: (a) Second-semester proficiency in a foreign language; (b) First-semester level proficiency in a foreign language, and a three-hour course in the culture of the same language area (from approved list), or; (c) Two three-hour courses chosen from one foreign culture category (from approved list). A list of approved cultural courses is available in the JSG Advising Office. Courses that fulfill this requirement must be in addition to courses counted toward the core curriculum or flag requirements.

## Option I: General Geology

### Major Requirements

- Geological Sciences 405, 416M, 420K, 426P and 428.
- Six semester hours of approved field coursework. This requirement may be met by Geological Sciences 660A and 660B. All field coursework should be completed during the same summer semester.

## Option II: Geophysics

### Major Requirements

- Mathematics 427J and 427L
- Physics 315, 115L, 316, and 116L
- Geological Sciences 315L, 325C, 325K or 325M, 354, 365P, 465K and 366M.
- Six hours of upper-division Geological Sciences coursework.
- Six semester hours of approved field coursework. This requirement may be met by Geological Sciences 348K, 661A/661B, or 679G.
- Three additional hours of approved upper-division coursework in geological sciences.

## Option III: Hydrogeology

### Major Requirements

- Mathematics 427J
- Chemistry 204
- Geological Sciences 416M, 420K, 428, 476K, 476M, and 376S
- Six semester hours of approved field coursework that must include Geological Sciences 376L and an additional three semester hours of approved field coursework. This requirement may be met by Geological Sciences 660A/660B, or 377K.
- Nine additional semester hours of approved upper-division coursework in geological sciences.

## Option V: Teaching

The BS Geological Sciences, Option V: Teaching is designed to fulfill the course requirements for composite science teacher certification for middle school or secondary with geological sciences as the primary teaching field.

### Additional Requirements Specific to the BS Geological Sciences, Option V: Teaching

Students must meet the following requirements to graduate and be recommended for certification.



- University grade point average of at least 2.50
- Earned a grade of at least C- in each of the professional development courses and supporting courses listed below as well as all coursework required for the geological sciences degree.
- Successful passing of final teaching portfolio review, conducted by the UTeach-Natural Sciences program. Information about the portfolio review and additional certification requirements is available from the UTeach-Natural Sciences academic advisor.
- Composite certification requires 24 semester hours of coursework in the primary field, 12 hours in a second field, and six hours each in two additional fields.
- In addition, students must fulfill the University's general requirements and the requirements of the Jackson School of Geosciences.

Students must adhere to the current certification requirements, even if they differ from those listed in the University catalog.

## Prescribed Work

- Professional Development Sequence:
  - Curriculum and Instruction 651S
  - Curriculum and Instruction 365C or UTeach-Natural Sciences 350
  - Curriculum and Instruction 365D or UTeach-Natural Sciences 355
  - Curriculum and Instruction 365E or UTeach-Natural Sciences 360
  - UTeach-Natural Sciences 101, 110, and 170
- Supporting Courses:
  - Biology 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*), or Physics 341 (Topic 7: *Research Methods: UTeach*)
  - History 329U or Philosophy 329U
- Middle grades certification: Students seeking middle grades certification, must also complete the following coursework:
  - Educational Psychology 350G, or both Psychology 301 and 304
  - Curriculum and Instruction 339E

## Major Requirements

- Mathematics 408C. This course also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.
- To meet the requirements of composite certification, the student must complete the following courses. In meeting this requirement, the student also fulfills parts I and II of the science and technology requirement of the core curriculum.
  - Biology 311C and 311D
  - Chemistry 301 and 302
  - Physics 303K and 103M or Physics 303L and 103N; or an equivalent sequence
  - Enough additional approved coursework in biology, chemistry, or physics to provide the required 12 semester hours in a second field
- Astronomy 303, 307, or 367M
- Marine Science 307
- Geological Sciences 401 or 303, 405, 416K, 416M, and 420K or 320L
- Enough upper-division coursework to total at least 28 semester hours in geological sciences.
- Enough additional coursework to total 126 semester hours including core, prescribed and major work.

# Suggested Arrangement of Courses, General Geology (BSGeoSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 401 or 303 (Major)	4	GEO 405 (Major)	4	(None)	
M 408C (General Education)	4	M 408D (Major)	4		
CH 301 (General Education)	3	CH 302 (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
RHE 306 (Core) <sup>010</sup>	3				
<b>17</b>		<b>14</b>		<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	GEO 420K (Major)	4	(None)	
GEO 416M (Major)	4	GEO 426P (Major)	4		
PHY 303K & PHY 103M (General Education)	4	PHY 303L & PHY 103N (Major)	4		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 428 (Major)	4	GEO 325G (Major)	3	GEO 660A (Major)	3
Upper-division GEO course (Major)	3	Upper-division GEO course (Major)	3	GEO 660B (Major)	3
Technical Elective (Major)	3	Upper-division elective (Elective)	3		
Foreign Language (General Education)	3	Technical Elective (Major)	3		
		Visual and Performing Arts (Core) <sup>050</sup>	3		
<b>13</b>		<b>15</b>		<b>6</b>	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3	(None)	
Upper-division GEO course (Major)	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Upper-division GEO course (Major)	3	Upper-division GEO course (Major)	4		
Upper-division Technical Elective (Major)	3	Upper-division Technical Elective (Major)	3		
Foreign Language (General Education)	3	Upper-division elective (Elective)	3		
<b>15</b>		<b>16</b>		<b>0</b>	
<b>Total credit hours: 126</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences;<sup>090</sup> First-Year Signature Course;<sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Suggested Arrangement of Courses, Geological Sciences (BSGeoSci)

### Option V: Teaching, Senior Grades

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 401 or 303 (Major)	4	GEO 405 (Major)	4	(None)	
M 408C (General Education) <sup>020</sup>	4	BIO 311C (Elective) <sup>093</sup>	3		
CH 301 (Elective) <sup>030</sup>	3	CH 302 (Elective) <sup>030</sup>	3		
UTS 101 (Major)	1	UTS 110 (Major)	1		
UGS 302 or 303 (Core) <sup>090</sup>	3	Humanities (Core) <sup>040</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	American and Texas Government (Core) <sup>070</sup>	3		
<b>18</b>		<b>17</b>		<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	GEO 420K (Major)	4	(None)	
GEO 416M (Major)	4	HIS 329U or PHL 329U (General Education)	3		
BIO 311D (Elective)	3	EDC 365C or UTS 350 (Major)	3		
Science elective (Elective)	3	Upper-division GEO course (Major)	4		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
<b>17</b>		<b>17</b>		<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 303L (General Education)	3	EDC 365E or UTS 360 (Elective)	3	(None)	
PHY 103N (General Education)	1	PHY 303K (General Education)	3		
EDC 365D or UTS 355 (Major)	3	PHY 103M (General Education)	1		
BIO 337 (Topic 2), CH 368 (Topic 1), or PHY 341 (Topic 7) (Major)	3	American and Texas Government (Core) <sup>070</sup>	3		
Upper-division GEO course (Major)	4	Upper-division GEO course (Major)	4		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Free elective (Elective)	3		
<b>17</b>		<b>17</b>		<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MNS 307 (Elective)	3	EDC 651S (Elective)	6	(None)	
AST 303, 307, or 367M (Elective)	3	UTS 170 (Elective)	1		
Visual and Performing Arts (Core) <sup>050</sup>	3				
Upper-division Science elective (Elective)	4				

Upper-division Science elective (Elective)	3		
<b>16</b>		<b>7</b>	
<b>0</b>		<b>0</b>	

Total credit hours: 126

### Option V: Teaching, Middle Grades

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 401 or 303 (Major)	4	GEO 405 (Major)	4	(None)	
M 408C (General Education) <sup>020</sup>	4	BIO 311C (Elective) <sup>093</sup>	3		
CH 301 (Elective) <sup>030</sup>	3	CH 302 (Elective) <sup>030</sup>	3		
UTS 101 (Major)	1	UTS 110 (Major)	1		
UGS 302 or 303 (Core) <sup>090</sup>	3	Humanities (Core) <sup>040</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	American and Texas Government (Core) <sup>070</sup>	3		
<b>18</b>		<b>17</b>		<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	GEO 420K (Major)	4	(None)	
GEO 416M (Major)	4	EDC 365C or UTS 350 (Major)	3		
BIO 311D (Elective)	3	HIS 329U or PHL 329U (General Education)	3		
EDP 350G or PSY 301 and PSY 304 (Elective)	3-6	Upper-division GEO course (Major)	4		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core)	3		
<b>17-20</b>		<b>17</b>		<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
EDC 365D or UTS 355 (Major)	3	EDC 365E or UTS 360 (Elective)	3	(None)	
PHY 303L (General Education)	3	EDC 339E (Elective)	3		
PHY 103N (General Education)	1	PHY 303K (General Education)	3		
BIO 377 (Topic 2), CH 368 (Topic 1), or PHY 341 (Topic 7) (Major)	3	PHY 103M (General Education)	1		
Upper-division GEO course (Major)	4	Upper-division GEO course (Major)	4		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	American and Texas Government (Core) <sup>070</sup>	3		
<b>17</b>		<b>17</b>		<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MNS 307 (Elective)	3	EDC 651S (Elective)	6	(None)	
AST 303, 307, or 367M (Elective)	3	UTS 170 (Major)	1		
Upper-division Science elective (Elective)	4				
Upper-division Science elective (Elective)	3				
Visual and Performing Arts (Core) <sup>050</sup>	3				
<b>16</b>		<b>7</b>		<b>0</b>	

Total credit hours: 126-129

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Geophysics (BSGeoSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 303 (Major)	3	GEO 315L (Major)	3	(None)	
M 408C (General Education)	4	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
CH 301 (General Education)	3	M 408D (General Education)	4		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	CH 302 (General Education)	3		
RHE 306 (Core) <sup>010</sup>	3	PHY 301 & PHY 101L (General Education)	4		
		<b>16</b>		<b>17</b>	
				<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	GEO 325G (Major)	3	(None)	
Visual and Performing Arts (Core) <sup>050</sup>	3	GEO 354 (Major)	3		
PHY 316 & PHY 116L (General Education)	4	PHY 315 & PHY 115L (General Education)	4		
M 427J (General Education)	4	M 427L (General Education)	4		
		<b>15</b>		<b>14</b>	
				<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 325K or 325M (Major)	3	GEO 465K (Major)	4	Field Coursework	6
GEO 325C (Major)	3	Upper-division GEO Elective (Major)	3		
Technical Electives (Major)	6	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Foreign Language (General Education)	3		
		<b>15</b>		<b>13</b>	
				<b>6</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 366M (Major)	3	GEO 365P (Major)	3	(None)	
Upper-division GEO course (Major)	3	Upper-division GEO course (Major)	3		
Upper-division Technical Elective (Major)	3	Upper-division Technical Elective (Major)	3		
Foreign Language (General Education)	3	GOV 312L (Core) <sup>070</sup>	3		
		<b>15</b>		<b>13</b>	
				<b>6</b>	

GOV 310L (Core) <sup>070</sup>	3	U.S. History (Core) <sup>060</sup>	3	
		<b>15</b>		<b>0</b>

Total credit hours: 126

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Hydrogeology (BSGeoSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 401 (Major)	4	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	(None)	
M 408C (General Education)	4	M 408D (General Education)	4		
CH 301 (General Education)	3	CH 302 (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	CH 204 (General Education)	2		
RHE 306 (Core) <sup>010</sup>	3	U.S. History (Core) <sup>060</sup>	3		
		<b>17</b>		<b>15</b>	
				<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	GEO 420K (Major)	4	(None)	
GEO 416M (Major)	4	GEO 325G (Major)	3		
PHY 303K & PHY 103M (General Education)	4	M 427J (General Education)	4		
U.S. History (Core) <sup>060</sup>	3	PHY 303L & PHY 103N (Major)	4		
		<b>15</b>		<b>15</b>	
				<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 428 (Major)	4	GEO 476M (Major)	4	GEO 376L (Major)	3
GEO 476K (Major)	4	Upper-division GEO course (Major)	3	Approved GEO Field Course (Major)	3
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Technical Elective (Major)	3	Upper-division elective (Elective)	3		
		Technical Elective (Major)	3		
		<b>14</b>		<b>16</b>	
				<b>6</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 376S (Major)	3	Upper-division GEO course (Major)	3	(None)	
		<b>14</b>		<b>16</b>	
				<b>6</b>	

Upper-division GEO course (Major)	4 Social and Behavioral Sciences (Core) <sup>080</sup>	3
Foreign Language (General Education)	3 Foreign Language (General Education)	3
Upper-division Technical Elective (Major)	3 Upper-division Technical Elective (Major)	3
	Visual and Performing Arts (Core) <sup>050</sup>	3
	<b>13</b>	<b>15</b>
		<b>0</b>

Total credit hours: 126

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)

## Bachelor of Science in Geosystems Engineering and Hydrogeology

Geosystems engineers and hydrogeologists are concerned with the development and use of engineering approaches in the management of natural resources from the earth's surface and subsurface, environmental restoration of subsurface sites, and other processes related to the earth sciences. This degree program, offered jointly by the Cockrell School of Engineering and the Jackson School of Geosciences, is designed to teach students the geological and engineering principles needed to solve subsurface resource development and environmental problems. The curriculum includes a fundamental sequence of engineering and geological sciences courses in such areas as multiphase fluid flow, physical hydrology, heat and mass transfer, field methods, and engineering design. This interdisciplinary systems approach, combining engineering and geological sciences, is increasingly required to address complex real-world problems such as characterization and remediation of aquifers. The degree program is designed to prepare graduates for employment with environmental, water resource management, and energy companies in addition to many government agencies. Better-qualified graduates of the program may pursue graduate study in subsurface environmental engineering, petroleum engineering, geology, and other related fields.

The objective of the degree program is to prepare graduates for successful careers in the fields of subsurface environmental engineering (including carbon dioxide sequestration), oil and gas production and services, or similar pursuits. Graduates are expected to understand the fundamental principles of science and engineering behind the technology of geosystems engineering and hydrogeology to keep their education from becoming outdated and to give them the capability of

self-instruction after graduation. They should also be prepared to serve society by applying the ideals of ethical behavior, professionalism, and environmentally responsible stewardship of natural resources.

Containing the following elements, the technical curriculum provides both breadth and depth in a range of topics.

- A combination of college-level mathematics and basic sciences (some with experimental work) that includes mathematics through differential equations, physics, chemistry, and geology
- Basic engineering and geologic topics that develop a working knowledge of fluid mechanics, strength of materials, transport phenomena, material properties, phase behavior, and thermodynamics
- Engineering and geosciences topics that develop competence in characterization and evaluation of subsurface geological formations and their resources using geoscientific and engineering methods, including field methods; design and analysis of systems for producing, injecting, and handling fluids; application of hydrogeologic and reservoir engineering principles and practices for water and energy resource development and management; contamination evaluation and remediation methods for hydrologic resources; and use of project economics and resource valuation methods for design and decision making under conditions of risk and uncertainty
- A major capstone design experience that prepares students for engineering and hydrogeologic practice, based on the knowledge and skills acquired in earlier coursework and incorporating engineering and geological standards and realistic constraints

### ABET Student Outcomes:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

### Portable Computing Devices

Students entering Geosystems Engineering and Hydrogeology are required to have access to a portable computing device capable of running programs suitable for use in the classroom and on the university wireless network. The use of this device will be necessary in many required courses, and individual instructors may require the device be brought to class or lab sessions. For a list of minimum system requirements see <http://www.pge.utexas.edu/future/undergraduate/program>.

# Curriculum

Course requirements include courses within the Cockrell School of Engineering and other required courses. In addition, each student must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course that fulfills one of the following requirements may also be counted toward core curriculum or flag requirements; these courses are identified below.

In the process of fulfilling engineering degree requirements, students must also complete coursework to satisfy the following flag requirements: one independent inquiry flag, one course with a quantitative reasoning flag, one ethics flag, one global cultures flag, one cultural diversity in the US flag, and two writing flags. The independent inquiry flag, the quantitative reasoning flag, the ethics flag, and both writing flags are carried by courses specifically required for the degree; these courses are identified below. Courses that may be used to fulfill [flag requirements](#) (p. ) are identified in the [Course Schedule](#).

Courses used to fulfill technical and nontechnical elective requirements must be approved by the petroleum and geosystems engineering faculty and the geological sciences faculty before the student registers for them.

Requirements		Hours
<b>Petroleum and Geosystems Engineering Courses</b>		
PGE 311	Numerical Methods and Programming	3
PGE 322K	Transport Phenomena in Geosystems	3
PGE 323K	Reservoir Engineering I: Primary Recovery	3
PGE 323L	Reservoir Engineering II: Secondary and Tertiary Recovery	3
PGE 326	Thermodynamics and Phase Behavior	3
PGE 333T	Engineering Communication (writing flag and ethics flag)	3
PGE 365	Resource Economics and Valuation	3
PGE 358	Principles of Formation Evaluation	3
PGE 373L	Geosystems Engineering Design and Analysis (independent inquiry flag)	3
PGE 424	Petrophysics	4
PGE 427	Properties of Petroleum Fluids (Properties of Petroleum Fluids)	4
<b>Chemistry</b>		
CH 301	Principles of Chemistry I (part II science and technology)	3
CH 302	Principles of Chemistry II	3
<b>Civil Engineering</b>		
C E 357	Geotechnical Engineering	3
<b>Engineering Mechanics</b>		
E M 306	Statics	3
E M 319	Mechanics of Solids	3
<b>Geological Sciences</b>		
GEO 303	Introduction to Geology	3
GEO 376L	Field Methods in Groundwater Hydrology	3
GEO 376S	Physical Hydrology	3
GEO 416K	Earth Materials	4
GEO 416M	Sedimentary Rocks	4

GEO 420K	Introduction to Field and Stratigraphic Methods	4
GEO 428	Structural Geology	4
GEO 476K	Groundwater Hydrology (writing flag)	4
<b>Mathematics</b>		
M 408C	Differential and Integral Calculus (mathematics; quantitative reasoning flag)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M 427J	Differential Equations with Linear Algebra (quantitative reasoning flag)	4
<b>Physics</b>		
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
PHY 303K	Engineering Physics I (part I science and technology; quantitative reasoning flag)	3
PHY 303L	Engineering Physics II (part I science and technology; quantitative reasoning flag)	3
<b>Other Required Courses</b>		
Approved engineering elective		3
Approved geosciences technical elective		3
<b>Rhetoric and Writing</b>		
RHE 306	Rhetoric and Writing (English composition)	3
<b>Remaining Core Curriculum Courses</b>		
E 316L	British Literature <sup>1</sup>	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
American government <sup>2</sup>		6
American history <sup>2</sup>		6
Visual and performing arts <sup>3</sup>		3
Social and behavioral sciences <sup>3</sup>		3
UGS 302	First-Year Signature Course <sup>4</sup>	3
or UGS 303	First-Year Signature Course	
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1. Some sections of the English humanities courses (E 316L, 316M, 316N, 316P) carry a global cultures or cultural diversity flag.		
2. Some sections carry a cultural diversity flag.		
3. Some sections carry a global cultures and/or cultural diversity flag.		
4. In UGS 302, all sections carry a writing flag. In UGS 303, some sections carry a writing flag.		
<b>Total Hours</b>		<b>132</b>

# Suggested Arrangement of Courses, Geosystems Engineering and Hydrogeology (BSGEH)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 301 (Major)	3	CH 302 (Major)		3 (None)	
GEO 303 (Major)	3	M 408D (General Education)	4		
M 408C (Core) <sup>020</sup>	4	PHY 303K & PHY 105M (General Education)	4		
RHE 306 (Core) <sup>010</sup>	3	PGE 333T (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
		<b>16</b>	<b>17</b>	<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 416K (Major)	4	E M 319 (Major)		3 (None)	
GEO 416M (Major)	4	PGE 311 (Major)	3		
E M 306 (Major)	3	PGE 427 (Major)	4		
M 427J (Major)	4	PGE 326 (Major)	3		
		PHY 303L & PHY 105N (General Education)	4		
		<b>15</b>	<b>17</b>	<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 476K (Major)	4	C E 357 (Major)		3 GEO 376L (Major)	3
PGE 322K (Major)	3	GEO 420K (Major)	4		
PGE 323K (Major)	3	PGE 323L (Major)	3		
PGE 424 (Major)	4	PGE 358 (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	American and Texas Government (Core) <sup>070</sup>	3		
		<b>17</b>	<b>16</b>	<b>3</b>	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GEO 428 (Major)	4	PGE 373L (Major)		3 (None)	
GEO 376S (Major)	3	Geoscience Technical Elective (Major)	3		
PGE 365 (Major)	3	American and Texas Government (Core) <sup>070</sup>	3		
Engineering Technical Elective (Major)	3	U.S. History (Core) <sup>060</sup>	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
		<b>16</b>	<b>15</b>	<b>0</b>	

Total credit hours: 132

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive

list of minors, please visit the [Minors and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

Students admitted to transcript-recognized minors must contact their academic advisors to have approved minors added to their degree audit profiles. This allows progress toward the credential to be tracked and ensures that minors are added to official transcripts upon graduation, if all requirements are met.

### Minors for Geosciences Majors

While a minor is not required as part of any geological sciences degree program, students may choose to complete a minor in a field of study other than their major and to which they gain entry. Students may declare only one minor or certificate to supplement their Jackson School major.

Jackson School students must declare their minor/certificate intentions before they have completed 65 percent of their degree requirements, as indicated on the Interactive Degree Audit (IDA). Exceptions to these policies require prior approval by the dean.

### Minors for Non-Geosciences Majors

The minors offered by the Jackson School of Geosciences promote the understanding of Earth as a system, its resources, and environment, for the lasting benefit of humankind. Any non-geosciences student with a University grade point average of at least 2.5 may apply to a JSG minor. Students must apply for admission to the minor, have it added to their degree profiles, successfully complete all requirements, and apply to graduate for it to appear on their transcript.

The Jackson School reserves the right to limit the number of students accepted to the minor. If demand exceeds space, students will be selected based on review of a student's academic record. Acceptance into the minor does not come with preferences or guarantee of a seat in any GEO course. Registration for any of these courses will require that existing prerequisite course requirements are adequately met.

For more information, please visit the [Minor and Certificate Programs](#) section in The University chapter.

### Computational Geosciences Minor

The Computational Geosciences Minor provides a selection of courses that will establish an understanding of computational methods in geosciences. The courses in this minor emphasize the understanding of geophysical and geochemical laws and their equations. Students completing this minor will gain knowledge on how to solve such equations, both analytically and numerically, to solve specific geoscience problems (e.g., transport in porous media to study pollutant plumes, wave equation to study earthquakes and seismic methods). Students will use high-level programming tools (e.g., MATLAB, Python).

The Computational Geosciences Minor requires 15 credit hours as follows:

Requirements	Hours
GEO 303 or GEO 401	3 or 4
GEO 354	3
<b>One of the following four courses:</b>	<b>3</b>
GEO 325G	Computational Applications in the Geosciences
GEO 325K	Computational Methods
GEO 325M	Numerical Modeling in the Geosciences

GEO 366M	Mathematical Methods in Geophysics	
<b>Two upper-division GEO courses:</b>		<b>6 or 7</b>
GEO 344U	Quantitative Seismic Interpretation	
GEO 347G	Climate System Modeling	
GEO 355G	Geodynamics of the Lithosphere and Mantle	
GEO 360G	Construction and Interpretations of 3-D Stratigraphy	
GEO 365N	Seismic Data Processing	
GEO 365P	Potential Field Applications in Geophysics	
GEO 465K	Seismic Exploration	
A list of additional upper-division course options is available on the JSG website.		

Please Note:

Registration for any of these courses requires that existing prerequisite course requirements are adequately met.

Petitions to substitute another course to use toward any requirement must be submitted to the JSG Advising Office prior to the start of the semester in question.

## Geosciences Minor

The Geosciences Minor provides a selection of courses that will establish an understanding of the Earth's history, evolution, and properties. The courses in this minor emphasize the chemical, physical, and biological processes that shape the Earth system. Students completing this minor will gain knowledge in the methods geologists use to characterize geological processes, such as identifying rocks, minerals, and fossils. They will also examine the role of geological processes on geological hazards (e.g. volcanos, tsunamis) and water and energy resources. The opportunity to gain skills analyzing data from laboratory and field settings supplement multiple other areas of study such as engineering, education, and business.

The Geosciences Minor requires 16 credit hours as follows:

Requirements		Hours
GEO 303 or GEO 401	Introduction to Geology Physical Geology	3 or 4
<b>One of the following three courses:</b>		<b>4</b>
GEO 405	Life through Time	
GEO 416K	Earth Materials	
GEO 416M	Sedimentary Rocks	
<b>Three upper-division GEO courses:</b>		<b>9</b>
GEO 320L	Introductory Field Geology	
GEO 325G	Computational Applications in the Geosciences	
GEO 339T	Continental Tectonics	
GEO 346C	Introduction to Physical and Chemical Hydrogeology	
GEO 347K	Gems and Gem Minerals	
A list of additional upper-division course options is available on the JSG website.		

Please Note:

Registration for any of these courses requires that existing prerequisite course requirements are adequately met.

Petitions to substitute another course to use toward any requirement must be submitted to the JSG Advising Office prior to the start of the semester in question.

## Hydrology Minor

The Hydrology Minor provides a selection of courses that will establish an understanding of the water cycle and associated hydrological processes. The courses in this minor emphasize physical and chemical processes that control the movement of water through the Earth system and water quality. Students completing this minor will gain knowledge in the methods hydrologists use to characterize hydrological processes, including environmental monitoring data and aquifer properties.

The Hydrology Minor requires 16 credit hours as follows:

Requirements		Hours
GEO 303 or GEO 401	Introduction to Geology Physical Geology	3 or 4
GEO 346C	Introduction to Physical and Chemical Hydrogeology	3
GEO 476K	Groundwater Hydrology	4
<b>Two upper-division GEO courses:</b>		<b>6 or 7</b>
GEO 372S	Geochemical Problem Solving with Atoms and Ions	
GEO 376S	Physical Hydrology	
GEO 476M	Aqueous Geochemistry	
GEO 476W	Hydrogeophysics	
GEO 377K	Applied Karst Hydrogeology	
A list of additional upper-division course options is available on the JSG website.		

Please Note:

Registration for any of these courses requires that existing prerequisite course requirements are adequately met.

Petitions to substitute another course to use toward any requirement must be submitted to the JSG Advising Office prior to the start of the semester in question.

## Sedimentology and Earth Surface Processes Minor

The Sedimentology and Earth Surface Processes Minor provides a selection of courses that will establish an understanding of the processes that shape the Earth's surface, the rock record results, and interactions with other systems over time. Students completing this minor will gain an understanding of the changing character of the surface environment of the Earth which is critical for understanding the past and future trajectories for life on Earth.

The Sedimentology and Earth Surface Processes Minor requires 16 credit hours as follows:

Requirements		Hours
GEO 303 or GEO 401	Introduction to Geology Physical Geology	3 or 4
GEO 416M or GEO 416K	Sedimentary Rocks Earth Materials	4
<b>Three of the following upper-division GEO courses:</b>		<b>9 or 10</b>
GEO 322J	Transitions in the History of Life	
GEO 330K	Energy Exploration	
GEO 344U	Quantitative Seismic Interpretation	
GEO 355G	Geodynamics of the Lithosphere and Mantle	

GEO 360G	Construction and Interpretations of 3-D Stratigraphy
GEO 365Q	Geomorphology Process and Form
GEO 369E	Evolution of Reef Ecosystems

A list of additional upper-division course options is available on the JSG website.

**Please Note:**

Registration for any of these courses requires that existing prerequisite course requirements are adequately met.

Petitions to substitute another course to use toward any requirement must be submitted to the JSG Advising Office prior to the start of the semester in question.

## Certificates

### Computational Science and Engineering Certificate

The Computational Science and Engineering Certificate program is sponsored by the Cockrell School of Engineering, the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences; it is administered by the Institute for Computational Engineering and Sciences (ICES). Information regarding the specific requirements of the Certificate can be found in the Cockrell School of Engineering's [Minor and Certificates](#) (p. 197) section of the Undergraduate Catalog.

## Courses, John A. and Katherine G. Jackson School of Geosciences

Please see the [General Information Catalog](#) for a list of courses. For courses offered by each department within the John A. and Katherine G. Jackson School of Geosciences, please see the corresponding department page in the following sections.

### Courses, Department of Geological Sciences

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Geological Sciences: [Environmental Science \(EVS\)](#) and [Geological Sciences \(GEO\)](#).

## John A. and Katherine G. Jackson School of Geosciences Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Adrien Arnulf, Research Assistant Professor  
Department of Geological Sciences  
PhD, Université de Paris VII, Denis Diderot, 2011

Jay L Banner, Professor  
Fred M. Bullard Professorship in Geological Sciences  
Department of Geological Sciences  
PhD, State University of New York at Stony Brook, 1986

Jaime D Barnes, Professor  
Department of Geological Sciences  
PhD, University of New Mexico Main Campus, 2006

Thorsten Becker, Professor  
Shell Companies Foundation Distinguished Chair in Geophysics  
Department of Geological Sciences  
PhD, Harvard University, 2002

Christopher J Bell, Professor  
John A and Katherine G Jackson School of Geosciences and  
Department of Geological Sciences  
PhD, University of California-Berkeley, 1997

Philip C Bennett, Professor  
Department of Geological Sciences  
PhD, Syracuse University Main Campus, 1989

Daniel O Breecker, Professor  
Department of Geological Sciences  
PhD, University of New Mexico Main Campus, 2008

Meinhard Bayani Cardenas, Professor  
J. Nalle Gregory Regents Professorship in Geological Sciences  
Department of Geological Sciences  
PhD, New Mexico Institute of Mining and Technology, 2006

Ginny A Catania, Professor  
Department of Geological Sciences and Institute for Geophysics  
PhD, University of Washington - Seattle, 2004

Elizabeth Jacqueline Catlos, Associate Professor  
Department of Geological Sciences  
PhD, University of California-Los Angeles, 2000

Julia Allison Clarke, Professor  
John A. Wilson Professorship in Vertebrate Paleontology  
Department of Geological Sciences and John A and Katherine G Jackson School of Geosciences  
PhD, Yale University, 2002

Mark P Cloos, Professor  
Getty Oil Company Centennial Chair in Geological Sciences  
Department of Geological Sciences  
PhD, University of California-Los Angeles, 1981

Kerry H Cook, Professor  
Department of Geological Sciences  
PhD, North Carolina State University, 1984

Jacob Aaron Covault, Lecturer  
Department of Geological Sciences  
PhD, Stanford University, 2008

Ian W Dalziel, Professor  
Department of Geological Sciences and Institute for Geophysics  
Department of Geological Sciences and Institute for Geophysics  
PhD, University of Edinburgh, 1963

Edward Alvin Duncan, Professor of Practice  
Department of Geological Sciences  
MA, University of Texas at Austin, 1987

Peter Barry Flemings, Professor  
Leonidas T. Barrow Centennial Chair in Mineral Resources  
Department of Geological Sciences, Bureau of Economic Geology, and  
Institute for Geophysics  
PhD, Cornell University, 1990

Sergey B Fomel, Professor  
Wallace E. Pratt Professorship in Geophysics  
Department of Geological Sciences



PhD, Stanford University, 2001

James E Gardner, Professor  
Department of Geological Sciences  
PhD, University of Rhode Island, 1993

Marcus O Gary, Adjunct Assistant Professor  
Department of Geological Sciences  
PhD, University of Texas at Austin, 2009

Omar Ghattas, Professor  
John A. and Katherine G. Jackson Chair in Computational Geosciences  
Department of Geological Sciences, Department of Biomedical  
Engineering, Department of Computer Science, Department of  
Mechanical Engineering, and Institute for Computational Engineering and  
Science  
PhD, Duke University, 1988

Jennifer H Gillespie, Lecturer  
Department of Geological Sciences  
PhD, University of Texas at Austin, 2011

Timothy Andrew Goudge, Assistant Professor  
Department of Geological Sciences  
PhD, Brown University, 2015

Stephen P Grand, Professor  
Shell Companies Foundation Centennial Chair in Geophysics  
Department of Geological Sciences and Institute for Geophysics  
PhD, California Institute of Technology, 1986

Sean S Gulick, Research Professor  
Institute for Geophysics  
PhD, Lehigh University, 2000

Paul Hearty, Adjunct Associate Professor  
Department of Geological Sciences  
PhD, University of Colorado at Boulder, 1987

Patrick Heimbach, Professor  
W. A. "Tex" Moncrief, Jr. Endowment in Simulation-Based Engineering  
and Sciences - Endowed Chair No. 3  
Department of Geological Sciences and Institute for Computational  
Engineering and Science  
PhD, University of Hamburg, 1998

Mark A Helper, Distinguished Senior Lecturer  
Department of Geological Sciences  
PhD, University of Texas at Austin, 1985

Marc Andre Hesse, Associate Professor  
Department of Geological Sciences  
PhD, Stanford University, 2008

Brian K Horton, Professor  
J. Nalle Gregory Chair in Sedimentary Geology  
Department of Geological Sciences and Institute for Geophysics  
PhD, University of Arizona, 1998

Joel Peterson Johnson, Associate Professor  
Department of Geological Sciences  
PhD, Massachusetts Institute of Technology, 2007

Charles Kerans, Professor  
Robert K. Goldhammer Chair in Carbonate Geology  
Department of Geological Sciences and Bureau of Economic Geology  
PhD, Carleton University, 1982

Richard A Ketcham, Professor

The First Mr. and Mrs. Charles E. Yager Professorship  
Department of Geological Sciences  
PhD, University of Texas at Austin, 1995

Wonsuck Kim, Adjunct Associate Professor  
Department of Geological Sciences  
PhD, University of Minnesota-Twin Cities, 2007

J Richard Kyle, Professor  
The Third Mr. and Mrs. Charles E. Yager Professorship  
Department of Geological Sciences and Bureau of Economic Geology  
PhD, University of Western Ontario, 1977

John C Lassiter, Professor  
Department of Geological Sciences  
PhD, University of California-Berkeley, 1995

Luc L Lavier, Professor  
Department of Geological Sciences and Institute for Geophysics  
PhD, Columbia University in the City of New York, 1999

Jung-Fu Lin, Professor  
Department of Geological Sciences  
PhD, University of Chicago, 2002

Christopher Lowery, Lecturer  
Department of Geological Sciences  
PhD, University of Massachusetts, 2015

Matthew Alan Malkowski, Assistant Professor  
Department of Geological Sciences  
PhD, Stanford University, 2016

Rowan Clare Martindale, Associate Professor  
Department of Geological Sciences  
PhD, University of Southern California, 2012

Ashley Michelle Matheny, Assistant Professor  
Department of Geological Sciences  
PhD, Ohio State U Main Campus, 2016

Tip Meckel, Lecturer  
Department of Geological Sciences  
PhD, University of Texas at Austin, 2003

David Mohrig, Professor  
Peter T. Flawn Centennial Chair in Geology  
Department of Geological Sciences and John A and Katherine G  
Jackson School of Geosciences  
PhD, University of Washington - Seattle, 1994

Claudia I Mora, Professor  
John A. and Katherine G. Jackson Decanal Chair in the Geosciences  
Department of Geological Sciences and John A and Katherine G  
Jackson School of Geosciences  
PhD, University of Wisconsin-Madison, 1988

Dev Niyogi, Professor  
Department of Geological Sciences and Department of Civil,  
Architectural, and Environmental Engineering  
PhD, North Carolina State University, 2000

Cornel Olariu, Lecturer  
Department of Geological Sciences  
PhD, University of Texas at Dallas, 2005

Adam Scott Papendieck, Lecturer  
Department of Geological Sciences

PhD, University of Texas at Austin, 2019

Camille Parmesan, Adjunct Professor  
Department of Geological Sciences  
PhD, University of Texas at Austin, 1995

Geeta Persad, Assistant Professor  
Department of Geological Sciences and Institute for Geophysics  
PhD, Princeton University, 2016

Mary F Poteet, Assistant Professor of Practice  
College of Natural Sciences and Department of Geological Sciences  
PhD, University of California-Berkeley, 2001

Terrence M Quinn, Professor  
Albert W. and Alice M. Weeks Centennial Professorship in Geological Sciences  
Department of Geological Sciences  
PhD, Brown University, 1989

Daniella M Rempe, Assistant Professor  
Department of Geological Sciences  
PhD, University of California-Berkeley, 2016

Timothy B Rowe, Professor  
Department of Geological Sciences  
PhD, University of California-Berkeley, 1986

Demian M Saffer, Professor  
Scott Petty, Jr. Endowed Director's Chair for the University of Texas  
Institute for Geophysics  
Department of Geological Sciences  
PhD, University of California-Santa Cruz, 1999

Mrinal K Sen, Professor  
John A. and Katherine G. Jackson Chair in Applied Seismology  
Department of Geological Sciences and Institute for Geophysics  
PhD, University of Hawaii at Manoa, 1987

Timothy Michael Shanahan, Associate Professor  
Department of Geological Sciences  
PhD, University of Arizona, 2006

Kyle Thomas Spikes, Associate Professor  
Department of Geological Sciences  
PhD, Stanford University, 2008

Daniel Stockli, Professor  
Chevron Centennial Professorship in Geology  
Department of Geological Sciences  
PhD, Stanford University, 2000

Chenguang Sun, Assistant Professor  
Department of Geological Sciences  
PhD, Brown University, 2014

Zoltan Sylvester, Lecturer  
Department of Geological Sciences  
PhD, Stanford University, 2001

Dana L Thomas, Lecturer  
Department of Geological Sciences  
PhD, Stanford University, 2018

Scott W Tinker, Professor  
Edwin Allday Centennial Chair in Subsurface Geology  
Department of Geological Sciences  
PhD, University of Colorado at Boulder, 1996

Nicola Tisato, Assistant Professor  
Department of Geological Sciences  
PhD, Swiss Federal Institute of Technology, 2013

Darrel Tremaine, Lecturer  
Department of Geological Sciences  
PhD, Florida State University, 2015

Daniel Trugman, Assistant Professor  
Department of Geological Sciences  
PhD, University of California-San Diego, 2017

Zong-Liang Yang, Professor  
John A. and Katherine G. Jackson Chair in Earth System Sciences  
Department of Geological Sciences  
PhD, Macquarie University, 1992

## School of Information

Eric T. Meyer, PhD, *Dean*

Soo Young Rieh, PhD, *Associate Dean for Education*

Anthony Grubestic, PhD, *Associate Dean for Research*

Mary Carla Criner, PhD, *Assistant Dean for Education and Student Affairs*

Edgar Gómez-Cruz, PhD, *Assistant Dean  
for Community and Global Initiatives*

<http://www.ischool.utexas.edu/>

## General Information

The School of Information (also called the iSchool) offers the Bachelor of Arts with a major in Informatics, the Bachelor of Science in Informatics, the Master of Science in Information Studies, the Master of Science in Information Security and Privacy and the Doctor of Philosophy with a major in Information Studies degrees. In addition, the School of Information offers a Minor in Informatics designed to complement many other undergraduate degree programs at The University of Texas at Austin. Students also have the option of tailoring the Informatics Minor sequence to focus their studies on Human-Computer Interaction or Digital Humanities. Please contact the advising office in your home department for details about adding a minor.

## Vision

The goal of the The University of Texas at Austin's School of Information is to be the premier research and education program for the 21st century field of information. We are changing the future by engaging the present and preserving the past. Research and teaching at the iSchool changes the ways that we interact with information and technology, changes how information can make the world a better and fairer place, and changes the ways we protect and preserve our collective memory.

## Mission

At the School of Information, we are committed to making a positive difference in people's lives through excellence in research, teaching, and public engagement.

Our core values underpin our efforts to shape the field of information for human and social benefit by:

- Discovering new and vital knowledge about information
- Educating the next generation of leaders in the information professions
- Developing new scholars who will advance knowledge

- Improving society through service and collaboration
- Applying human-centered values to all our work

## Values

- **Information Serves Humanity:** We understand that information technologies must serve the needs of people, and that access to reliable and trustworthy information is essential to a functioning civil society. Educating the next generation of leaders in the information professions
- **A People-First Perspective:** Information technologies and systems must be designed to augment and enhance human and organizational capabilities; doing so requires bringing people into the process from the start.
- **Technology for Social Good:** All emerging technologies raise ethical and social issues that require study, research, and intervention.
- **An Interdisciplinary Approach:** Multidisciplinary and transdisciplinary approaches offer the best hope for building information systems and shaping information practices that will serve the public interest.

## History

What is now the School of Information was founded in 1948 to educate information professionals. Since that time, the name of the School and of the degrees offered have changed several times, but we have always balanced the values of information access as a human and social benefit with the intellectual and technical skills needed to lead developments in the information age.

The School has offered a master's degree program since 1948 and a doctoral degree program since 1970. Undergraduate teaching has been part of the School for many years, and the Informatics major was formally launched in 2021, enabling students to earn a B.A. or a B.S. in Informatics from the School of Information.

## Facilities

The School of Information provides students with a wide variety of workspaces, labs, and equipment. Some labs are open regular hours and others require a reservation, but all are available for student use and students are encouraged to make full use of them.

### AI Health Lab

The AI Health Lab is composed of scholars and students from different fields and disciplines. Their research includes, but is not limited to: AI in Health, AI in Medicine, and Data-Driven Science.

### Critical Data Studies (CDS) Lab

The Critical Data Studies (CDS) Lab explores the sociotechnical dimensions of data technologies in our lives – from scientific research and cultural heritage institutions, to social networking platforms and mobile applications. The CDS Lab focuses on researching how data is collected, named, managed, applied and debated in different contexts.

### Human-AI Interaction Lab

The Human-AI Interaction lab aims to build just and empowering workplaces and cities by creating technology that supports and strengthens individual and collective human decision-making. We explore psychological understandings of AI and develop human-centered methods and systems for better AI-integrated workplaces, smart communities and cities, and online information.

### Immersive Human Development Lab

The Immersive Human Development Lab is a space where researchers study people's psychological and social experiences of technology and media. In particular, they specialize in looking at virtual reality and immersive experiences with special emphasis on how they relate to questions of child and human development.

### The Information eXperience (IX) Lab

The Information eXperience (IX) Lab is a research facility dedicated to the science of information studies, the empirically-based design of human-information interaction, and the education of students in the process of both. This state-of-the-art lab is used to conduct experiments on human-information processing and usability, accessibility, and other studies of the interaction between humans and information sources.

### The Information Retrieval and Crowdsourcing Lab

The Information Retrieval and Crowdsourcing Lab was established to advance the state-of-the-art methodologies for search and human computation/crowdsourcing. The aim is to integrate crowdsourcing with automatic algorithms to improve search engine experiences, capabilities, and evaluation.

### The Kilgarlin Information Preservation Lab

The Kilgarlin Information Preservation Lab contains a large variety of tools and equipment for examination, analysis, photo documentation, and conservation treatment of books and paper. A thorough sample collection, including more than 10,000 photographs and many other materials, is available for student use.

### Information Commons

The Information Commons is a team of undergraduates, graduate students, and staff who provide resources and services that support learning, research, and community-building activities at the School of Information. Commons facilities are located within all iSchool locations and feature collaboration stations, access to a variety of computing hardware/software, meeting spaces, printing services and equipment check-outs. Support staff are available in all iSchool learning spaces to provide technical assistance, training, and additional access to resources.

### Digitization Suite

The Digitization Suite is used in digitization coursework. It can also serve as a small classroom for specialized course sessions, and provides a cross section of current and legacy digitization equipment for text, slides, audio, and video.

### Sound Rooms

The sound rooms are small individual rooms with higher-end equipment where people can record and edit audio, edit movies, create tutorials, or experiment with the latest voice recognition software.

## Student Services

Our students are a vital part of our scholarly community, and we provide services to facilitate students' development and enrichment year-round. Our student support staff is available to help majors and non-majors with their academic and career questions.

### Academic Advising

The academic advisor's office is responsible for providing information and advice to undergraduate students. The students are also advised to consult their [Degree Audit](#) (p. ) on a regular basis in order to keep track of their own academic progress.

## Career Development

The iSchool Career Development Office is a collaborative partnership with faculty and staff to empower students to achieve their dreams beyond academics. The Career Development Office supports the students and alumni of the School of Information by offering career development and job search resources, connecting them to employers, mentors, and key professionals.

## Admission and Registration

### Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

### Admission Policies of the School

Students admitted to the University with deficiencies in high school units must remove them by the means prescribed in the [General Information Catalog](#). Course credit used to remove deficiencies may not be counted toward the student's degree.

### Integrated Program in Informatics

Admission to the integrated Bachelor of Science in Informatics or Bachelor of Arts with a major in Informatics and Master of Science in Information Studies (BSI or BA/MSIS) program is open only to undergraduate students within the School of Information at The University of Texas at Austin. It results in the awarding of a Bachelor of Science in Informatics or a Bachelor of Arts with a major in Informatics degree, followed by the Master of Science in Information Studies degree. The integrated program requires completion of a total of 150 credits: 120 hours for the BSI/BA degree program and 30 hours of graduate coursework offered by the School of Information for the MSIS degree program. Students can complete the integrated program in five academic years of full-time study.

### Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and [General Information Catalog](#) are published on the registrar's website.

## Academic Policies and Procedures

### Minimum Scholastic Requirements

The student must earn a cumulative grade point average of at least 2.00 in all courses taken at The University of Texas at Austin (including credit by examination, correspondence, and extension) for which a grade or symbol other than #Q, W, X, # or #CR# is recorded. In addition, the student must earn a grade point average of at least 2.00 in Informatics courses taken at the University and counted toward the degree and major requirements. The student must earn a grade of at least #C-# in each course used to fulfill any of the requirements for the degree and major. For more information about grades and the grade point average, see the [General Information Catalog](#).

## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in the [General Information Catalog](#).

### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the [General Information Catalog](#).

### School Honors

Students wishing to pursue School of Information honors must meet all Bachelor of Arts or Bachelor of Science in Informatics degree requirements as well as the following:

- Minimum grade point average of 3.5 across all Informatics coursework
- Complete an Honors Thesis in Informatics in lieu of the traditional Capstone
- Complete an additional three hours of Informatics elective coursework

## Graduation

### Special Requirements of the School of Information

All students must fulfill the General Requirements for graduation. In addition, students in the School of Information must be registered in the School either in residence or in absentia the semester or summer session the degree is to be awarded and must apply to the dean for the degree no later than the date specified in the official academic calendar. The student must have an official degree audit on file prior to applying for the degree.

### Degree Audit

An electronic degree audit is created for each student each semester. Students should view the audit through IDA, the University's Interactive Degree Audit system, on a regular basis. The degree audit tells the student the courses they must take and the requirements they must fulfill to receive the degree. While the degree audit normally provides an accurate statement of requirements, students are responsible for knowing the requirements for their degree as stated in a catalog under which they are eligible to graduate and for registering so as to fulfill all these requirements. If in doubt about any requirement, students should always speak with a School of Information academic advisor prior to registration.

### Applying for Graduation

Each student seeking a degree from the School of Information must meet with a School of Information advisor prior to registering for the last semester of the degree program to review their degree audit. Students must also meet with a School of Information advisor during the semester in which they intend to graduate for an official degree audit. The degree audit is essential to ensure that the student is on track to meet all the

degree requirements given in a catalog under which they are eligible to graduate.

In the final semester or summer session, a candidate for graduation must apply for the degree by the deadline given in the official academic calendar.

## Degrees and Programs

### Degrees Offered

The School of Information offers the Bachelor of Arts with a major in Informatics and the Bachelor of Science in Informatics. In addition, students may apply to the Integrated Program in Informatics, which results in the awarding of a Bachelor of Science in Informatics or a Bachelor of Arts with a major in Informatics degree, followed by the Master of Science in Information Studies degree. The requirements for the Bachelor of Science in Informatics and the Bachelor of Arts with a major in Informatics are given here, while the requirements for the Master of Science in Information Studies can be found in the [Graduate Catalog](#).

Within each undergraduate degree, students may select from six concentration tracks:

#### Concentration in Cultural Heritage Informatics

Throughout human history, cultural heritage institutions such as libraries, archives, galleries, and museums have played a critical role in ensuring access to data, information, and technology over the decades and centuries. These skills are also very much in demand in industry. This Informatics major concentration will train students to manage, describe, organize, preserve, and provide access to data and information in a wide range of technological forms.

#### Concentration in Health Informatics

Delivering and managing high-quality healthcare requires expertise in data, information, and technology. This Informatics major concentration will train students to design and use information technologies to improve healthcare delivery, healthcare management, and health outcomes.

#### Concentration in Human-Centered Data Science

Data is one of the most valuable commodities in the information society, and workers who can use data to gain new insights are in great demand. This Informatics major concentration will train students to think critically and use data in an ethically responsible manner in artificial intelligence, machine learning, information retrieval, data curation, and data analysis.

#### Concentration in Social Informatics

Data, information, and technology are revolutionizing how organizations work. This Informatics major concentration will train students to leverage data, information, and technology to improve organizational efficiency while also providing a more ethical and humane environment for workers and society more broadly. Students will learn the skills they need to play a critical role in shaping information policies, improve organizational efficiency and effectiveness, enhance societal sustainability, and advocate for the public interest.

#### Concentration in Social Justice Informatics

Data, information, and technology have the potential to reduce or eliminate inequalities in society, but they can also lead to exacerbating existing inequalities or creating new ones. This Informatics major concentration will train students to leverage data, information, and technology for societal good, helping to empower individuals and eliminate inequalities and injustices to ensure a level playing field for everyone in the information age.

### Concentration in User Experience Design

The design of data, information, and technology systems needs to be rooted in the user experience along with consideration of the broader societal impacts of design. This Informatics major concentration will prepare students for a career in user experience, interaction design, human factors, and web and mobile app design. Students will learn the skills they need to design cutting-edge information technologies that will benefit users and society.

### Integrated Program (BA/MSIS) or (BSI/MSIS)

Admission to the integrated Bachelor of Arts (BA) with a major in Informatics or Bachelor of Science in Informatics (BSI) and Master of Science in Information Studies (MSIS) program is open only to undergraduate students within the School of Information at The University of Texas at Austin. It results in the awarding of a Bachelor of Arts with a major in Informatics or a Bachelor of Science in Informatics degree, followed by the Master of Science in Information Studies degree (BA/MSIS or BSI/MSIS). The integrated program requires completion of a total of 150 credits: 120 hours for the undergraduate degree program and 30 hours of graduate coursework offered by the School of Information for the MSIS degree program. Students can complete the integrated program in five academic years of full-time study.

### Applicability of Certain Courses

#### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. Up to three semester hours of physical activity coursework may be counted as electives toward any School of Information degree. All physical activity courses are counted among courses for which the student is enrolled, and the grades are included in the grade point average.

#### ROTC Courses

The Departments of Air Force Science, Military Science, and Naval Science maintain ROTC units on campus. Information about each program is available from the chair of the department concerned.

Twelve semester hours of coursework in air force science, military science, or naval science may be counted toward any degree in the School of Information. Such credit may be used only as electives or to fulfill the writing requirement, and only by students who are commissioned by the University ROTC program.

#### Courses Taken on the Pass/Fail Basis

No more than 12 semester hours taken on the pass/fail basis may be counted toward School of Information degrees. In general, courses taken on the pass/fail basis will count as general electives. Coursework required for School of Information major requirements cannot be taken pass/fail. Complete rules on registration on the pass/fail basis are given in the *General Information Catalog*.

#### Correspondence and Extension Courses

Credit that a University student in residence earns simultaneously by correspondence or extension from the University or elsewhere or in residence at another school will not be counted toward a degree in the School of Information unless specifically approved in advance by the dean. For additional information about correspondence work by resident students, see the *General Information Catalog*.

In the semester they plan to graduate, students may not take any course to be counted toward the degree at another institution or through University Extension; students who plan to graduate at the end of the

summer session may request approval to take transfer work only in the first summer term.

## Bible Courses

Bible courses may be counted as lower-division electives in School of Information degree programs that have room for such electives. No more than 12 semester hours of such work may be counted toward any degree offered by the University.

## Bachelor of Arts

A total of 120 semester hours is required. Thirty-six hours must be in upper-division courses. At least 60 hours, including 21 hours of upper-division coursework, must be completed in residence at the University; at least 24 of the last 30 hours must be completed in residence at the University. Provided residence rules are met, credit may be earned with the approval of the dean by examination, by extension, by correspondence, or by work transferred from another institution. Up to 12 semester hours of classroom and/or correspondence coursework may be taken on the pass/fail basis; this coursework may be counted only as electives.

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity and global cultures flags from the same course. Students are encouraged to discuss options with a departmental academic advisor.

The specific requirements for the Bachelor of Arts with a major in Informatics consist of prescribed work, the major, and electives. Only in the following cases may a single course be counted toward more than one requirement:

- A course that fulfills a core curriculum requirement may also be counted toward any specific requirement of the Informatics major unless otherwise stated below.
- Courses counted toward the prescribed work may also be counted toward the Informatics major.
- A course that fulfills another requirement may also be used to fulfill a flag requirement.

## Prescribed Work

- Informatics 302, *Academic Success in the Digital University*.
- Informatics 303, *Ethical Foundations for Informatics*.
- Informatics 304, *Programming for Informatics*.  
Informatics 305, *Research Methods for Informatics*.
- Informatics 306, *Statistics for Informatics*.
- Foreign Language*: Beginning-level proficiency coursework, or the equivalent, in a foreign language.

- Six credit hours of additional Liberal Arts coursework or equivalent from an approved list.
- Informatics 372, *Career Success in the Digital Organization*.

## Major Requirements

### Cultural Heritage Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory Concentration course*: Informatics 310C.
- Additional introductory concentration course: Informatics 310D, 310J, 310M, 310S, or 310U.
- Advanced concentration coursework*: Nine credit hours of advanced topics coursework in Informatics 320C, *Topics in Cultural Heritage Informatics*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective: Three hours of Informatics elective coursework in the School of Information.

### Human-Centered Data Science Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory Concentration course*: Informatics 310D.
- Additional introductory concentration course: Informatics 310C, 310J, 310M, 310S, or 310U.
- Advanced concentration coursework*: Nine credit hours of advanced topics coursework in Informatics 320D, *Topics in Human-Centered Data Science*.
- Informatics 379C, *Capstone*, (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective: Three hours of Informatics elective coursework in the School of Information.

### Social Justice Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory Concentration course*: Informatics 310J.
- Additional introductory concentration course: Informatics 310C, 310D, 310M, 310S, or 310U.
- Advanced concentration coursework*: Nine credit hours of advanced topics coursework in Informatics 320J, *Topics in Social Justice Informatics*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

### Health Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory Concentration course*: Informatics 310M.
- Additional introductory concentration course: Informatics 310C, 310D, 310J, 310S, or 310U.
- Advanced concentration coursework*: Nine credit hours of advanced topics coursework in Informatics 320M, *Topics in Health Informatics*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).

- f. *Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

Social and Behavioral Sciences (Core) <sup>080</sup>	3	U.S. History (Core) <sup>060</sup>	3		
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	

## Social Informatics Concentration

- a. Informatics 301, *Introduction to Informatics*.
- b. *Introductory Concentration course*: Informatics 310S.
- c. Additional introductory concentration course: Informatics 310C, 310D, 310J, 310M, or 310U.
- d. *Advanced concentration coursework*: Nine credit hours of advanced topics coursework in Informatics 320S, *Topics in Social Informatics*.
- e. Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- f. *Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 310J (Major)	3	I 310C (Major)	3	None	
I 305 (Major)	3	I 306 (General Education)	3		
Minor/Certificate course (Elective)	3	Minor/Certificate course (Elective)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>010</sup>	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	

## User Experience Design Concentration

- a. Informatics 301, *Introduction to Informatics*.
- b. *Introductory Concentration course*: Informatics 310U.
- c. Additional introductory concentration course: Informatics 310C, 310D, 310J, 310M, or 310S.
- d. *Advanced concentration coursework*: Nine credit hours of advanced topics coursework in Informatics 320U, *Topics in User Experience Design*.
- e. Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- f. *Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 320J (Major)	3	I 320J (Major)	3	None	
Liberal Arts course (General Education)	3	I 372 (Major)	3		
Foreign Language (General Education)	3	Liberal Arts course (General Education)	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 320J (Major)	3	I 379C (Major)	3	None	
Free elective (Elective)	3	Minor/Certificate course (Elective)	3		
Minor/Certificate course (Elective)	3	Minor/Certificate course (Elective)	3		
Minor/Certificate course (Elective)	3	Minor/Certificate course (Elective)	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Minor/Certificate course (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

Total credit hours: 120

## Electives

In addition to the core curriculum, prescribed work, and major, students must complete enough elective coursework to provide the 120 semester hours required for the degree. These 120 hours may include no more than 12 hours of designated coursework in air force science, military science, or naval science; 12 hours completed on the pass/fail basis; and 36 hours in any other single college or school of the University.

## Minors and Certificates

Students may choose to pursue a minor and/or certificate to offset elective credit. The minor or certificate consists of a specific number of semester hours of coursework completed outside the student's major field. The requirements of the minor or certificate are established by the offering department. Only one minor may be declared per major. Before planning to use a course to fulfill the minor or certificate requirement, the student should consult the department that offers the course.

## Suggested Arrangement of Courses, Informatics (BA)

### Informatics, Social Justice Informatics (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 301 (Major)	3	I 303 (Major) <sup>E</sup>	3	None	
I 302 (General Education)	3	I 304 (Major)	3		
U.S. History (Core) <sup>060</sup>	3	Mathematics (Core) <sup>020,QR</sup>	3		

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

*Course categories: Core, General Education, Major, Elective, Opportunity*

*Core Component Areas:* <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing \(p. 11\)](#)

# Bachelor of Science in Informatics

A total of 120 semester hours is required. Thirty-six hours must be in upper-division courses. At least 60 hours, including 21 hours of upper-division coursework, must be completed in residence at the University; at least 24 of the last 30 hours must be completed in residence at the University. Provided residence rules are met, credit may be earned with the approval of the dean by examination, by extension, by correspondence, or by work transferred from another institution. Up to 12 semester hours of classroom and/or correspondence coursework may be taken on the pass/fail basis; this coursework may be counted only as electives.

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity and global cultures flags from the same course. Students are encouraged to discuss options with a departmental academic advisor.

The specific requirements for the Bachelor of Science in Informatics consist of prescribed work, the major, and electives. Only in the following cases may a single course be counted toward more than one requirement:

- A course that fulfills a core curriculum requirement may also be counted toward any specific requirement of the Informatics major unless otherwise stated below.
- Courses counted toward the prescribed work may also be counted toward the Informatics major.
- A course that fulfills another requirement may also be used to fulfill a flag requirement.

## Prescribed Work

- Informatics 302, *Academic Success in the Digital University*.
- Informatics 303, *Ethical Foundations for Informatics*.
- Informatics 304, *Programming for Informatics*.
- Informatics 305, *Research Methods for Informatics*.
- Informatics 306, *Statistics for Informatics*.
- Foreign Language*: Beginning-level proficiency coursework, or the equivalent, in a foreign language.
- Six additional credit hours in science, technology, engineering, and math from an approved course list.
- Informatics 372, *Career Success in the Digital Organization*.

## Major Requirements

### Cultural Heritage Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory concentration course*: Informatics 310C.

- Additional introductory concentration course: Informatics 310D, 310J, 310M, 310S, or 310U.
- Advanced concentration coursework: Nine credit hours of advanced topics coursework in Informatics 320C, *Topics in Cultural Heritage Informatics*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

### Human-Centered Data Science Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory concentration course*: Informatics 310D.
- Additional introductory concentration course: Informatics 310C, 310J, 310M, 310S, or 310U.
- Advanced concentration coursework: Nine credit hours of advanced topics coursework in Informatics 320D, *Topics in Human-Centered Data Science*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

### Social Justice Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory concentration course*: Informatics 310J.
- Additional introductory concentration course: 310C, 310D, 310M, 310S, or 310U.
- Advanced concentration coursework: Nine credit hours of advanced topics coursework in Informatics 320J, *Topics in Social Justice Informatics*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

### Health Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory concentration course*: Informatics 310M.
- Additional introductory concentration course: Informatics 310C, 310D, 310J, 310S, or 310U.
- Advanced concentration coursework: Nine credit hours of advanced topics coursework in Informatics 320M, *Topics in Health Informatics*.
- Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

### Social Informatics Concentration

- Informatics 301, *Introduction to Informatics*.
- Introductory concentration course*: Informatics 310S.
- Additional introductory concentration course: Informatics 310C, 310D, 310J, 310M, or 310U.
- Advanced concentration coursework: Nine credit hours of advanced topics coursework in Informatics 320S, *Topics in Social Informatics*.



- e. Informatics 379C, *Capstone* (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- f. *Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

## User Experience Design Concentration

- a. Informatics 301, *Introduction to Informatics*.
- b. *Introductory concentration course*: Informatics 310U.
- c. Additional introductory concentration course: Informatics 310C, 310D, 310J, 310M or 310S.
- d. Advanced concentration coursework: Nine credit hours of advanced topics coursework in Informatics 320U, *Topics in User Experience Design*.
- e. Informatics 379C, *Capstone*, (Students pursuing the School of Information Honors distinction may substitute Informatics 679H, *Honors Thesis*).
- f. *Informatics elective*: Three hours of Informatics elective coursework in the School of Information.

## Electives

In addition to the core curriculum, prescribed work, and major, students must complete enough elective coursework to provide the 120 semester hours required for the degree. These 120 hours may include no more than 12 hours of designated coursework in air force science, military science, or naval science; 12 hours completed on the pass/fail basis; and 36 hours in any other single college or school of the University.

## Minors and Certificates

Students may choose to pursue a minor and/or certificate to offset elective credit. The minor or certificate consists of a specific number of semester hours of coursework completed outside the student's major field. The requirements of the minor or certificate are established by the offering department. Only one minor may be declared per major. Before planning to use a course to fulfill the minor or certificate requirement, the student should consult the department that offers the course.

## Suggested Arrangement of Courses, Informatics (BSI)

### Informatics, User Experience Design (BSI)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 301 (Major)		3 I 303 (Major) <sup>E</sup>		3 None	
I 302 (General Education)		3 I 304 (Major)		3	
U.S. History (Core) <sup>060</sup>		3 Mathematics (Core) <sup>020,QR</sup>		3	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 U.S. History (Core) <sup>060</sup>		3	
UGS 302 or 303 (Core) <sup>090,Wr</sup>		3 RHE 306 (Core) <sup>010</sup>		3	
15		15		0	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 310U (Major)		3 I 310C (Major)		3 None	
I 305 (General Education)		3 I 306 (General Education)		3	
Minor/Certificate course (Elective)		3 Minor/Certificate course (Elective)		3	
Visual and Performing Arts (Core) <sup>050</sup>		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	

GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
15		15		0	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 320U (Major)		3 I 320U (Major)		3 None	
Natural Sciences course (General Education)		3 I 372 (Major)		3	
Foreign Language (General Education)		3 Natural Sciences course (General Education)		3	
Natural Science and Technology, Part I (Core)		3 Natural Science and Technology, Part II (Core) <sup>093</sup>		3	
Minor/Certificate course (General Education)		3 Minor/Certificate course (Elective)		3	
15		15		0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
I 320U (Major)		3 I 379C (Major)		3 None	
Minor/Certificate course (Major)		3 Minor/Certificate course (Elective)		3	
Free elective (Elective)		3 Minor/Certificate course (Elective)		3	
Minor/Certificate course (Elective)		3 Minor/Certificate course (Elective)		3	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Minor/Certificate course (Elective)		3	
15		15		0	
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

### Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minors and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

### Informatics Minor

Fifteen semester credit hours composed of:

Requirements	Hours
I 301 Introduction to Informatics (Introduction to Informatics)	3
Six upper-division credit hours in Informatics	6
Six additional credit hours in Informatics	6

Courses presented for the minor must have grades of at least C-.

## Certificates

A student may not earn any transcript-recognized certificate in the same field as his or her major, and at least one certificate course must be outside the requirements of the major. However, certificate courses outside the major may be counted toward other degree requirements.

Students admitted to transcript-recognized certificates must contact their academic advisors to have approved certificates added to their degree audit profiles. This allows progress toward the credential to be tracked and ensures that certificates are added to official transcripts upon graduation, if all requirements are met.

To see a full list of certificates offered at the University, please see [Minor and Certificate Programs](#) (p. ) section of the *Undergraduate Catalog*.

## Digital Humanities Certificate

The Digital Humanities Certificate is sponsored by the College of Liberal Arts and the School of Information; it is administered by the College of Liberal Arts. Information regarding the specific requirements of the minor can be found in the College of Liberal Arts' [Minor and Certificate Programs](#) (p. ) section of the *Undergraduate Catalog*.

## Courses, School of Information

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Information: [Informatics \(I\)](#), [Information Security and Privacy \(ISP\)](#), and [Information Studies \(INF\)](#).

## School of Information Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Amelia Acker, Assistant Professor  
School of Information  
PhD, University of California-Los Angeles, 2014

Anson Chase Airmet, Adjunct Assistant Professor  
School of Information  
MS, Art Center College of Design, 2015

Jennifer E Allen, Adjunct Assistant Professor  
School of Information  
MS, University of Texas at Austin, 2017

Ahmer Arif, Assistant Professor  
School of Information  
PhD, University of Washington - Seattle, 2020

Gabriel Elijah Bailey, Adjunct Assistant Professor  
School of Information  
MS, University of Texas at Austin, 2019

Jakki Bailey, Assistant Professor  
School of Information  
PhD, Stanford University, 2018

John Robert Bautista, Lecturer  
School of Information  
PhD, Nanyang Technological University, 2019

Brenda L Berkelaar, Lecturer  
Department of Mechanical Engineering and School of Information  
PhD, Purdue University Main Campus, 2010

Randolph G Bias, Professor  
School of Information  
PhD, University of Texas at Austin, 1978

Craig Erben Blaha, Assistant Professor of Instruction  
School of Information  
MA, Claremont Graduate University, 1996

Roxanne Bogucka, Adjunct Assistant Professor  
School of Information  
MLIS, University of Texas at Austin, 1997

Kayla Booth, Assistant Professor of Instruction  
School of Information  
PhD, Pennsylvania State University Park, 2018

Jonelle Bradshaw Hernandez, Research Assistant Professor  
School of Information  
PhD, Stony Brook University, 2018

Andrea Sophie Cato, Adjunct Assistant Professor  
School of Information  
MS, University of Texas at Austin, 2011

Mary C Criner, Lecturer  
School of Information  
PhD, Louisiana State University and Agricultural and Mechanical College, 2000

Sarah H Cunningham, Lecturer  
School of Information  
MS, University of Texas at Austin, 2003

Andrew P Dillon, Professor  
Vara Martin Daniel Regents Professorship in Libraries, Archives & Information Studies  
Department of Information, Risk, and Operations Management, Department of Psychology, and School of Information  
PhD, Loughborough University, 1991

Ying Ding, Professor  
Bill and Lewis Suit Professorship  
School of Information and Department of Population Health  
PhD, Nanyang Technological University, 2001

Philip Doty, Associate Professor  
School of Information  
PhD, Syracuse University Main Campus, 1995

Rebecca K Elder, Adjunct Assistant Professor  
School of Information  
MSLS, University of Texas at Austin, 2003

Mycal Elliott, Adjunct Assistant Professor  
School of Information  
MDES, Illinois Institute of Technology, 2007

Maggie Engler, Lecturer  
School of Information  
MS, Stanford University, 2019

Kenneth Robert Fleischmann, Professor  
School of Information  
PhD, Rensselaer Polytechnic Institute, 2004

Luis Francisco-Revilla, Lecturer  
School of Information  
PhD, Texas A & M University, 2004

Caron Elizabeth Margaret Garstka, Lecturer  
School of Information  
MS, University of Texas at Austin, 2013

Edgar Gomez-Cruz, Associate Professor  
School of Information  
PhD, Universitat Oberta de Catalunya, 2011

ANTHONY H GRUBESIC, Professor  
School of Information  
PhD, The Ohio State University Main Campus, 2001

Stanley T Gunn Jr, Adjunct Assistant Professor  
School of Information  
MLS, University of Texas at Austin, 1998

Jacek Gwizdka, Associate Professor  
School of Information  
PhD, University of Toronto, 2004

Lorraine J Haricombe, Professor  
School of Information and Office of the Executive Vice President and  
Provost  
PhD, University of Illinois at Urbana-Champaign, 1992

Elliott Hauser, Assistant Professor  
School of Information  
PhD, University of North Carolina at Chapel Hill, 2020

Lance A Hayden, Adjunct Assistant Professor  
School of Information  
PhD, University of Texas at Austin, 2009

James L Howison, Associate Professor  
School of Information  
PhD, Syracuse University Main Campus, 2009

Ashley M Hunter, Adjunct Assistant Professor  
School of Information  
MBA, Texas A&M University - Commerce, 2003

Barbara A Jansen, Adjunct Assistant Professor  
School of Information  
PhD, University of Texas at Austin, 2014

Teju K V, Lecturer  
School of Information  
MBA, University of Washington - Seattle, 2013

Rajashree A Kamat, Adjunct Assistant Professor  
School of Information  
MS, University of Texas at Austin, 2018

Steven Dennis Kantner, Adjunct Assistant Professor  
School of Information  
MS, University of Texas at Austin, 2014

Daniel J Kramer, Lecturer  
School of Information  
MS, University of Texas at Austin, 2020

R David LANKES, Professor

Virginia and Charles Bowden Endowed Professorship in Librarianship  
School of Information  
PhD, Syracuse University Main Campus, 1999

Matthew Alan Lease, Associate Professor  
School of Information and Department of Computer Science  
PhD, Brown University, 2009

Min Kyung Lee, Assistant Professor  
School of Information  
PhD, Carnegie Mellon University, 2013

Ken Meiser, Lecturer  
School of Information  
MS, University of Texas at Austin, 2018

Eric T Meyer, Professor  
Mary R. Boyvey Chair for Excellence, Louis T. Yule Regents Professorship  
in Library and Information Science  
School of Information  
PhD, Indiana University at Bloomington, 2007

John L Neumann, Lecturer  
School of Information  
PhD, University of Central Florida, 2006

Eric Nordquist, Clinical Associate Professor  
School of Information  
MA, New Mexico State University Main Campus, 2004

Sarah S Norris, Assistant Professor of Practice  
School of Information  
MS, University of Texas at Austin, 2009

Sam G Oh, Visiting Professor  
School of Information  
PhD, Syracuse University Main Campus, 1995

Karen L Pavelka, Senior Lecturer  
School of Information  
MS, Columbia University in the City of New York, 1988

Michelle R Peterson, Adjunct Assistant Professor  
School of Information  
PhD, University of Florida, 2000

SOO YOUNG RIEH, Professor  
School of Information  
PhD, Rutgers the State University of New Jersey Newark Campus, 2000

Loriene Roy, Professor  
School of Information and Center for Women's and Gender Studies  
PhD, University of Illinois at Urbana-Champaign, 1987

Alonzo Fleming Seay, Adjunct Assistant Professor  
School of Information  
PhD, Carnegie Mellon University, 2006

Thomas G Serres, Adjunct Assistant Professor  
School of Information  
HS/GED, , 2000

Stephen Slota, Lecturer  
School of Information  
PhD, University of California-Irvine, 2017

Angela D Smith, Assistant Professor  
School of Information  
MS, Eastern Michigan University, 2012

Sandra L Sweat, Adjunct Assistant Professor  
School of Information  
MS, University of Texas at Austin, 2016

Brian Matthew Thomas, Lecturer  
School of Information  
MS, University of Texas at Austin, 2013

Thomas L Thornton, Lecturer  
School of Information  
PhD, University of Texas at Austin, 2002

Stephanie Swenson Towery, Adjunct Assistant Professor  
School of Information  
JD, University of Texas at Austin, 1994

Ciaran Trace, Associate Professor  
School of Information  
PhD, University of California-Los Angeles, 2004

Jyothi Vinjumur, Lecturer  
School of Information  
PhD, University of Maryland College Park, 2018

Christine Walczyk, Adjunct Assistant Professor  
School of Information  
PhD, University of North Texas, 2016

Bettina M Warburg-Johnson, Adjunct Assistant Professor  
School of Information  
MS, University of Oxford, 2010

Donald A Westbrook III, Lecturer  
School of Information  
PhD, Claremont Graduate University, 2015

Brooke E Wooley, Lecturer  
School of Information  
PhD, University of Texas at Austin, 2015

Michael Sean Wyatt, Lecturer  
School of Information  
MBA, St Edward's University, 2001

Bo Xie, Professor  
School of Nursing and School of Information  
PhD, Rensselaer Polytechnic Institute, 2006

Yan Zhang, Associate Professor  
School of Information  
PhD, University of North Carolina at Chapel Hill, 2009

## College of Liberal Arts

Ann H. Stevens, PhD, Dean

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## General Information

### Arts and Sciences Education

The academic program offered cooperatively by the College of Liberal Arts and the College of Natural Sciences provides what is sometimes referred to as a “liberal arts” or an “arts and sciences” education. No matter what area of knowledge a student intends to specialize in, the program of study will require courses in both colleges. The colleges work together to ensure that the individual interests and needs of the students pursuing an arts and sciences program are met.

Guidelines for developing a coherent plan of study are provided by major requirements, by sequential prerequisites, and by optional patterns of emphasis. Departmental majors, areas of specialization, and interdepartmental programs are designed to enable every student to study at least one field in depth. These programs are sufficiently broad in scope to allow students in the same major to develop quite different plans of study in pursuit of their individual interests and goals. Each student should choose courses that are intellectually challenging and that contribute to his or her long-term objectives.

Arts and sciences students are required to take a certain number of courses in the natural sciences, the social and behavioral sciences, and the humanities. Consequently, whatever their fields of study, they have the opportunity to learn something about the basic differences in the ways questions are raised and answered in several fields of inquiry, and about the techniques for validating the answers and putting the results to use. At the same time, they may gain some of the philosophical and historical perspectives that illuminate and give form to general or specialized knowledge and help to reveal its relevance.

Both teachers and students sometimes make the assumption that independent and creative study is exclusively for the gifted. In fact, the primary requirement is that the student be highly motivated, although he or she must also demonstrate ability. The departments that make up the two arts and sciences colleges encourage all qualified students to work independently in special honors courses and seminars and in conference, studio, or laboratory work. The student is free to define a major, to determine whether a given assignment will be an adventure or a chore, free to develop its latent possibilities or merely satisfy its explicit demands. True creativity presupposes more than a gift for innovation; it requires an unceasing commitment to thinking and working at one's highest level.

As competence is gained in a chosen field, the mind should be progressively sharpened, disciplined, and enriched. The student who leaves arts and sciences studies with an enhanced understanding of self and humankind, of cultural and historical heritage, of the world and the universe, and of the moral values that make it possible to live a meaningful life, will have made the most of education, having gained something over and above the objective of vocational preparedness.

### Financial Assistance Available through the College

Special scholarships established by individuals and foundations are open to undergraduates in the College of Liberal Arts. Financial assistance is also available in many College of Liberal Arts departments, centers, and programs for specific undergraduate majors.

Students with financial need should apply for aid through the Office of Scholarships and Financial Aid. The Study Abroad Office also administers a number of awards designed to help qualified students participate in international programs.

Information on College of Liberal Arts scholarships is given [online](#). Information on scholarships awarded through individual departments, centers, and programs is published on their websites.

## Student Services

### Academic Advising

The assistant dean for the Student Division, under the guidance of the associate dean, oversees advising activity for all students in the College of Liberal Arts. The Student Division provides administrative and logistical support for all operations relating to students, including advisor training, official degree checks, and graduation certification.

Liberal Arts advisors embrace the idea that advising is teaching, and foster student development through partnerships and practices dedicated to student success. Advisors work with students to identify and achieve academic and life goals and establish a timely graduation plan, encourage critical thinking strategies, and stimulate intellectual and cultural development. In these ways, advisors teach the value of a liberal arts education for engaged, self-directed learners.

Departmental advisors work directly with their students regarding course selection. They also initiate petitions affecting the major or minor; encourage co- and extracurricular activities, including study abroad; and administer honors programs.

Students who have not yet declared a major work directly with Student Division advisors, who guide students through the process of selecting courses and exploring majors. Student Division advisors also work with students on withdrawing from classes, appeals for exceptions to standard policies and procedures, graduation applications, certifying all graduates' academic programs, and nonacademic issues.

Every student in the college has access to appropriate advisors throughout his or her academic career. In addition, students can create and view their own advising audits using IDA, the Interactive Degree Audit system. The advising audit is produced for advising purposes only and is not an official degree audit.

### Career Services

Liberal Arts Career Services (LACS) provides career assistance to current and newly graduated liberal arts students. The goal of the office is to connect College of Liberal Arts students with postgraduate and experiential learning opportunities throughout the world.

Through job search advising, résumé critiques, mock interviews, credit-based classes, and a variety of workshops and programs, LACS helps students develop the skills needed to succeed in the job search and in the workplace. LACS also provides comprehensive pre-law advising services, including application assistance and review and law school admission advising.

To connect students to the workplace, LACS manages job and internship postings, provides job and internship fairs and events, and manages an on-campus interviewing program involving a variety of employers and opportunities. Students have access to career management tools and resources with an online recruiting system, LiberalArts@Work. LACS maintains a resource room with books, DVDs, company literature, and job postings.

Hundreds of companies are assisted by LACS each year through computer-based résumé searches, information sessions, and on-campus interviewing. Résumé books for a variety of career fields are available to employers at no charge.

As a complement to the assistance available from LACS, the University's [Sanger Learning Center](#) and the [Vick Center for Strategic](#)

[Advising and Career Counseling](#) in the School of Undergraduate Studies provide career services to all students. The centers offer professional assistance to students in choosing or changing their majors or careers, and planning for graduate study.

For liberal arts students who have completed a teacher certification program, Education Career Services in the College of Education assists with the education job search. Certification candidates must register with Education Career Services, George I. Sánchez Building 216, at the beginning of their student-teaching semester. The office also assists those who wish to find teaching jobs at the college level or in private schools, community colleges, or overseas schools in which certification is not required. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

The University makes no promise to secure employment for each graduate.

## Student Programs

### Foundation Scholars

The Foundation Scholars Program (FSP) is an academic transition program for highly motivated first-year students. Foundation Scholars are students who bring a demonstrated record of academic achievement and are strongly motivated to maintain a tradition of academic excellence at The University of Texas at Austin. The goal of FSP is to work with students to create community, develop leadership skills, and connect students to resources at the University. For more information, see <https://liberalarts.utexas.edu/student-affairs/first-year-programs/Foundation-Scholars-Program/>.

## Admission and Registration

### Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

### Admission to the Health and Society Major

#### Freshman Admission

Applicants should use the ApplyTexas online application and select the Health and Society major listed in the College of Liberal Arts as a first-choice major.

#### External Transfer Admission

Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in the [General Information Catalog](#).

#### Internal Transfer Admission

- Minimum 2.75 cumulative GPA at the University with at least 12 hours in residence for a letter grade.
- Must be prior to fifth long semester, cumulative, including transfer work. Students with four or more semesters in transfer credit may only apply in their first semester.
- Compelling statement of interest in the major.

Applications will be accepted twice per year and will be reviewed after grades are posted. Decisions will be made prior to the start of the following long semester.

The admission committee may consider the following factors, among others, when considering applications:

- GPA trend relative to cumulative GPA
- Strength of essay
- Time to graduation
- Intent to declare health and society as a single major

## Admission to the Bachelor of Science in Environmental Science

Students must be admitted to the Bachelor of Science in Environmental Science degree program; they may apply for admission after completing the following requirements: The student must earn a grade of at least C- in Biology 311C, Chemistry 301, and Mathematics 408C or 408N; and a grade of at least B- in Geological Sciences 401 or 303. To be competitive for admission, the student must have a grade point average of at least 2.75 in these four courses.

Applications are evaluated after the end of each fall and spring semester. Students whose applications are denied may reapply through the supplemental admission process the following semester. Admission decisions are based on the student's grade point average in the basic sequence courses, his or her University grade point average, and other factors; these factors include, but are not limited to, the difficulty of the student's course load, course repetitions, and proven mathematical ability. Students should consult advisors in the College of Liberal Arts Student Advising Office, Dorothy Gebauer Building 2.200, for information about the application process and application deadlines. Once admitted to the degree program, students will be advised in the Department of Geography and the Environment.

More information about the degree program is given in [Bachelor of Science in Environmental Science](#) (p. 340).

## Admission to the Environmental Science Program

All freshmen and external transfer students majoring in environmental science (EVS) are first admitted to the University as entry-level EVS majors in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences. After completing a minimum of 24 hours in residence, students may select the EVS degree plan that best suits their long-term interests and, if necessary, transfer to the appropriate college/school in accordance with the regulations and procedures set forth in that college or school's *General Information*.

### Freshman Admission

Freshmen applicants seeking admission to the EVS major through the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences must meet the calculus readiness requirement by the official admissions application deadline. More information about the calculus readiness requirement is available through the [University Admissions Office](#).

Freshmen applicants to the EVS major from all three colleges/schools are reviewed and admitted as a single cohort. Applicants should use the [ApplyTexas online application](#) and select the "Environmental Science, Entry-Level" major option listed in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences as a first-choice major. Applicants should apply to the EVS program in the college that best suits their anticipated area of focus (geographical sciences, biological sciences, or geological sciences, respectively).

### External Transfer Admission

Students who wish to transfer to the University from another college or University must apply to the Office of Admissions as described in [General Information](#). External transfer applicants seeking admission to

the Environmental Science (EVS) Degree Program through the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences must demonstrate calculus readiness by the official admissions application deadline. Details regarding transfer calculus readiness are available through the [University Admissions Office](#).

External transfer applicants to the EVS major from all three colleges/schools are reviewed and admitted as a single cohort. Applicants should use the [ApplyTexas online application](#) and select the "Environmental Science, Entry-Level" major option listed in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences as a first-choice major. Applicants should apply to the EVS program in the college that best suits their anticipated area of focus (geographical sciences, biological sciences, or geological sciences, respectively).

### Internal Transfer Admission

Internal transfer, entry-level applications submitted to the EVS major through the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences are reviewed and admitted as a single cohort. All internal transfer applicants should use the online EVS Program Transfer Application and must meet the requirements for internal transfer given in the [General Information](#).

To be competitive for admission, internal transfer applicants should have a grade point average of at least 3.0 in Biology 311C, Chemistry 301, Mathematics 408C or 408N or 408K, and Geological Sciences 401 or 303.

Additional Information for all internal transfer applicants:

- Application Deadline: March 1st for entry the following academic year.
- Only currently enrolled students in good academic standing with their college of residence may apply.
- Students may apply during the semester they are completing the minimum requirements to be eligible for consideration.
- Entry-level admission to all Environmental Science majors is offered as space is available to the students who are best qualified. Decisions are based on the student's grade point average in the introductory science and math courses listed above, University grade point average, and other factors including, but not limited to, difficulty of course load, course repetitions, proven mathematical ability, and interest in the field of Environmental Science.

Students should consult with an Academic Advisor for additional information on the application process and deadlines.

## Admission to the Urban Studies Major

### Freshman Admission

Applicants should use the [ApplyTexas online application](#) and select the Urban Studies major listed in the College of Liberal Arts as a first-choice major.

### External Transfer Admission

Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in the [General Information Catalog](#).

### Internal Transfer Admission

- a. Minimum 3.0 cumulative GPA at the University with at least 12 hours in residence for a letter grade.
- b. Must be prior to fifth long semester, cumulative, including transfer work. Students with four or more semesters in transfer credit may only apply in their first semester.

- c. Compelling statement of interest in the major touching on academic and extracurricular preparation.

Applications will be accepted twice per year and will be reviewed after grades are posted. Decisions will be made prior to the start of the following long semester. The admission committee may consider the following factors, among others, when considering applications:

- GPA and GPA trend relative to cumulative GPA
- Strength of essay and prior experience (academic or extracurricular) with key urban dilemmas
- Time to graduation
- Intent to declare Urban Studies as a single major

## Registration

[General Information](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and the [General Information Catalog](#) are published on the registrar's [website](#).

## Academic Policies and Procedures

### Repetition of a Course

Students in the College of Liberal Arts may not repeat any course in which they have earned a grade of C- or better.

### Honors

University-wide honors are described in [University Honors](#) (p. 20) and in the [General Information Catalog](#). In addition, the College of Liberal Arts provides recognition through the Dean's Honor List and the Plan I Honors Programs. Students may also graduate with departmental honors and earn membership in one or more of the honorary scholastic societies open to undergraduates.

### Dean's Honor List

The Dean's Honor List, prepared at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered; a grade of F in any course makes the student ineligible, regardless of other grades.

The Honor List is divided into five groups; according to the number of grade points they earn, students are listed under one of the following classifications:

- Summa cum Laude (67 or more grade points)
- Cum Laude Ampla et Magna (61–66 grade points)
- Magna cum Laude (58–60 grade points)
- Ampla cum Laude (55–57 grade points)
- Cum Laude (52–54 grade points)

### Liberal Arts Honors Programs, Plan I

Liberal Arts Honors Programs coordinates the various honors opportunities available to Plan I students in the college: the Freshman Honors Program, the departmental honors programs, and the Liberal Arts Honors Program. This array of choices is designed for students who

seek flexibility and choice in their honors work and for those who want to pursue an honors degree in a particular discipline.

The Freshman Honors Program gives selected students access to honors sections of lower-division introductory courses. Each student admitted to the program is required to take an active part in three courses in the first year: Liberal Arts Honors 102H, *The Idea of the Liberal Arts*, Liberal Arts Honors 103H, *The Ideas of Civic Engagement*, and one designated honors writing course. The program serves as a preparation for departmental honors programs and for the upper-division Liberal Arts Honors Program. Students must apply to the Freshman Honors Program when they apply to the University. Admission decisions are based on the applicant's demonstrated commitment to the liberal arts, test scores, high school records, and an application essay.

The upper-division Liberal Arts Honors Program offers challenging and intensive interdisciplinary courses taught by distinguished faculty members. Students who have completed at least 60 semester hours of coursework and have earned a University grade point average of at least 3.50 are eligible to enroll in these courses. There is no application process.

The requirements for graduation with liberal arts honors are

- a. Graduation from the College of Liberal Arts with any degree other than the Bachelor of Arts, Plan II
- b. A University grade point average of at least 3.50 at graduation
- c. Completion of at least three upper-division liberal arts honors (LAH) courses with at least a grade of A- in two of the courses and a grade of at least B in the third
- d. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

The statement "Liberal Arts Honors" appears on the academic record of each graduate who fulfills these requirements. The student may earn both liberal arts honors and special honors in his or her major department.

### Departmental Honors Programs

Most departments in the College of Liberal Arts offer honors programs to their majors. Minimum requirements for departmental honors are

- a. A University grade point average of at least 3.00
- b. A three-semester-hour thesis or research project, or a reasonable equivalent, with a grade of at least B
- c. Completion, with a grade point average of at least 3.50, of the coursework required for a major in the field
- d. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

Each department may establish additional or more rigorous requirements. Thesis coursework in one department's honors program may not be applied toward the requirements of an interdisciplinary program.

The statement "Special Honors in (name of field)" appears on the transcript of each graduate certified as having completed the honors program.

### African and African Diaspora Studies Honors Program

Majors who plan to seek special honors in African and African diaspora studies should apply to the undergraduate advisor for admission to the honors program at least two semesters before they expect to graduate. A University grade point average of at least 3.00 is required for admission. The requirements for graduation with special honors are

- a. African and African Diaspora Studies 679H, *Honors Tutorial Course*, with a grade of at least *B* in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### American Studies Honors Program

Majors who plan to seek special honors in American studies should apply to the honors advisor for admission to the honors program at least two semesters before they expect to graduate. A University grade point average of at least 3.00 is required for admission. In addition to the requirements of the major, requirements for graduation with special honors are

- a. American Studies 679H, *Honors Tutorial Course*, with a grade of at least *B* in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Anthropology Honors Program

Majors who plan to seek special honors in anthropology should apply to the honors advisor for admission to the honors program no later than two semesters before they expect to graduate; the applicant must be recommended by the faculty member who will supervise the honors work. A University grade point average of at least 3.00 and a grade point average in anthropology of at least 3.50 are required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. Anthropology 679H, *Honors Tutorial Course*, with a grade of *A-* in each half
- b. Satisfactory performance on a comprehensive oral examination centered on the thesis completed in Anthropology 679H
- c. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- d. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Asian American Studies Honors Program

Ethnic studies majors who plan to seek special honors in Asian American studies should apply to the honors advisor for admission to the honors program no later than two semesters before they expect to graduate. A University grade point average of at least 3.00 is required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the concentration, are

- a. Asian American Studies 679H, *Honors Tutorial Course*, with a grade of *A* in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the concentration in Asian American studies and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Asian Cultures and Languages Honors Program

Majors who plan to seek special honors in Asian cultures and languages should apply to the honors advisor by April 30 for admission to the honors program the following fall. If April 30 falls on a weekend or an

official university holiday, the application is due on the next business day. Requirements for admission are completion of 60 semester hours of coursework at the University, a University grade point average of at least 3.00, and a grade point average of at least 3.50 in Asian cultures and languages. Students must complete at least 12 semester hours of upper-division coursework in the Department of Asian Studies before applying for admission to the honors program. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. Asian Studies 678H, *Honors Tutorial Course*, with a grade of *A* in each half
- b. A University grade point average of at least 3.00, and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Asian Studies Honors Program

Majors who plan to seek special honors in Asian studies should apply to the honors advisor by April 30 for admission to the honors program the following fall. If April 30 falls on a weekend or an official University holiday, the application is due on the next business day. Requirements for admission are completion of 60 semester hours of coursework at the University, a University grade point average of at least 3.25, and a grade point average in Asian studies of at least 3.50. Students must complete at least 12 semester hours of upper-division coursework in the Department of Asian Studies before applying for admission to the honors program. The requirements for graduation with special honors are

- a. Asian Studies 678H, *Honors Tutorial Course*, with a grade of *A-* in each half
- b. A University grade point average of at least 3.25, and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree
- d. Completion of the Asian Studies degree plan, with the exception of Asian Studies 379

### Classical Studies Honors Program

Majors who plan to seek special honors in classical studies should apply to the honors advisor for admission to the honors program at least one full academic year before they expect to graduate. A University grade point average of at least 3.00 is required for admission, as is a grade point average of at least 3.50 in all coursework required for the major and specialization that the student has completed. Completion of Ancient History and Classical Civilization 378 or Classical Civilization 375 is highly recommended before applying for special honors. The requirements for graduation with special honors, which are in addition to the requirements of the major, are

- a. Classical Civilization 679H, *Honors Tutorial Course* with a grade of at least *A-* in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Classical Languages Honors Program

Majors who plan to seek special honors in Greek, special honors in Latin, or special honors in classics should apply to the honors advisor for admission to the honors program at least one full academic year before they expect to graduate. A University grade point average of at least 3.00



and a grade point average in Greek (for the Greek specialization), Latin (for the Latin specialization), or Greek, Latin, and classical civilization combined (for the classics specialization) of at least 3.50 are required for admission. Completion of Ancient History and Classical Civilization 378 or Classical Civilization 375 is highly recommended before applying for special honors. The requirements for graduation with special honors, which are in addition to the requirements of the major, are

- a. Classical Civilization 679H, *Honors Tutorial Course* with a grade of at least A- in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Economics Honors Program

Majors who plan to seek special honors in economics must apply to the honors advisor for admission to the honors program before the first registration period for the first semester of their senior year. Students are encouraged to apply as early as the beginning of the first semester of their sophomore year. A University grade point average of at least 3.00 and a grade point average in economics of at least 3.50 are required for admission. Before a student registers for Economics 378H, the student's thesis proposal must be approved first by the supervising instructor and then by the honors advisor. The requirements for graduation with special honors are

- a. At least 34 semester hours in economics
- b. Economics 378H, *Honors Tutorial Course I*, and Economics 379H, *Honors Tutorial Course II*, with a grade of at least B in each
- c. Regular participation in designated honors courses
- d. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- e. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### English Honors Program

Majors who plan to seek special honors in English should apply for admission to the honors program prior to their junior year. Application forms and information about the program are available in the English Advising Office, Parlin Hall 114, and on the [Department of English website](#). The requirements for graduation with special honors are

- a. Completion of the requirements for a major in English
- b. Completion of three or more upper-division English honors courses with grades of at least B+; these courses may be counted toward the requirements of the major; two of these courses must be completed prior to enrolling in English 368H
- c. English 368H, *Honors Tutorial Course I* and English 369H, *Honors Tutorial Course II* with a grade of at least B+ in each, resulting in the presentation and defense of a thesis judged to be worthy of honors
- d. A University grade point average of at least 3.5 and a grade point average of at least 3.75 in the coursework required for the major and for honors

### French Studies Honors Program

Majors who plan to seek special honors may apply to the honors advisor for admission to the honors program during the semester in which they will complete 60 semester hours of coursework. To enter the program, a student must have completed at least 60 semester hours of coursework, including 12 hours of upper-division coursework in French. These 12 hours must include at least one course numbered 330 or

above. A University grade point average of at least 3.00 and a grade point average in French of at least 3.50 are also required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. French 379H, *Honors Tutorial Course*, with a grade of at least B
- b. Satisfactory performance on an honors examination
- c. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- d. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Geography Honors Program

Majors who plan to seek special honors in geography should apply to the honors advisor for admission to the honors program no later than two semesters before they expect to graduate. A University grade point average of at least 3.00 and a grade point average in geography of at least 3.50 are required for admission. The requirements for graduation with special honors are

- a. Geography 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### German Honors Program

Majors who plan to seek special honors in German should apply to the honors advisor for admission to the honors program upon completion of 30 semester hours; they must apply no later than upon completion of 90 semester hours. Admission is by means of a special examination; a University grade point average of at least 3.00 is also required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. German 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### German, Scandinavian, and Dutch Studies Honors Program

Majors who plan to seek special honors in German, Scandinavian, and Dutch studies should apply to the honors advisor for admission to the honors program upon completion of 30 semester hours; they must apply no later than upon completion of 90 semester hours. Admission is by means of a special examination; a University grade point average of at least 3.00 is also required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. German, Scandinavian, and Dutch Studies 679H, with a grade of at least A- in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Government Honors Program

Majors who plan to seek special honors in government should apply to the honors advisor for admission to the honors program in the spring semester of their junior year. A University grade point average of at least 3.00 is required for admission. The requirements for graduation with special honors are

- a. Thirty-three semester hours of government, including Government 679H, *Honors Tutorial Course*, with a grade of at least *B* in each half
- b. Regular participation in honors seminars
- c. Satisfactory performance on a comprehensive oral or written honors examination
- d. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- e. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Health and Society Honors Program

For the Health and Society Honors Program, students complete a two-semester (six hours) honors thesis under the supervision of a faculty member. Students interested in writing an honors thesis should contact the honors advisor, preferably in the first semester of their junior year, in order to discuss plans for the thesis and begin to lay the groundwork for their project. Students applying for the honors program must have a University grade point average (GPA) of at least 3.00, must have completed Health and Society 301 with a *B-* or better, and must have a GPA of at least 3.50 in their core health and society courses at the time of the application. Students are also expected to identify a thesis supervisor at the time of application. The requirements for graduation with special honors are

- a. Completion of liberal arts and health and society requirements, except for Health and Society 378
- b. A University grade point average of at least 3.00
- c. A health and society grade point average of at least 3.50
- d. Health and Society 679H, *Honors Thesis*

### History Honors Program

History majors who plan to seek special honors in history should apply to the honors advisor for admission to the honors program in the fall semester of the junior year. Application forms and information about the program are available in the History Undergraduate Advising Office, Garrison Hall 1.140. The requirements for graduation with special honors, which are in addition to the requirements of the major, are

- a. History 347L, *Seminar in Historiography*, normally taken in the spring semester of the junior year; this course may be counted toward the 30 hours in history required for the major
- b. History 679H, *Honors Tutorial Course*, with a grade of at least *B* in each half
- c. Satisfactory performance on an oral examination centered on the thesis completed in History 679HB
- d. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- e. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

Normandy Scholar Program (NSP) students may substitute an approved upper-division NSP history course for the History 347L requirement.

### Human Dimensions Of Organizations Honors Program

Majors who plan to seek special honors in human dimensions of organizations should apply to the honors advisor for admission to the honors program at least one full academic year before they expect to graduate. A University grade point average of at least 3.00 is required for admission, as is a grade point average of at least 3.50 in all coursework required for the major that the student has completed. The requirements for graduation with special honors, which are in addition to the requirements of the major, are

- a. Human Dimensions of Organizations 359H and 379H, *Honors Tutorial Courses*, with approval of the student's thesis topic by the director of human dimensions of organizations, and a grade of at least *B* in each half. Students will take these two courses instead of Human Dimensions of Organizations 379.
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Humanities Honors Program

Majors who plan to seek special honors in humanities should apply to the humanities advisor for admission to the honors program no later than the first semester of the junior year. The requirements for graduation with special honors are

- a. A major in humanities
- b. Humanities 679H, *Honors Tutorial Course*, with a grade of at least *A-* in each half
- c. A grade of "Recommended for Special Honors" on an oral examination, conducted and graded by faculty members qualified in the student's area of work, covering the thesis completed in Humanities 679H and a reading list
- d. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- e. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### International Relations and Global Studies Honors Program

Majors who plan to seek special honors in international relations and global studies should apply to the honors advisor for admission to the honors program at least one full academic year before they expect to graduate. A University grade point average of at least 3.00 is required for admission, as is a grade point average of at least 3.50 in all coursework required for the major that the student has completed. The requirements for graduation with special honors are

- a. International Relations and Global Studies 678H, *Honors Tutorial Course*, with a grade of at least an *A-* in each half
- b. Satisfactory defense of the honors thesis completed in International Relations and Global Studies 678HB
- c. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- d. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

The requirements for special honors are in addition to the requirements of the major, except that International Relations and Global Studies 678H may be counted toward the major in place of International Relations and Global Studies 378, the capstone research course.

### Italian Studies Honors Program

Majors who plan to seek special honors in Italian Studies may apply to the honors advisor for admission to the honors program during the semester in which they will complete 60 semester hours of coursework. To enter the program, a student must have completed at least 60 semester hours of coursework, including 12 hours of upper-division coursework in Italian. These 12 hours must include Italian 365 or Italian Civilization 360. A University grade point average of at least 3.00 and a grade point average in Italian of at least 3.50 are also required for admission. The requirements for graduation with special honors, which are in addition to the requirements of the major, are

- a. Italian 379H, *Honors Tutorial Course*, with a grade of at least *B*
- b. Satisfactory performance on an honors examination
- c. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- d. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Jewish Studies Honors Program

Majors who plan to seek special honors in Jewish studies should apply to the honors advisor for admission to the honors program at the beginning of their third year; they must apply no later than the beginning of their last year before graduation. A University grade point average of at least 3.00 is required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. Jewish Studies 679H, *Honors Tutorial Course*, with a grade of *A* in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Latin American Studies Honors Program

Majors who plan to seek special honors in Latin American studies should apply to the honors advisor for admission to the honors program no later than two semesters before they expect to graduate. A University grade point average of at least 3.00 and a grade point average in Latin American content coursework of at least 3.50 are required for admission. The requirements for graduation with special honors are

- a. Latin American Studies 679H, *Honors Tutorial Course*, with a grade of at least *B* in each half and approval of the thesis by both the student's supervisor and the honors advisor
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Linguistics Honors Program

Upper-division linguistics majors who plan to seek special honors in linguistics should apply to the undergraduate honors advisor for admission to the honors program no later than the beginning of their last year. A University grade point average of at least 3.00 and a grade point average in linguistics coursework of at least 3.50 are required for admission. The requirements for graduation with special honors, which are in addition to the requirements of the major, are

- a. Linguistics 679H, *Honors Tutorial Course*, with a grade of at least *B* in each half
- b. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours counted toward the degree

### Mexican American and Latina/o Studies Honors Program

Students who plan to seek special honors in Mexican American and Latina/o Studies should apply to the undergraduate advisor for admission to the honors program no later than two semesters before they expect to graduate. The requirements for admission are a University grade point average of at least 3.00 and a grade point average of at least 3.50 in the required coursework. The requirements for graduation with special honors are

- a. Thirty semester hours of coursework in Mexican American studies, including Mexican American Studies 679H, *Honors Tutorial Course*
- b. *Mexican American Studies 679H*, with a grade of at least *B* in each half
- c. Satisfactory performance on an oral presentation centered on the honors thesis completed in Mexican American Studies 679H
- d. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the concentration and for honors
- e. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Middle Eastern Studies Honors Program

Middle Eastern studies majors who plan to seek special honors in Middle Eastern studies should apply to the honors advisor for admission to the honors program no later than two semesters before they expect to graduate. A University grade point average of at least 3.00 is required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- a. Middle Eastern Studies 679HA, *Honors Tutorial Course* and 679HB, *Honors Tutorial Course*
- b. A University grade point average of at least 3.25 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- c. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Philosophy Honors Program

Majors who plan to seek special honors in philosophy should apply to the undergraduate advisor for admission to the honors program at least two semesters before they expect to graduate. Completion of at least nine semester hours of upper-division coursework in philosophy is required for admission, in addition to a University grade point average of at least 3.00 and a grade point average in philosophy of at least 3.50. The requirements for graduation with special honors are

- a. Philosophy 375M with a grade of at least *B*
- b. Philosophy 679H, *Honors Tutorial Course*, with a grade of at least *B* in both 679HA and 679HB
- c. Satisfactory performance on an oral examination centered on the thesis completed in Philosophy 679H
- d. A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- e. Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

Philosophy 375M may be counted toward the requirements of the major; Philosophy 679H is taken in addition to the requirements of the major.

### Plan II Honors Program: Special Honors

Plan II students who plan to seek special honors in Plan II should apply to the director of the Plan II Honors Program for enrollment in Tutorial Course 660H, *Thesis Course: Honors*, at least two semesters before they expect to graduate. A University grade point average of at least 3.50 is required. The requirements for graduation with special honors are

- Tutorial Course 660H with a grade of at least A in each half, or a departmental equivalent with a grade of at least A
- Satisfactory performance on an oral honors examination centered on the thesis completed in Tutorial Course 660H
- A University grade point average of at least 3.50
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Portuguese Honors Program

Honors will be awarded to students who successfully complete a significant scholarly essay (normally 30 to 50 pages in length). This project should be done in close collaboration with a department faculty member. Majors wishing to graduate with honors should speak with the department professor with whom they want to work. The requirements for graduation with special honors are:

- Portuguese 379H, *Honors Tutorial Course*, with a grade of at least A. Portuguese 379H is offered by individual instruction. It cannot be undertaken before the senior capstone requirement, but may be taken simultaneously. Students who are admitted to the honors program conduct individual research on a literary, linguistic, or cultural topic. A faculty member in the Department of Spanish and Portuguese will supervise the student's research and writing. A second reader is required and may be either in the Department of Spanish and Portuguese or outside of the department. Portuguese 379H is taken in addition to the major requirements.
- A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors.
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree.

### Psychology Honors Program

Prospective candidates for special honors in psychology should apply to the honors advisor for admission to the honors program during the junior year. Requirements for admission are

- A major in psychology
- A University grade point average of at least 3.25 and a grade point average in psychology of at least 3.50
- Completion of the following before entering the honors program: Psychology 301 or the equivalent with a grade of at least C, Psychology 420M with a grade of at least C, and two additional upper-division psychology courses
- Consent of the honors advisor

The requirements for graduation with special honors are

- Thirty-three semester hours of psychology, including Psychology 458, 158H, 359H, and 379H; the student must earn grades of at least B in Psychology 359H, *Honors Research I*, and Psychology 379H, *Honors Research II*
- A University grade point average of at least 3.25 and a grade point average in all psychology courses of at least 3.50

- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Religious Studies Honors Program

Majors who plan to seek special honors in religious studies should apply to the honors advisor for admission to the honors program by the end of their junior year. A University grade point average of at least 3.00 is required for admission. The requirements for graduation with special honors are

- Thirty-three semester hours of religious studies coursework, including completion of all major requirements
- Religious Studies 679HA, *Honors Tutorial Course Honors Tutorial Course*, with a grade of at least B
- Religious Studies 679HB, *Honors Tutorial Course Honors Tutorial Course*, with a grade of at least A and approval of the thesis by the chair of the Department of Religious Studies
- A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Rhetoric and Writing Honors Program

Majors who plan to seek special honors in rhetoric and writing should apply to the honors advisor for admission to the program at the beginning of their third year; they must apply no later than a year before they expect to graduate. Application forms and information about the program are available from the rhetoric and writing advisor. A University grade point average of at least 3.00 is required for admission, as is a grade point average of at least 3.50 in all coursework required of the major that the student has completed.

The requirements for graduation with special honors are

- Rhetoric and Writing 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- A grade point average of at least 3.50 in the coursework required for the major and for honors
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree.

### Russian, East European, and Eurasian Studies Honors Program

Majors who plan to seek special honors in Russian, East European, and Eurasian studies should apply to the honors advisor for admission to the honors program during the junior year or the first semester of the senior year. The application deadline is one week before the first registration period for the semester in which the student wants to enter the program. Requirements for graduation with special honors are

- Russian, East European, and Eurasian Studies 679H, *Honors Tutorial Course*, with a grade of at least B in each half
- A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

Russian, East European, and Eurasian Studies 679H, *Honors Tutorial Course* is taken in addition to the requirements of the major.

### Sociology Honors Program

Majors applying for Sociology Honors should submit an application to the Sociology Honors Advisor. Consideration of applications for the

fall semester begins on February 1<sup>st</sup>. Consideration of applications for the spring semester begins on September 15<sup>th</sup>. Applications will be considered until available slots have been filled. Requirements for admission are completion of 60 semester hours of coursework, a University grade point average of at least 3.00, and a grade point average in sociology of at least 3.50. Students must complete Sociology 302 and either 317L or an approved equivalent before applying for admission to the honors program; they should be enrolled in Sociology 327M and 379M no later than the semester in which they begin the honors thesis coursework. The requirements for graduation with honors in sociology are:

- Sociology 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- Satisfactory performance on an oral defense of the senior thesis completed in the second half of Sociology 679H
- A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Spanish Honors Program

Honors will be awarded to students who successfully complete a significant scholarly essay (normally 30 to 50 pages in length). This project should be done in close collaboration with a department faculty member. Majors wishing to graduate with honors should speak with the department professor with whom they want to work. The requirements for graduation with special honors are:

- Spanish 377H, *Honors Tutorial Course* with a grade of at least A. Spanish 377H is offered by individual instruction. It cannot be undertaken before the senior capstone requirement, but may be taken simultaneously. Students who are admitted to the honors program conduct individual research on a literary, linguistic, or cultural topic. A faculty member in the Department of Spanish and Portuguese will supervise the student's research and writing. A second reader is required and may be either in the Department of Spanish and Portuguese or outside of the department. Spanish 377H is taken in addition to the major requirements.
- A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors.
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree.

### Sustainability Studies Honors Program

Majors who plan to seek special honors in sustainability studies should apply to the honors advisor for admission to the honors program no later than two semesters before they expect to graduate. A University grade point average of at least 3.00 and a grade point average in geography of at least 3.50 are required for admission. The requirements for graduation with special honors are in addition to the requirements for the major; however, honors students may substitute Sustainability Studies 679H for Sustainability Studies 374. The requirements are

- Sustainability Studies 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- A University grade point average of at least 3.00 and a grade point average 3.50 in the coursework required for the major and for honors.
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree.

### Urban Studies Honors Program

Majors who plan to seek special honors in urban studies should apply to the honors advisor for admission to the honors program at least two semesters before they expect to graduate; admission is competitive. The requirements for graduation with special honors are in addition to the requirements for the major; however, honors students may substitute Urban Studies 679H for Urban Studies 370. The requirements are

- Urban Studies 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- A University grade point average of at least 3.50 and a grade point average of at least 3.70 in the coursework required for the major and for honors

### Women's and Gender Studies Honors Program

Majors who plan to seek special honors in women's and gender studies should apply to the honors advisor or undergraduate advisor for admission to the honors program no later than two semesters before they expect to graduate; the applicant must be recommended by the faculty member who will supervise the honors work. A University grade point average of at least 3.00 and a grade point average in women's and gender studies of at least 3.50 are required for admission. The requirements for graduation with special honors, which are in addition to the requirements for the major, are

- Women's and Gender Studies 679H, *Honors Tutorial Course*, with a grade of at least A- in each half
- Satisfactory performance on a comprehensive oral examination centered on the thesis completed in Women's and Gender Studies 679H, *Honors Tutorial Course*
- A University grade point average of at least 3.00 and a grade point average of at least 3.50 in the coursework required for the major and for honors
- Completion in residence at the University of at least 60 semester hours of coursework counted toward the degree

### Scholastic Honorary Societies

In addition to Alpha Lambda Delta and Phi Eta Sigma, honor societies for qualified freshman students in all academic fields, the University sponsors chapters of the following national organizations for which College of Liberal Arts students are eligible.

- Alpha Epsilon Delta*. National honorary premedical fraternity for students who have completed at least three semesters of premedical work.
- Alpha Kappa Delta*. National honorary sociology fraternity.
- Delta Phi Alpha*. National honorary German fraternity.
- Dobro Slovo*. National honorary Slavic fraternity.
- Eta Sigma Phi*. National honorary classical languages fraternity.
- Gamma Theta Upsilon*. National honorary geography fraternity.
- Iota Iota Iota*. National honorary Women's Studies society.
- Kappa Kappa Psi*. National honorary band fraternity.
- Mortar Board*. National honorary society for seniors.
- Omicron Delta Epsilon*. National honorary economics fraternity.
- Omicron Delta Kappa*. National honorary leadership fraternity.
- Phi Alpha Theta*. National honorary history fraternity.
- Phi Beta Kappa*. National honorary society recognizing academic achievement in the arts and sciences.
- Phi Kappa Phi*. National honor society open to students in all academic fields.
- Pi Delta Phi*. National honorary French fraternity.
- Pi Sigma Alpha*. National honorary political science fraternity.

- *Psi Chi*. National honorary psychology fraternity.
- *Sigma Delta Pi*. National honorary Spanish fraternity.
- *Sigma Tau Delta*. National honorary English society.
- *Tau Beta Sigma*. National honorary band society.

## Graduation

### Special Requirements of the College

All students must fulfill the [General Requirements](#) (p. 20) for graduation. Students in the College of Liberal Arts must also fulfill the following requirements.

- The University requires that the student complete in residence at least 60 semester hours of the coursework counted toward the degree. For the Bachelor of Arts, Plan I, the Bachelor of Science in Environmental Science, and the Bachelor of Science in Psychology, these 60 hours must include at least 18 hours in the major. For the Bachelor of Arts, Plan II, 30 of these 60 hours must be taken in the College of Liberal Arts or the College of Natural Sciences.
- The University requires that at least six semester hours of advanced coursework in the major be completed in residence. Additional requirements of the College of Liberal Arts are given later in this chapter with the requirements of the college's four degrees.

### Degree Audit

A student in the College of Liberal Arts is expected to declare a major by the time he or she has completed 60 semester hours of coursework. The student must initiate major declaration in the department housing the major.

An official degree audit compares a student's coursework with degree requirements for a particular degree, major, and catalog. The degree audit normally provides an accurate statement of requirements, but the student is responsible for knowing the requirements for the degree as stated in a catalog under which he or she is entitled to graduate and for registering so as to fulfill these requirements. The student should seek an official ruling in the major department or in the Student Division before registering, if in doubt about any requirement.

Students are strongly encouraged to schedule an official degree check with a Student Division advisor once they are one semester away from graduating.

### Applying for Graduation

In the semester or summer session in which the degree is to be conferred, the candidate must be registered at the University and must file a graduation application form either online or in the Student Division. This must be done by the deadline to apply for an undergraduate degree, which is given in the official academic calendar. No degree will be conferred unless the graduation application form has been filed on time.

## Degrees and Programs

The College of Liberal Arts offers four degree programs: the Bachelor of Arts, Plan I; the Bachelor of Arts, Plan II; the Bachelor of Science in Environmental Science with a major in geographical sciences; and the Bachelor of Science in Psychology. The requirements of the Bachelor of Arts, Plan I are described in [Bachelor of Arts, Plan I](#) (p. 297). The Bachelor of Arts, Plan II, a broad liberal arts honors program for outstanding students, is described in [Bachelor of Arts, Plan II](#) (p. 334).

The Bachelor of Science in Environmental Science, offered by the College of Liberal Arts, the College of Natural Sciences, and the Jackson

School of Geological Sciences, is designed for students interested in an interdisciplinary scientific perspective on environmental issues, analysis, and management. Students pursuing the degree through the College of Liberal Arts major in geographical sciences. The requirements for the degree are given in [Bachelor of Science in Environmental Science](#) (p. 340).

The Bachelor of Science in Psychology is designed to offer students a more extensive scientific program than the Bachelor of Arts with a major in psychology. The requirements for the BSPsy are given in [Bachelor of Science in Psychology](#) (p. 342).

A student may not earn more than one Bachelor of Arts degree from the University. A student may not earn more than one Bachelor of Science in Environmental Science degree from the University. A student may not earn both the Bachelor of Arts with a major in psychology and the Bachelor of Science in Psychology.

The title of a graduate's degree appears on their diploma, but the major does not. Both the degree and the major appear on the graduate's University transcript.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses and Kinesiology 119 may not be counted toward a degree in the College of Liberal Arts. However, they are counted as courses for which the student is enrolled, and the grades are included in the grade point average.

### ROTC Courses

ROTC units are maintained on campus by the Departments of Air Force Science, Military Science, and Naval Science. Information about each program is available from the chair of the department.

Nine semester hours of designated University of Texas at Austin coursework in air force science, military science, or naval science may be counted toward any degree in the College of Liberal Arts, except for students enrolled in the Military Leadership minor. However, cross-listed courses may be used as appropriate to fulfill other degree requirements. A list of approved ROTC courses is available in the College of Liberal Arts, Student Division, Dorothy Gebauer Building 2.200.

### Air Force Reserve Officer Training Corps (AFROTC)

The Air Force Reserve Officer Training Corps (AFROTC) was activated at the University of Texas in September, 1947. The program is designed to commission career-oriented officers who meet specific Air Force requirements. The AFROTC objective is to place on active duty lieutenants who demonstrate dedication to their assignments, willing acceptance of responsibility, critical and creative thinking, and the ability to speak and write effectively.

AFROTC courses are taught by Air Force officers and are approved for college credit toward the cadet's degree program in amounts determined by the college concerned.

AFROTC scholarships are available to selected cadets. Scholarships are awarded on the basis of overall merit, with particular attention paid to academic achievement. Recipients must maintain academic standards in order to retain the scholarships. Other scholarships are also available for upper-division cadets. Additional information is available from the chair of the department.

Extracurricular activities available through AFROTC include; intramural athletics, parades, ceremonies, formal military functions, field trips to Air Force installations, and membership in national military societies.

Air force science courses are designed to prepare selected students for a commission in the United States Air Force through the AFROTC program. Students who do not hold AFROTC scholarships may take lower-division courses with no military obligation. Scholarship students and selected students who elect to take upper-division courses are on contract. Upon graduation and commissioning he/she will enter active duty in the United States Air Force.

## Army Reserve Officers' Training Corps (ROTC)

The Army Reserve Officers' Training Corps (ROTC) was established at the University of Texas in September, 1947. As a senior division unit, it is designed to provide a course of military instruction that will permit qualified students to prepare themselves for commissions as second lieutenants while they pursue other academic courses leading to baccalaureate or advanced degrees from the University.

Upon being commissioned a second lieutenant, each student has the opportunity to serve in the active Army, Army Reserve, or National Guard.

The Army ROTC program, in addition to providing a basic foundation in military subjects, is designed to develop the highest qualities of leadership, character, and citizenship through the wide variety of extracurricular activities it sponsors. Such activities include parades, ceremonies, social events, a Ranger detachment, and intramural athletic teams.

The Army ROTC program is normally a four-year program divided into a basic course and an advanced course. The basic course is conducted during the first two years and the advanced course during the last two years. Certain students may qualify for advanced placement in the program based on previous military training in Junior ROTC, a service academy, active duty in a military service, credit for other college courses, or completion of a special four-week summer camp, normally between the sophomore and junior year.

The Department of the Army has determined that a need exists for all Army ROTC cadets to have a demonstrated proficiency in selected disciplines. These courses are called Professional Military Education (PME) and must be completed prior to graduation. A list of courses that fulfill PME requirements is available from the chair of the Department of Military Science.

Two-, three-, and four-year scholarship programs are offered to selected cadets. The four-year scholarship program is administered by the Department of the Army, but selection is based on the Professor of Military Science Order of Merit List (OML). Applicants must apply while in high school. The remaining programs are administered directly through the Department of Military Science.

Scholarship students receive \$300 to \$500 a month for up to ten months for each year of their scholarship. The scholarship pays for required tuition and mandatory fees, laboratory expenses, and books. Nonscholarship students receive \$450 to \$500 a month during the advanced course. For additional information, contact the scholarship and enrollment officer at [arotc@uts.cc.utexas.edu](mailto:arotc@uts.cc.utexas.edu) or <https://liberalarts.utexas.edu/arotc/>.

## Naval Reserve Officers Training Corps (NROTC)

The Naval Reserve Officers Training Corps (NROTC) was established at the University of Texas in September, 1940, to offer the naval science courses necessary to qualify University students for commissions in the United States Navy or Marine Corps.

Qualified students may apply for the four-year or two-year Navy-Marine Scholarship Program or college program (nonscholarship) and earn a commission in the Navy or Marine Corps.

NROTC scholarship students are appointed midshipmen, United States Naval Reserve, by the Secretary of the Navy, and granted the compensation and benefits authorized by law. While students attend the University, the Navy pays tuition, the cost of textbooks, fees of an instructional nature, and a subsistence allowance of \$250 to \$450 a month during the academic year. During drill periods and summer training periods, midshipmen wear government-furnished uniforms. Students should submit scholarship applications to a naval recruiting station before December 1 of each year or to the Department of Naval Science after the first semester of enrollment in the college program. Additional information is available from the chair of the department.

## Conference Courses and Internship Courses

No more than six semester hours of credit earned in conference courses may be counted toward a single major in the College of Liberal Arts; no more than nine semester hours may be counted toward the degree.

No more than six semester hours of credit earned in internship courses may be counted toward a single major in the College of Liberal Arts; no more than nine semester hours may be counted toward the degree.

In addition, no more than nine semester hours of conference courses and internship courses combined may be counted toward a single major in the College of Liberal Arts; no more than 12 hours of conference courses and internship courses combined may be counted toward the degree.

## Bible Courses

Bible courses may be counted as lower-division electives in College of Liberal Arts degree programs that have room for such electives. No more than 12 semester hours of Bible courses may be counted toward any degree offered by the University.

## Admission Deficiencies

Students admitted to the University with deficiencies in high school units must remove them by the means prescribed in the [General Information Catalog](#). Contact the dean's office for further information.

## Correspondence and Extension Courses

Credit that a University student in residence earns simultaneously by correspondence or extension from the University or elsewhere or in residence at another school will not be counted toward a degree in the College of Liberal Arts unless specifically approved in advance by the dean. In very special circumstances, the dean may allow a student in residence to take one or more courses by extension or correspondence. No more than 30 percent of the semester hours required for any degree offered in the College of Liberal Arts may be taken by correspondence. For additional information about correspondence work by resident students, see the [General Information Catalog](#).

## Courses Taken on the Pass/Fail Basis

No more than 19 semester hours of coursework completed on the pass/fail basis may be counted toward the Bachelor of Arts, Plan II; no more than 16 semester hours of such coursework may be counted toward the other degrees in the college. In general, only electives may be taken on the pass/fail basis. Complete rules on registration on the pass/fail basis are given in the [General Information Catalog](#).

## Courses in a Single Field

No more than 36 semester hours (39 for the Bachelor of Arts, Plan I) may be counted in any one field of study, including the major, unless major

requirements state otherwise. No more than 36 semester hours (39 for the Bachelor of Arts, Plan I) may be counted in any one college or school other than the College of Liberal Arts or the College of Natural Sciences.

## English Courses

Students are discouraged from taking more than six semester hours of coursework in English in a semester or summer term. No student may take more than nine semester hours of coursework in English in a semester.

## French and Italian Courses

In all French civilization and Italian civilization courses, both lectures and readings are in English. In French 301, lectures are in English and readings are in French. All other courses are conducted primarily in the foreign language.

Students with knowledge of either language must take appropriate steps to determine at which level they may begin work at the University. Students with transfer credit for college work done at another institution may start at the next higher level here. All other students with knowledge of either language are required to take the placement test administered by [Student Testing Services](#) for placement in French or the departmentally administered classification test for placement in Italian.

Students are urged to consult departmental advisors about any problem either with placement or with credit by examination.

Students who wish to continue their study of French or Italian may consult departmental advisors about appropriate upper-division courses and prerequisites.

## Germanic Studies Courses

All students with some knowledge of German, however acquired, who enroll for the first time in a University of Texas at Austin German course have two options for placement in the appropriate course level: they can either take the German Language CLEP test and receive credit for their existing knowledge of German (recommended), or they can sign up for a Placement Interview with the Language Program Director, in the case that they do not wish to claim such credit.

German Language CLEP. Test results serve as the basis for awarding credit in one or more of the following courses: German 506, 507, 612. Placement tests, which are administered by Student Testing Services, will be given only at scheduled times immediately prior to registration and during summer orientation sessions. Contact the [Student Testing Services](#) for a schedule of test dates .

Placement Interview: Interviews allow for students who do not wish to claim credit but want to continue their language study to enroll in the appropriate course. The interview consists of a discussion of the student's language proficiency and may include a short conversation as well as a few short writing tasks in German. Please contact the Language Program Director, [GermanicStudies@austin.utexas.edu](mailto:GermanicStudies@austin.utexas.edu), to schedule a placement interview at least one week prior to the beginning of classes. See the [Department of Germanic Studies website](#) for contact information.

## Greek and Latin Courses

No knowledge of Greek or Latin is required for courses in classical civilization or in ancient history and classical civilization. These courses may not be counted toward fulfillment of any foreign language requirement.

Unless otherwise indicated, all Greek courses are ancient Greek (including New Testament Greek). Students beginning ancient Greek

normally follow the regular sequence: Greek 506, Greek 507, Greek 311, and Greek 312K. An intensive sequence is also available: Greek 804 and 412, normally followed by 311.

Students beginning Latin normally follow the regular sequence: Latin 506, 507, 311, 312K or 316. Students may instead follow an accelerated sequence; information about this sequence is available from the undergraduate departmental advisor. Students with high school or transfer credit in Latin usually begin University coursework at a higher level. To ensure proper placement, students should consult the undergraduate advisor for the Department of Classics before registering.

## Middle Eastern Studies Courses

Before enrolling for the first time in any language offered by the Department of Middle Eastern Studies, all students with knowledge of the language, however acquired, must be tested to determine the course for which they should register. Information about the tests is available from the departmental undergraduate advisor. The Department of Middle Eastern Studies considers students educated in a Middle Eastern language beyond the elementary school level to be native speakers of that language.

## Philosophy Courses

There are several courses offered each year in philosophy that should be of interest to undergraduates who have strong interests outside philosophy. In addition to the introductory courses (Philosophy 301, 304, 305, and Philosophy 310) and the basic sequence in the history of philosophy (Philosophy 329K and 329L ), the courses listed below are of particular relevance to students who are interested in the indicated areas.

- Business: Philosophy 312, 322, and 325L
- Communications: Philosophy 311, 312, 313, and 332
- Computer science: Philosophy 313K, 344K, 358, 363, and 363L
- Law: Philosophy 311, 312, 313, 318, 325K, 342, and 347
- Linguistics: Philosophy 313K, 332, 344K, and 358
- Literature: Philosophy 349, 361K, and 366K
- Mathematics: Philosophy 313K, 344K, 344M, and 358
- Natural sciences: Philosophy 322 and 363
- Premedicine and predentistry: Philosophy 312, 318, 322, 325M, and 363
- Social sciences: Philosophy 322, 363, and 363L

## Rhetoric and Writing Courses

The Department of Rhetoric and Writing offers the required core course, Rhetoric and Writing 306, as well as lower-division and upper-division courses in rhetoric and writing, and a number of courses with a writing flag. The department also administers the Undergraduate Writing Center, which supports writing instruction in all undergraduate courses and the Digital Writing and Research Lab, which offers innovative approaches to writing in digital environments.

If a student has received either a passing or a failing grade or the symbol *Q* in Rhetoric and Writing 306, they may not earn credit by examination for the course.

## Slavic and Eurasian Studies Courses

Before enrolling for the first time in any language offered by the Department of Slavic and Eurasian Studies, all students with any knowledge of the language, however acquired, must take a placement test to determine the course for which they should register. Information on placement tests for Polish and Russian is available from the Testing and Evaluation Services, 512-232-2662. Information about testing in



other languages is available from the Department of Slavic and Eurasian Studies office, Calhoun Hall 415, 512-471-3607.

## Spanish and Portuguese Courses

Unless otherwise noted in the catalog or [Course Schedule](#), all upper-division Portuguese courses are conducted in Portuguese, and all upper-division Spanish courses are conducted in Spanish.

## UTeach-Liberal Arts

UTeach-Liberal Arts is a professional teacher preparation program for liberal arts students **pursuing academic majors** in Arabic, Chinese, economics, English, French, history, geography, German, government, Japanese, Latin, **and** Spanish. Students may seek teacher certification for the following areas:

- a. All-Level (early childhood through grade 12):
  - Languages other than English
- b. Secondary (grades 7 through 12):
  - history
  - social studies
  - English language arts and reading

UTeach-Liberal Arts offers a four-semester program for undergraduate students and a three-semester program for postbaccalaureate students. Admission into the program is required. Undergraduate students may enter the program as early as the second semester of their freshman year.

UTeach-Liberal Arts students benefit from an innovative program that emphasizes practical, hands-on field experience in local schools combined with intensive coursework. Students experience a firsthand glimpse into the world of teaching with a gradual increase in coursework requirements and internship hours throughout the length of the program. Key features of the program include cohort support, discipline-specific pedagogical preparation, literacy training, and effective use of instructional technology. More information about UTeach-Liberal Arts and the admission process is available [online](#).

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Professional Development Sequence

All students seeking teacher certification must complete the following courses:

Requirements		Hours
UTL 101	Introduction to the Teaching Profession	1
UTL 202	Introduction to Teaching in the Middle School	2
UTL 640	Teaching in Secondary Schools	6
UTL 360	Problems and Principles of Secondary Education	3
UTL 670	Directed Teaching in Secondary Schools	6
ALD 322	Individual Differences	3
EDP 350G	Adolescent Development	3

For those seeking all-level teacher certification for languages other than English:

### Requirements:

See the corresponding degree plan for the language you wish to teach for other required courses: [Arabic](#) (p. 321), [Chinese](#) (p. 301), [French](#) (p. 309), [German](#) (p. 311), [Japanese](#) (p. 301), [Latin](#) (p. 303), and [Spanish](#) (p. 331).

### For those seeking secondary teacher certification in history:

Requirements		Hours
HIS 301F	The Premodern World	3
HIS 309L	Western Civilization in Modern Times	3
HIS 315K	The United States, 1492-1865	3
HIS 315L	The United States since 1865	3
HIS 320E or HIS 320F	Texas before 1900 Texas, 1900 to the Present	3

### For those seeking secondary teacher certification in social studies:

Requirements		Hours
HIS 301F	The Premodern World	3
HIS 309L	Western Civilization in Modern Times	3
HIS 315K	The United States, 1492-1865	3
HIS 315L	The United States since 1865	3
HIS 320E or HIS 320F	Texas before 1900 Texas, 1900 to the Present	3
GRG 301C	The Natural Environment	3
GRG 305	This Human World: An Introduction to Geography	3
Introduction to Economics Course		
PSY 301	Introduction to Psychology	3

In addition to the above requirements, history majors must take:

Requirements		Hours
Any Upper-Division Government Course		3
Any Upper-Division Government Course		3

### For those seeking secondary teacher certification in English language arts and reading:

Requirements		Hours
EDC 339F	Adolescent Literacy	3
E 360R	Literary Studies for High School Teachers of English	3
E 364T	The English Language and Its Social Context	3
RHE 360M	Rhetoric and Writing for Teachers of English	3
Multicultural Literature in the American Classroom		3
Multicultural Literature in the American Classroom		3

### For rhetoric and writing majors seeking secondary teacher certification in English language arts and reading:

Requirements		Hours
EDC 339F	Adolescent Literacy	3
RHE 309S	Critical Reading and Persuasive Writing	3
RHE 325M	Advanced Writing	3

RHE 360M	Rhetoric and Writing for Teachers of English	3
E 360R	Literary Studies for High School Teachers of English	3
E 364T	The English Language and Its Social Context	3
Multicultural Literature in the American Classroom		3

## Program in Comparative Literature

The program in comparative literature approaches the study of literature from a variety of viewpoints rather than from the viewpoint of a single language or nation. Courses in literary history, practical criticism, and critical theory stress the relationship between literature and other disciplines in the humanities, the arts, and the social sciences. The program offers both the doctoral and the master's degree and sponsors courses on both the graduate and the undergraduate level. All comparative literature courses are conducted in English.

To introduce undergraduates to the field of study, the comparative literature faculty has designed a cluster of courses in critical thinking and world literature. These courses concentrate on writing and thinking critically, with a focus on literary texts drawn from around the world, in the context of an interdisciplinary and international program.

## Bachelor of Arts, Plan I

The requirements for the Bachelor of Arts under Plan I are designed to give each student flexibility in the selection of courses to meet individual needs.

A total of 120 semester hours is required. Thirty-nine hours must be in upper-division courses. At least 60 hours, including 24 hours of upper-division coursework, must be completed in residence at the University. Provided residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the hours required for the degree), or, with the approval of the dean, by work transferred from another institution. Up to 16 semester hours of classroom and/or correspondence coursework may be taken on the pass/fail basis; this coursework may be counted only as electives.

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course
- Ethics: one flagged course
- Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity and global cultures flags from the same course. Students are encouraged to discuss options with a departmental academic advisor.

The specific requirements for the Bachelor of Arts, Plan I, consist of prescribed work, major and minor requirements, and electives. In some cases, a course that fulfills one of these requirements may also be counted toward the core curriculum; these courses are identified below.

Courses in the major and minor may also be used to fulfill prescribed work requirements unless expressly prohibited. A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work area; the only exception to this rule is that a course that fulfills one requirement may also be used to fulfill a flag requirement.

The student must fulfill the University's [General Requirements](#) (p. 20) for graduation and the requirements of the College of Liberal Arts. University graduation requirements include a grade point average of at least 2.00 in all courses taken at the University (including credit by examination, correspondence, and extension) for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded; for the BA, Plan I, the student must also earn a grade point average of at least 2.00 in courses taken at the University and counted toward the major requirements. The student should also refer to the description of his or her major in the section Majors and Minors below, since some majors include higher minimum scholastic requirements.

More information about grades and the grade point average is given in the [General Information Catalog](#).

## Prescribed Work

- Writing and Literature:** English 316L, 316M, or 316N and two courses beyond Rhetoric and Writing 306 or the equivalent that carry a writing flag. One of these courses must be upper-division. Courses that carry a writing flag are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified.

- Foreign language:** Proficiency in a language other than English is required.

The study of a second language contributes in an important way to a broad education for today's students, who live in a world where the overwhelming majority of people do not speak or read English and where much of the knowledge that is disseminated may never appear in English. Knowledge of a second language is important for an appreciation of the culture of the people using that language, and it also helps students to understand the structure and complexities of their own native language. Students with sufficient preparation may be able to use the second language for study in their chosen discipline. An intermediate level of competency as determined by the completion of any one of the following options:

- Certified proficiency on a placement or credit-by-exam test.
- Students with previous experience in the language they plan to use to meet the language requirement must take a language placement test. A student may not select for credit a language course below this placement level without departmental permission.
- A passing grade in a language course listed below:

Requirements		Hours
ASL 311D	American Sign Language III: Intermediate	3
ARA 611C	Intensive Arabic II	6
BEN 312L	Second-Year Bengali II	3
CHI 612	Accelerated Second-Year Chinese	6
CHI 312L	Second-Year Chinese II	3
CZ 611C	Intensive Czech II	6
CZ 412L	Second-Year Czech II	4
DAN 612	Accelerated Second-Year Danish	6
DCH 612	Accelerated Second-Year Dutch	6

FR 611C	Intermediate French	6
FR 412K	Intermediate French I	4
GER 612	Accelerated Second-Year German: Readings in Modern German	6
GK 312K	Intermediate Greek II	3
GK 312L	Intermediate Greek II: Biblical Greek	3
GK 610C	Intermediate Modern Greek	6
GK 310K	Second-Year Modern Greek II	3
HEB 612C	Intensive Biblical Hebrew II	6
HEB 611C	Intensive Hebrew II	6
HIN 312L	Second-Year Hindi II	3
HIN 612	Accelerated Second-Year Hindi	6
ITL 611C	Intermediate Italian	6
JPN 611D	Intermediate Japanese	6
KOR 312L	Second-Year Korean II	3
LAL 611C	Intensive Indigenous Language of Latin America II	6
LAT 511K	Accelerated Intermediate Latin	5
MAL 312L	Second-Year Malayalam II	3
NOR 612	Accelerated Second-Year Norwegian	6
PRS 611C	Intensive Persian II	6
PRS 612C	Intensive Persian for Heritage Speakers	6
POL 611C	Intensive Polish II	6
POL 312L	Second-Year Polish II	3
POR 611D	Second-Year Portuguese	6
RUS 611C	Intensive Russian II	6
RUS 412K	Second-Year Russian I	4
SAN 312L	Second-Year Sanskrit II	3
S C 312L	Second-Year Bosnian/Croatian/Serbian II	3
SAL 312L	Second-Year South Asian Languages II	3
SEL 611C	Intensive Slavic and Eurasian Languages II	6
SEL 312L	Second-Year Slavic and Eurasian Languages II	3
SPN 311	Intermediate Spanish	3
SPN 611D	Second-Year Spanish	6
SPN 311J	Intermediate Spanish for Heritage Learners	3
SWA 611C	Intensive Swahili II	6
SWE 612	Accelerated Second-Year Swedish	6
TAM 312L	Second-Year Tamil II	3
TEL 312L	Second-Year Telugu II	3
TUR 611C	Intensive Turkish II	6
URD 312L	Second-Year Urdu II	3
UKR 312L	Second-Year Ukrainian II	3
YID 612	Accelerated Second-Year Yiddish	6
YOR 611C	Intermediate Yoruba	6

d. Students who wish to meet the requirement with proficiency in a language not listed in the table above should contact the [Texas Language Center](#).

c. *Social science*: three semester credit hours in a social science field, in addition to the course taken to satisfy the Social and Behavioral Science requirement of the Core Curriculum. Courses that are approved to count toward any core curriculum area other than social and behavioral sciences may not be counted toward this requirement.

A list of approved courses is available each semester in the Student Division on the [College of Liberal Arts website](#).

d. *Mathematics*: Three semester hours in mathematics, excluding Mathematics 301, 316K, and 316L. Some courses that fulfill this requirement may also be counted toward the mathematics requirement of the core curriculum.

e. *Cultural expression, human experience, and thought*: Three semester hours chosen from a list of approved courses. The course(s) must be in a field of study taught in the College of Liberal Arts. A course counted toward any requirement of the core curriculum may not also be counted toward this requirement

A list of approved courses is available each semester in the Student Division and on the [College of Liberal Arts website](#).

## Electives

In addition to the core curriculum, prescribed work, and major and minor, the student must complete enough elective coursework to provide the 120 semester hours required for the degree. These 120 hours may include no more than 12 hours of conference courses and internship courses combined as described in [Conference Courses and Internship Courses](#) (p. ); 12 hours of Bible courses; nine hours of designated coursework in air force science, military science, or naval science, except for students enrolled in the Military Leadership minor; 16 hours completed on the pass/fail basis; 39 hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences, unless major requirements state otherwise; and 39 hours in any other single college or school of the University. Mathematics courses at the level of college algebra may not count toward elective hours.

## Majors and Minors

### Major Requirements

The Bachelor of Arts, Plan I, requires the completion of all requirements for one major. The number of semester hours required in the major varies with the field selected. Unless the requirements of the major state otherwise, a major consists of at least 24 but no more than 45 semester hours, with at least 15 hours in upper-division courses. Of these 15 hours, six must be taken in residence. At least 18 hours of coursework in the major, including six hours of upper-division coursework, must be completed in residence at the University.

### Minors

All students pursuing a major under the BA Plan I, with the exception of International Relations and Global Studies majors, must complete a minor. There are three types of minor:

- A minor offered by a department or center
- A Liberal Arts multi-disciplinary minor in the Social and Behavioral Sciences
- A Liberal Arts multi-disciplinary minor in Cultural Expression, Human Experience, and Thought

A student who wishes to pursue more than one transcript-recognized minor per major, or more than one transcript-recognized certificate fulfilling the requirements of the minor per major, must consult with his or her academic advisor to get permission from the College. When considering whether to grant an exception and allow pursuit of another transcript-recognized credential, the academic advisor will take into account the student's long-term education/professional goals and the student's ability to graduate within four years of entering the university.

Before planning to use a course to fulfill the minor requirement, the student should consult the department that offers the course.

At least nine of the hours required for the minor must include coursework not used to satisfy the requirements of the student's major. Courses used to fulfill the requirements for a minor must be taken on the letter-grade basis, and half of the required semester hours must be taken in residence.

## African and African Diaspora Studies

### Major

Twenty-four semester hours of coursework in African and African diaspora studies, including at least 15 hours of upper-division coursework. The following courses are required:

- a. African and African Diaspora Studies 303, *Introduction to Black Studies*
- b. African and African Diaspora Studies 375, *Community Internship*
- c. African and African Diaspora Studies 376, *Senior Seminar*
- d. Three upper-division courses (at least nine semester hours) chosen from one of the following tracks:
  - a. Critical race, gender, and sexuality theories
  - b. Performance, music, art, and literature
  - c. Language, history, and behavioral and social sciences
  - d. Law, education, health, and policy
- e. Six additional semester hours of African and African diaspora studies coursework

A list of courses for each track is available from the undergraduate advisor. Coursework used in requirements 4 and 5 must cover at least two geographical regions of the African diaspora, identified as Africa, the Caribbean, Latin America, and the United States. A list of courses with their geographical affiliation is available in the departmental advising office.

## Suggested Arrangement of Courses, African and African Diaspora Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	AFR 303 (Major) <sup>GC</sup>	3		
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AFR course - Geographical Area One (Major)	3	AFR course - Geographical Area Two (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor course (Major)	3		
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 312L (Core) <sup>070</sup>	3	AFR course - track (Major)	3	Study Abroad (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor course (Major)	3	Internship (Opportunity)	
Cultural Expression, Human Experience, and Thought course (General Education)	3	Free electives (Elective)	9		
Upper-division Minor course (Major)	3				
Free elective (Elective)	3				
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AFR course - track (Major)	3	AFR 375 (Major) <sup>CD, E, II</sup>	3	(None)	
AFR course - track (Major)	3	AFR 376 (Major) <sup>Wr</sup>	3		
Upper-division Minor course (Major)	3	Minor course (Major)	3		
Upper-division course (Elective)	3	Upper-division course (Elective)	3		
Upper-division course (Elective)	3	Upper-division course (Elective)	3		
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# American Studies

## Major

Twenty-seven semester hours of coursework in American studies, including at least 15 hours of upper-division coursework. The following courses are required:

- American Studies 310, *Introduction to American Studies*
- American Studies 311S, *Introductory Seminar in American Studies*
- American Studies 355, *Main Currents of American Culture to 1865* and American Studies 356, *Main Currents of American Culture since 1865*
- Nine semester hours chosen from topics of American Studies 370, *Seminar in American Culture*
- Three additional hours of American studies coursework
- Liberal Arts 320 or three additional hours of American studies coursework.

## Suggested Arrangement of Courses, American Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AMS 310 (Major) <sup>060</sup>	3	AMS 311S (Major)		3 Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	Cultural Expression, Human Experience, and Thought course (General Education)		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>		3	
Mathematics (Core) <sup>020</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Free elective (Elective)		3	
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AMS course (Major)	3	AMS course (Major)		3 Study Abroad (Opportunity)	
Social Science course (General Education)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>		3 Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
Foreign Language (General Education)	6	Foreign Language (General Education)		6	
15		15		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AMS 355 (Major) <sup>060</sup>	3	AMS 370 (Major)		3 Study Abroad (Opportunity)	
Free elective (Elective)	3	AMS 356 (Major)		3 Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	Free elective (Elective)		3	
Foreign Language (General Education)	6	Minor course (Major)		3	
15		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AMS 370 (Major)	3	AMS 370 (Major)		3 (None)	
Minor course (Major)	3	Minor course (Major)		3	
Minor course (Major)	3	Minor course (Major)		3	

AMS 679HA (Major)	3	AMS 679HB (Major)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
15		15		0	
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Anthropology

### Major

Thirty-three semester hours of anthropology, including at least 18 hours of upper-division coursework, consisting of

- Anthropology 301, 302, 304, and 307
- At least three semester hours of upper-division coursework in each of the following areas
  - Theory: Anthropology 330C or an approved alternate course
  - Methods: Anthropology 453, 662, 462M, or an approved alternate course
  - Culture/geographic area
- Twelve additional hours, including at least nine hours of upper-division coursework

A list of the courses in each area of requirement 2 is available from the anthropology advisor.

## Suggested Arrangement of Courses, Anthropology (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)		6 Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	ANT 302 (Core, Major) <sup>080</sup>		3	
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>		3	
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Free elective (Elective)	3	Minor course (Major)		3 Study Abroad (Opportunity)	

E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3 Natural Science and Technology, Part I (Core) <sup>030</sup>	3 Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3 GOV 310L (Core) <sup>070</sup>	3	
U.S. History (Core) <sup>060</sup>	3 ANT 307 (Major) <sup>CD</sup>	3	
Visual and Performing Arts (Core) <sup>050</sup>	3 Minor course (Major)	3	
	<b>15</b>	<b>15</b>	<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ANT theory course (Major)	3	ANT methods course (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	ANT culture/geographic area course (Major)	3	Internship (Opportunity)	3
ANT 301 (Core, Major) <sup>093</sup>	3	ANT 304 (Major) <sup>GC</sup>	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	Upper-division Minor course (Major)	3		
Upper-division Minor course (Major)	3	Free elective (Elective)	3		
	<b>15</b>	<b>15</b>			<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ANT courses (Major)	6	Upper-division ANT course (Major)	3	(None)	3
Upper-division Minor course (Major)	3	ANT course (Major)	3		
Free elective (Elective)	3	Upper-division courses (Elective)	6		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>	<b>15</b>			<b>0</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Asian American Studies

The Asian American studies concentration of the ethnic studies program is administered by the Center for Asian American Studies. The director and executive committee of this center advises students, prescribes groups of courses that fulfill content requirements, and authorizes course substitutions when appropriate. Students majoring in ethnic

studies must meet the requirements as outlined in [Ethnic Studies](#) (p. 307).

## Asian Cultures and Languages

The Bachelor of Arts with a major in Asian cultures and languages is offered with specialization in Chinese, Japanese, Korean, Hindi/Urdu, Bengali, Malayalam, Sanskrit, or Tamil.

### Major

Twenty-four semester hours, including 21 hours of upper-division coursework, in the language and culture of one of the following areas of specialization. A list of approved Asian studies courses related to the areas of specialization is available in the Department of Asian Studies. No more than three hours of internship coursework may be counted toward the major. NOTE: Twenty-four semester hours, including 18 hours of upper-division coursework, are required for the specialization in Japanese.

- a. *Chinese*
  - a. Chinese 322 or 341
  - b. Three semester hours chosen from Chinese 320L and 340
  - c. Six additional semester hours of upper-division coursework in Chinese
  - d. Twelve additional semester hours in Asian studies courses related to China, at least six hours of which must be upper-division
- b. *Japanese*
  - i. Japanese 317C
  - ii. Japanese 320K and 320L
  - iii. Japanese 330
  - iv. Three additional semester credit hours of upper-division coursework in Japanese
  - v. Nine additional semester credit hours in Asian studies courses related to Japan, at least six hours of which must be upper-division
- c. *Korean*
  - a. Asian Studies 302D
  - b. Twelve semester hours of upper-division coursework in Korean
  - c. Nine additional upper-division semester hours in Asian studies courses related to Korea
- d. *Hindi/Urdu*
  - a. Twelve semester hours of upper-division coursework in Hindi and/or Urdu
  - b. Twelve additional semester hours in Asian studies courses related to South Asia, at least six hours of which must be upper-division. Three semester hours of upper-division coursework in Hindi, Urdu, or Sanskrit may be counted toward this requirement.
- e. *Bengali*
  - i. Nine semester hours of upper-division coursework in Bengali
  - ii. Fifteen additional semester hours in Asian studies courses related to South Asia, six hours of which must be upper-division. Three semester hours of upper-division coursework in Tamil, Sanskrit, Bengali, or Malayalam may be counted toward this requirement.
- f. *Malayalam*
  - i. Nine semester hours of upper-division coursework in Malayalam
  - ii. Fifteen additional semester hours in Asian studies courses related to South Asia, at least six hours of which must be upper-division. Three semester hours of upper-division coursework in

Malayalam, Sanskrit, Bengali, or Tamil may be counted toward this requirement.

g. *Sanskrit*

- a. Nine semester hours of upper-division coursework in Sanskrit
- b. Fifteen additional semester hours in Asian studies courses related to South Asia, six hours of which must be upper-division. Three semester hours of upper-division coursework in Sanskrit, Hindi, or Urdu may be counted toward this requirement.

h. *Tamil*

- a. Nine semester hours of upper-division coursework in Tamil
- b. Fifteen additional semester hours in Asian studies courses related to South Asia, six hours of which must be upper-division. Three semester hours of upper-division coursework in Tamil, Sanskrit, Bengali, or Malayalam may be counted toward this requirement.

**Fourth Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ANS or JPN course (Major)	3	Upper-division ANS or JPN course (Major)	3	(None)	0
Upper-division JPN course (Major)	3	JPN 330 (Major)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Free electives (Elective)	6	Free electives (Elective)	6		
<b>15</b>		<b>15</b>		<b>0</b>	

**Total credit hours: 120**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Asian Cultures and Languages (BA)

### Asian Cultures and Languages, Japanese (BA)

**First Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
JPN 601D (General Education)	6	JPN 610D (General Education)	6	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	Cultural Expression, Human Experience, and Thought course (General Education)	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3		
UGS 302 or 303 (Core) <sup>090</sup> , Wr	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	

**Second Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
JPN 611D (General Education)	6	JPN 317C (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
GOV 310L (Core) <sup>070</sup>	3	Minor/Certificate course (Major)	3		
		U.S. History (Core) <sup>060</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
JPN 320K (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	
ANS or JPN course (Major)	3	JPN 320L (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Social Science course (General Education)	3		
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

## Asian Studies

### Major

Twenty-four semester hours of Asian studies coursework, at least 18 of which must be upper-division, in one of the two areas of specialization listed below. Students specializing in East Asia must choose either the general track or the Taiwan track. No more than six hours of internship coursework may be counted toward the major. Courses counted toward the foreign language requirement may not also be counted toward the requirements of the areas of specialization is available in the Department of Asian Studies.

a. *East Asia*

a. General track

1. At least three semester hours of coursework in East Asian history
2. A three-hour Asian studies course related to South Asia
3. Asian Studies 379
4. Fifteen additional semester hours in Asian studies courses related to East Asia, preferably in more than one East Asian cultural area. Six semester hours of upper-division coursework in Chinese, Japanese, or Korean language may be counted toward this requirement.
5. Two years of Chinese, Japanese, or Korean to fulfill the foreign language requirement

b. *Taiwan track*

1. At least three semester hours of coursework in Taiwanese history
2. A three-hour Asian studies course related to South Asia

3. Asian Studies 379
4. Fifteen additional semester hours in Asian studies courses related to East Asia, including at least six hours related to Taiwan, three hours related to China, three hours related to Japan, and three hours in upper-division Asian studies courses related to East Asia or in upper-division Chinese language courses
5. Two years of Chinese language to fulfill the foreign language requirement, focusing in these courses on the traditional characters used in Taiwan

b. *South Asia*

- a. At least three semester hours of coursework in South Asian history
- b. A three-hour Asian studies course related to East Asia
- c. Asian Studies 379
- d. Fifteen additional semester hours in Asian studies courses related to South Asia. Six semester hours of upper-division coursework in Bengali, Hindi, Malayalam, Pashto, Sanskrit, Tamil, Telugu, or Urdu language may be counted toward this requirement.
- e. Two years of Bengali, Hindi, Malayalam, Pashto, Sanskrit, Tamil, Telugu, or Urdu to fulfill the foreign language requirement

U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Upper-division ANS/ East Asia course (Major)	3	Upper-division ANS/ East Asia course (Major)	3	(None)	
ANS 379 (Major) <sup>Wr</sup>		Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Free electives (Elective)	9		
Free elective (Elective)	3				
Free elective (Elective)	3				
	<b>15</b>		<b>15</b>		<b>0</b>
<b>Total credit hours: 120</b>					

## Suggested Arrangement of Courses, Asian Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language CHI/KOR/JPN (General Education)	6	Foreign Language CHI/KOR/JPN (General Education)	6	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	ANS 302C (Major)	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language CHI/KOR/JPN (General Education)	6	Lower-division ANS/ East Asia course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
GOV 310L (Core) <sup>070</sup>	3	Minor/Certificate course (Major)	3		
		U.S. History (Core) <sup>060</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ANS/ South Asia course (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	
Upper-division ANS/ East Asia course (Major)	3	Upper-division ANS/ East Asia course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division ANS/ East Asia Course (Major)	3		

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Classical Languages

### Major

Twenty-four semester hours in the languages and cultures of one of the following areas of specialization: Classics, Greek, or Latin.

#### 1. Classics

- a. Six hours of upper-division Greek
- b. Six hours of upper-division Latin
- c. Classical Civilization 375, Greek 365, or Latin 365
- d. Nine additional hours of Greek, Latin, classical civilization, and Ancient History and Classical Civilization 325 or 378, including at least three upper-division hours

#### 2. Greek

- a. Twelve hours of upper-division Greek, including Greek 365
- b. Twelve hours of Latin, classical civilization, and Ancient History and Classical Civilization 325 or 378, including at least nine in upper-division coursework

#### 3. Latin



- a. Fifteen hours of upper-division Latin, including Latin 365
- b. Nine hours of Greek, classical civilization, and Ancient History and Classical Civilization 325 or 378, including at least six in upper-division coursework

Free elective (Elective)	3 GOV 312L (Core) <sup>070</sup>	3
	15	15
<b>Total credit hours: 121</b>		

## Suggested Arrangement of Courses, Classical Languages (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GK 506 (Major)		5 GK 507 (Major)		5 Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050, GC</sup>		3 Mathematics (Core) <sup>020</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 U.S. History (Core) <sup>060, CD</sup>		3	
	14		14		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GK 311 (Major)		3 GK 312K (Major)		3 Study Abroad (Opportunity)	
LAT 506 (Major)		5 LAT 507 (Major)		5 Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Social Science (General Education)		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
Cultural Expression, Human Experience, and Thought course (General Education)		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	
	17		17		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GK 324 (Major)		3 LAT 322 (Major)		3 Study Abroad (Opportunity)	
LAT 511K (Major)		5 Upper-division GK course (Major)		3 Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>		3 Upper-division Minor/Certificate course (Major)		3	
Minor/Certificate course (Major)		3 GOV 310L (Core) <sup>070</sup>		3	
		Free elective (Elective)		3	
	14		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division LAT course (Major)		3 GK 365, LAT 365, or C 375 (Major) <sup>Wr, II</sup>		3 (None)	
AHC 325 or 378 (Major)		3 Upper-division Minor/Certificate course (Major)		3	
Upper-division Minor/Certificate course (Major)		3 Upper-division course (Elective)		3	
Upper-division Minor/Certificate course (Major)		3 Upper-division course (Elective)		3	

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Classical Studies

### Major

Thirty-six semester hours of coursework, at least 21 of which must be upper-division, in one of the two areas of specialization, ancient history or classical archaeology, listed below. Coursework counted toward the foreign language requirement may not also be counted toward the major.

- a. *Ancient History*
  - a. Six hours of premodern history, chosen from topics of Ancient History and Classical Civilization 310 and 330.
  - b. Nine hours of upper-division Greek and/or Roman history, chosen from topics of Ancient History and Classical Civilization 325.
  - c. Twelve hours of classical civilization, Greek, Latin, or topics of Ancient History and Classical Civilization 325 and 378.
  - d. Six hours of upper-division coursework in Greek and/or Latin.
  - e. Ancient History and Classical Civilization 378.
- b. *Classical Archaeology*
  - a. Nine hours of coursework in classical archaeology chosen from Classical Civilization 307C, 307D; 317 and 340.
  - b. Three hours of approved coursework in archaeological techniques and analysis, chosen from Anthropology 453, 462M, Geography 460G 462K, or courses on approved list.
  - c. Three hours of upper-division coursework in Greek or Roman history, chosen from topics of Ancient History and Classical Civilization 325 and 378.
  - d. Three hours of approved upper-division coursework in ancient art history, chosen from Art History 325, 327N, 327R, and 362, or courses from an approved list.
  - e. Six hours of upper-division coursework in either Greek or Latin.
  - f. Twelve additional hours of coursework chosen from Anthropology 304, 304T, approved topics of Middle Eastern Studies 342, Religious Studies 354D, Greek, Latin, and the areas listed in requirements (2a) through (2e).
  - g. Fieldwork experience approved by the classical studies faculty advisor.

# Suggested Arrangement of Courses, Classical Studies (BA)

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
LAT 506 or GK 506 (Major)		5 LAT 507 or GK 507 (Major)		5 Study Abroad (Opportunity)	
C C 307D or 307C (Core, Major) <sup>050, GC</sup>		3 Mathematics (Core) <sup>020, QR</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 U.S. History (Core) <sup>060, CD</sup>		3	
GOV 310L (Core) <sup>070</sup>		3 Social Science course (General Education)		3	
		17		17 0	

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
LAT 511K or GK 311 (Major)		3-5 LAT 322 or GK 312K (Major)		3 Study Abroad (Opportunity)	
ANT 304 (Core, Major) <sup>030</sup>		3 U.S. History (Core) <sup>060</sup>		3 Internship (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 C C 317 (Major)		3	
GOV 312L (Core) <sup>070</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
Free elective (Elective)		3 Minor/Certificate course (Major)		3	
		15-17		15 0	

## Economics

All economics majors must earn a grade of at least C- in Mathematics 408Q or grades of at least C- in Mathematics 408K and 408L. The following combinations of courses alternatively satisfy the math requirement, with a grade of at least a C- in each course: Mathematics 408C and 408D, Mathematics 408N and 408S, Mathematics 408K and 408S, Mathematics 408C and 408L, Mathematics 408C and 408S, or Mathematics 408R and 408L, or Mathematics 408R and 408S, or Mathematics 408N and 408L. Mathematics 403K and 403L (and transfer equivalents) may not be substituted for required mathematics courses. Mathematics 408Q and Mathematics 408R must be taken in residence at The University of Texas at Austin. A student may not earn both the Bachelor of Arts with a major in Economics and the Bachelor of Science in Economics.

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
LAT 323 or GK 324 (Major)		3 AHC 325 or 378 (Major)		3 Fieldwork experience (Opportunity)	
C C 340 (Major)		3 Upper-division AHC, C C, GK, or LAT course (Major)		3	
Natural Science and Technology, Part II (Core) <sup>093</sup>		3 Upper-division Techniques & Analysis course (Major)		3	
Minor/Certificate course (Major)		3 Minor/Certificate course (Major)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
		15		15 0	

## Major

At least 32 semester hours of economics, consisting of Economics 304K, 304L, 420K or 420S, 320L, 329, 341K or 441K, 101S, and 12 additional hours of upper-division coursework. At least six of the additional semester hours of upper-division coursework must be in courses for which a grade of at least C- in Economics 420K or Economics 420S is a prerequisite. Economics 420K, 320L, 329, and 341K or 441K must be completed in residence. Economics majors must take Economics 420K or 420S at least two semesters prior to completion of the degree. All economics majors must earn a grade of at least C- in each course counted toward fulfillment of the major requirements, except Economics 329, in which a grade of at least C is required. Economics 329 with a grade of at least C is a prerequisite for Economics 420K and Economics 420S. A minimum grade point average of at least 2.00 in all courses taken at the University and counted toward the major is also required.

No student may register for more than 11 semester hours of economics in any one semester without approval of an undergraduate advisor in the Department of Economics.

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Ancient Art History course (Major)		3 AHC 378 (Major) <sup>Wr, II</sup>		3 (None)	
Upper-division AHC, C C, GK, or LAT course (Major)		3 Upper-division AHC, C C, GK, or LAT course (Major)		3	
Upper-division AHC, C C, GK, or LAT course (Major)		3 Upper-division Minor/Certificate course (Major)		3	
Upper-division Minor/Certificate course (Major)		3 Free elective (Elective)		3	
Free elective (Elective)		3			
		15		12 0	

## Suggested Arrangement of Courses, Economics (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECO 304K (Core, Major) <sup>080, QR</sup>		3 ECO 304L (Core, General Education) <sup>080</sup>		3 Study Abroad (Opportunity)	

Total credit hours: 121-123

M 408K, 408N, or 408C (Core, Major) <sup>020</sup>	4 M 408L, 408S, or 408D (Major, General Education)	4 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3 Natural Science and Technology, Part I (Core) <sup>020</sup>	3	
Visual and Performing Arts (Core) <sup>050</sup>	3 U.S. History (Core) <sup>060</sup>	3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	
	<b>16</b>	<b>16</b>	<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECO 329 (Major) <sup>QR</sup>	3	ECO 420K (Major)		4 Study Abroad (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	Foreign Language (General Education)		6	
Foreign Language (General Education)	6	ECO 101S (Major)		1	
	<b>15</b>		<b>14</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECO 441K (Major) <sup>Wr, II</sup>	4	ECO 320L (Major)		3 Study Abroad (Opportunity)	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)		3 Internship (Opportunity)	
Cultural Expression, Human Experience, and Thought (General Education)	3	Minor/Certificate course (Major)		3	
Foreign Language (General Education)	6	Free electives (Elective)		6	
	<b>16</b>		<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ECO course (Major)	3	Upper-division ECO course with ECO 420K prerequisite (Major)		3 (None)	
Upper-division ECO course (Major)	3	Upper-division Minor/Certificate course (Major)		3	
Upper-division ECO course with ECO 420K prerequisite (Major)	3	Upper-division Minor/Certificate course (Major)		3	
Upper-division Minor/Certificate course (Major)	3	GOV 312L (Core) <sup>070</sup>		3	
GOV 310L (Core) <sup>070</sup>	3	Free elective (Elective)		3	
	<b>15</b>		<b>15</b>		<b>0</b>

**Total credit hours: 122**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## English

### Major

Thirty-three semester hours of English, including at least 21 semester hours of upper-division coursework consisting of the following:

- An introductory literary skills course, chosen from English 314J, 314L, 314T, or 314V
- An introductory literary survey course, chosen from English 316L, 316M, 316N, or 316P
- A diverse perspectives course
- A course in literature or language from 1940 to the present
- An upper-division course in literature or language from 1830 to 1940
- An upper-division course in literature or language from 1630 to 1830
- An upper-division course in literature or language prior to 1630
- An upper-division single- or dual-author course
- Nine additional semester hours of upper-division coursework in English

A list of courses that may be used to fulfill requirements is available in the English Advising Office, Parlin Hall 114, and on the [Department of English website](#).

The student must make a grade of at least C- in each course counted toward fulfillment of the major requirements. A minimum grade point average of 2.00 in courses taken at the University and counted toward the major is also required.

Students are discouraged from taking more than six semester hours of coursework in English in a semester. No student may take more than nine hours of coursework in English in a semester.

## Suggested Arrangement of Courses, English (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)		6 Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>		3	
U.S. History (Core) <sup>060</sup>	3	E 314J, 314L, 314T, or 314V (Major)		3	
	<b>15</b>		<b>15</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Diverse Perspectives E course (Major)	3	Minor/Certificate course (Major)		3 Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core, Major) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>		3	

U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3
	<b>15</b>		<b>15</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
1940-Present E course (Major)	3	1830-1940 E course (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	1630-1830 E course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division E course (Major)	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	Upper-division Minor/Certificate course (Major)	3		
Upper-division Minor/Certificate course (Major)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Pre-1630 E course (Major)	3	Upper-division E course (Major)	3	(None)	3
Single or Dual Author E course (Major)	3	Upper-division E course (Major)	3		
Free elective (Elective)	3	Upper-division elective (Elective)	3		
Upper-division Minor/Certificate course (Major)	3	Upper-division elective (Elective)	6		
Minor/Certificate course (Major)	3				
	<b>15</b>		<b>15</b>		<b>0</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Ethnic Studies

The ethnic studies program is administered by the Center for Asian American Studies. The director and executive committee of this center advises students, prescribes groups of courses that fulfill content requirements, and authorizes course substitutions when appropriate. Students majoring in ethnic studies must meet the requirements of the concentration as outlined below.

## Ethnic Studies, Asian American Studies concentration

### Major

- Asian American Studies 301 or 312.
- Three semester credit hours, chosen from one of the following:
  - Asian American Studies 310
  - Asian American Studies 314
- Fifteen semester hours, of upper-division coursework in Asian American Studies, divided between at least two of the following tracks (Courses in each track are available at the [Center for Asian American Studies](#)):
  - Culture, Literature, and Media Studies
  - Economics, History, and Government
  - Social Sciences
  - Public Policy
- Asian American Studies 377

## Suggested Arrangement of Courses, Ethnic Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	6
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
AAS 301 or 312 (Major)	3	U.S. History (Core) <sup>060</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AAS 310 or 314 (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division AAS track one course (Major)	3	Upper-division AAS track one course (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	Upper-division AAS track two course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		
Cultural Expression, Human Experience, and Thought (General Education)	3	Free elective (Elective)	3		

Upper-division Minor/ Certificate course (Major)	3 Free elective (Elective)	3			
	15	15			0
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Upper-division AAS track two course (Major)	3	AAS 377 (Major)		3 (None)	
Upper-division AAS track two course (Major)	3	Free electives (Elective)		6	
Upper-division Minor/ Certificate course (Major)	3	Upper-division electives (Elective)		6	
Free elective (Elective)	3				
Free elective (Elective)	3				
	15	15			0
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## European Studies

Students select one of three tracks: (I) European studies with a focus on pre-1700 Europe, (II) European studies with a focus on post-1700 Europe, or (III) European studies with a focus on European thought. The tracks are interdisciplinary in nature and draw on courses in many departments and allow students considerable opportunity to shape their coursework around their interests.

Students majoring in European studies must complete six semester hours of upper-division coursework in one of the following languages: Czech, Danish, Dutch, French, German, modern Greek, Italian, Norwegian, Polish, Portuguese, Serbian/Croatian, Spanish, or Swedish. With permission from the director of the Center for European Studies, however, students may study other languages for their major—such as Arabic, Persian, Hindi, Hebrew, Turkish, Russian, Latin, or ancient Greek—when an application of those language skills will significantly enhance their work as distinctly European studies scholars in their track. Courses taught in English may not be used. Courses used to fulfill the European studies language requirement will be counted toward the major.

### Major

Thirty semester hours of coursework in European studies, at least 24 of which must be upper-division, consisting of the following. No more

than nine hours of coursework counted toward the major may focus on a single country or culture.

- a. European Studies 305, *Introduction to European Studies*
- b. European Studies 350, *Governments and Politics of Western Europe* or Government 351D, *The Theoretical Foundations of Modern Politics*
- c. Completion of one of the following tracks:
  - A. Track I: European studies with a focus on pre-1700 Europe
    - i. Three hours in each of the following two areas:
      - a. European Studies 306, *Introductory Topics in European Anthropology, Geography, History, and Sociology*; or European Studies 346, *Topics in European Anthropology, Geography, History, and Sociology*, chosen from an approved list
      - b. European Studies 307, *Introductory Topics in European Culture, Literature, Art, Music, and Media*; or European Studies 347, *Topics in European Culture, Literature, Art, Music, and Media*, chosen from an approved list
    - ii. Nine additional hours of European studies coursework chosen from an approved list on the Center's website, only three hours of which may be lower-division
  - B. Track II: European studies with a focus on post-1700 Europe
    - i. Three hours in each of the following three areas:
      - a. European Studies 306, *Introductory Topics in European Anthropology, Geography, History, and Sociology*; or European Studies 346, *Topics in European Anthropology, Geography, History, and Sociology*, chosen from an approved list
      - b. European Studies 307, *Introductory Topics in European Culture, Literature, Art, Music, and Media*; or European Studies 347, *Topics in European Culture, Literature, Art, Music, and Media*, chosen from an approved list
      - c. European Studies 308, *Introductory Topics in European Economics, Government, Business, and Policy*; or European Studies 348, *Topics in European Economics, Government, Business, and Policy*
    - ii. Six additional hours of European studies coursework chosen from an approved list on the Center's website, only three hours of which may be lower-division
  - C. Track III: European studies with a focus on European thought
    1. Three hours in each of the following three areas:
      - a. European intellectual history or philosophy, chosen from History 309K or 309L, Philosophy 349, or an approved list.
      - b. Religion, chosen from Core Texts and Ideas 304, History 343, Religious Studies 304, 318, or from an approved list.
      - c. History of science, mathematics, technology, or medicine chosen from History 322D, 322G, 322M, or from an approved list.
    2. Six hours of additional coursework in European thought, chosen from an approved list on the Center's website, only three hours of which may be lower-division.
- d. European Studies 375, *Capstone Research in European Studies*, in which the student prepares a thesis
- e. Participation in an approved study abroad program or in an approved internship in Europe selected from a list available from the European studies faculty advisor

# Suggested Arrangement of Courses, European Studies (BA)

## European Studies, European studies with a focus on pre-1700 Europe track with College Honors

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign language course (General Education)	6	Foreign language (General Education)		6 Study Abroad (Opportunity)	
EUS 305 (Major) <sup>GC</sup>	3	Visual and Performing Arts course (Core) <sup>050</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Mathematics course (Core) <sup>020</sup>	3		
UGS 302 or 303 (Core) <sup>090</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
EUS 306 or 346 (Major)	3	EUS 307 or 347 (Major)		3 Study Abroad (Opportunity)	
Foreign language (General Education)	6	Upper-division Foreign language (Major)		3 Internship (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060, CD</sup>	3		
		E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
	15		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Foreign language (Major)	3	Upper-division EUS course (Major)		3 European Study Abroad/Internship (Major)	
Upper-division EUS course (Major)	6	EUS 350 (Major)	3		
LAH 350 (Major)	6	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
		Minor/Certificate course (Major)	3		
		Free elective (Elective)	3		
	15		15		0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Minor/Certificate course (Major)	6	EUS 375 <sup>II</sup>		3 (None)	
Natural Science and Technology, Part II course (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		
Liberal Arts Social Science course (General Education)	3	Social and Behavioral Sciences course (Core) <sup>080</sup>	3		
LAH 350	3	U.S. History (Core) <sup>060</sup>	3		
		Free elective (Elective)	3		
	15		15		0
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## French Studies

### Major

Twenty-four semester hours of upper-division French, including

- French 320E, 322E
- Six hours of French courses chosen from French 325C, *Crisis and Conflict*; French 325D, *Self and Society*; and French 325E, *Representing Difference*. No more than six hours chosen from item 2 may be counted for the major. No more than three hours from item 2 may be counted for the major for students with credit for either French 326K, *Introduction to French Literature I: From the Middle Ages through the Eighteenth Century*; or French 326L, *Introduction to French Literature II: From the French Revolution to the Present*. Students with credit for French 326K and 326L may not count the courses in item 2 toward the major.
- Six hours of French courses numbered 350 or above
- Six hours of additional French upper-division. Up to three hours of French Civilization may be counted for three hours of additional French upper-division. Up to three hours of Liberal Arts 320 may be counted for three hours of additional French upper-division.

Only one may be counted for the Major: Liberal Arts 321F, three hours of French Civilization, French 349P, French 358Q.

## Suggested Arrangement of Courses, French Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
FR 601C (General Education)	6	FR 611C (General Education)		6 Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020, QR</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
FR 317C (Major)	3	FR 320E (Major) <sup>Wr</sup>		3 Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	3 Internship (Opportunity)	

Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
FR 322E (Major)	3	FR 325C, 325D, or 325E (Major) <sup>GC</sup>	3	Study Abroad (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Upper-division FR or F C course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
FR 325C, 325D, or 325E (Major) <sup>GC</sup>	3	Upper-division FR course (Major)	3	(None)	
Upper-division FR course, any number in the 350-379 range (Major)	3	Upper-division FR course, any number in the 350-379 range (Major)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	9		
Free elective (Elective)	3				
Free elective (Elective)	3				
<b>15</b>		<b>15</b>		<b>0</b>	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Geography

### Major

Thirty semester hours of geography, at least 18 of which must be upper-division, including

- a. An 18 hour core requirement consisting of:
  - a. Geography 301C and one other course in physical geography
  - b. Geography 305 and one other course in human geography
  - c. Two geography courses in methods/techniques
- b. At least nine semester hours in one of the following tracks:
  - a. Geographic information science
  - b. Cultural geography
  - c. Sustainability
  - d. General geography (designed for students who do not wish to specialize at the undergraduate level)
  - e. Urban geography
  - f. Earth science
  - g. Landscape ecology and biogeography

Courses used to fulfill the core geography requirement may not be counted toward the completion of a track. Lists of courses that fulfill the core geography requirement and of courses in each track are available in the Department of Geography and the Environment.

## Suggested Arrangement of Courses, Geography (BA)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
GRG 305 (Core, Major) <sup>080, GC</sup>	3	GRG 401C (Core, Major) <sup>030</sup>	3	Study Abroad (Opportunity)	4
Visual and Performing Arts (Core) <sup>050</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	3
GOV 310L (Core) <sup>070</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	U.S. History (Core) <sup>060</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Social Science course (General Education)	3		
<b>15</b>		<b>16</b>		<b>0</b>	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Methods & Techniques course (Major)	3	Physical GRG course (Major)	3	Study Abroad (Opportunity)	3
GRG course (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
U.S. History (Core) <sup>060</sup>	3	GRG Track course (Major)	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
<b>15</b>		<b>15</b>		<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
GRG Track course (Major)	3	GRG Track course (Major)	3	Study Abroad (Opportunity)	3
Methods & Techniques course (Major)	3	Human GRG course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		
Free elective (Elective)	6	Minor/Certificate course (Major)	3		
		Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Minor/Certificate course (Major)	3	Free electives (Elective)	15	(None)	
Minor/Certificate course (Major)	3				
Minor/Certificate course (Major)	3				
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3				
GOV 312L (Core) <sup>070</sup>	3				
	<b>15</b>		<b>15</b>		<b>0</b>

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## German

### Major

Twenty-four semester hours of upper-division coursework in German, consisting of:

- German 322D
- Three semester hours: German 322E
- Nine semester hours from German 342K, 343K, 344K, 347L, or 348D
- Six semester hours from German 363K, 369, 373, or 379
- Three semester hours of any upper-division German or German, Scandinavian, and Dutch studies course.

Eighteen of the 24 semester hours must be taken in residence. German 149T, 249T, and 349T may not be counted toward a major in German.

## Suggested Arrangement of Courses, German (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GER 506 (General Education)	5	GER 507 (General Education)	5	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020, QR</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		

Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3		
		Minor/Certificate course (Major)	3		
	<b>14</b>		<b>17</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GER 612 (General Education)	6	GER 322D (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3		
		Minor/Certificate course (Major)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 312L (Core) <sup>070</sup>	3	GER 342K, 343K, 344K, or 347L (Major)	3	Study Abroad (Opportunity)	
GER 322E (Major)	3	GER 342K, 343K, 344K, or 348D (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		
Cultural Expression, Human Experience, and Thought (General Education)	3	Free elective (Elective)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GER 342K, 343K, 344K, 347L, or 348D (Major)	3	GER 342K, 343K, 344K, 347L, or 348D (Major)	3	(None)	
GER 363K, 369, or 373 (Major)	3	GER 363K, 369, or 373 (Major)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II



Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Government

### Major

Thirty semester hours of government, at least 18 of which must be upper-division.

Students must take at least one upper-division course from three of the seven fields into which the department's work is divided:

- political theory
- American government and politics
- public and comparative law
- public policy
- comparative politics
- international relations
- research methods

Government majors must also take at least one three hour research seminar or internship course in government.

All Government courses that satisfy the Independent Inquiry Flag count as government research seminars.

Government internship courses include Government 362L, *Government Research Internship*; Government 662L, *Government Research Internship*; Government 371N, *Administrative Internship*; Government 372N, *Campaigns and Elections Internship*; Government 373N, *Legislative Internship*; and Government 374N, *Political Internship*.

Government majors must also complete at least three semester hours in a tools course, chosen from Government 339L, *Research Methods in Government*; and Government 350K, *Statistical Analysis in Political Science*; Government 355M, *Topics in Political Science*, and Government 355N, *World War I in Real Time*.

Students may choose to satisfy the tools course requirement by completing one of the following non-government course options; these courses may not be counted toward the semester hours and grade point average required for the major.

- Three semester hours of statistics chosen from Economics 329; Educational Psychology 371; Psychology 317L; Sociology 327M; Statistics 309; Statistics and Data Sciences 301, African and African Diaspora Studies 302M.
- Six semester hours of upper-division coursework in one foreign language, excluding courses conducted in English

The tools requirement must be fulfilled in-residence or with transfer credit; AP credit cannot be used to fulfill it.

All government majors must earn a grade of at least C- in each course counted toward fulfillment of the major requirements. A minimum grade point average of 2.00 in courses taken at the University and counted toward the major is also required.

No more than six hours of internship coursework may be counted toward the major, including transfer credit earned in internship courses at other institutions of higher education.

No student may register for more than nine semester hours of government in one semester without the consent of an undergraduate advisor in the Department of Government.

## Suggested Arrangement of Courses, Government (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
			15	15	0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	GOV course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Minor course (Major)	3		
U.S. History (Core) <sup>060</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Social Science course (General Education)	3		
			15	15	0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV field one course (Major)	3	GOV field three course (Major)	3	Study Abroad (Opportunity)	
GOV field two course (Major)	3	GOV tools course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division GOV course (Major)	3		
Cultural Expression, Human Experience, and Thought (General Education)	3	Free elective (Elective)	3		
Minor course (Major)	3	Upper-division Minor course (Major)	3		
			15	15	0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division GOV course (Major)	3	GOV 362L, 662L, 371N, 372N, 373N, or 374N (Major)	3	(None)	
GOV course (Major)	3	Upper-division Minor course (Major)	3		
Upper-division Minor course (Major)	3	Upper-division elective (Elective)	3		
Upper-division elective (Elective)	3	Free electives (Elective)	6		
Free elective (Elective)	3				
			15	15	0
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Health and Society

### Major

Thirty semester credit hours, including at least 15 hour of upper-division coursework, consisting of:

- Health and Society 301, *Introduction to Health and Society*
- Health and Society 302, *Current Approaches to Health and Society*
- Three semester hours of methods and statistics: Statistics and Data Sciences 301, 302F, or a course chosen from an approved list.
- Three semester hours of social justice and health: Health and Society 341, Philosophy 325M, 325E, Nursing 321, Social Work 325, or a course chosen from an approved list.
- Health and Society 350E, *Foundations of Epidemiology*
- Three semester hours of individual health & health behavior: Health and Society 310P, 340 (Topic 9: Valuing Mental Health), 340 or a course chosen from an approved list.
- Three semester hours of global health & population health: Health and Society 340, Sociology 369K, or a course chosen from an approved list.
- Three semester hours of health care policy & economics: Health and Society 330, 341C, 340 (Topic 7: Contemporary Practice of Medicine), 340 (Topic 8: Economic Sociology of Health), or a course chosen from an approved list.
- Three semester hours of social & cultural context of health: Anthropology 324L, Classical Civilization 340, History 322M, Philosophy 322, Sociology 336D, 354K, or a course chosen from an approved list.
- Health and Society 378, *Seminar in Health and Society*; or, for students seeking special honors, Health and Society 679HA and 679HB, Honors Tutorial Course

## Suggested Arrangement of Courses, Health and Society (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	SDS 301 or 302F (Core, Major) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social Science course (General Education)	3		

H S 301 (Core, Major) <sup>080</sup>	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
H S 302 (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Free elective (Elective)	3		
15		15		0	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 312L (Core) <sup>070</sup>	3	Global Health & Population Health course (Major)	3	Study Abroad (Opportunity)	
Individual Health & Behavior course (Major)	3	Health Care Policy & Economics course (Major)	3	Internship (Opportunity)	
BIO 311C (Core, Major) <sup>093</sup>	3	Free elective (Elective)	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	Free elective (Elective)	3		
Upper-division Minor/Certificate course (Major)	3	Free elective (Elective)	3		
15		15		0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Social Justice and Health course (Major)	3	H S 378 (Major)	3	(None)	
H S 350E (Major)	3	Social and Cultural Context of Health course (Major)	3		
Upper-division Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Free elective (Elective)	3	Upper-division elective (Elective)	6		
Free elective (Elective)	3				
15		15		0	
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## History

### Major

Thirty semester hours of history, at least 15 hours of which must be upper-division and 21 hours of which must be in residence, including

- History 320W, *Thinking Like a Historian*. History methods course
- At least six semester hours in United States history, of which at least three hours must be completed in residence
- At least 12 semester hours of history chosen from each of four of the following specific geographic areas: Africa; Asia; Europe; Latin America; Middle East; or Transnational
- At least six semester hours must be designated as Pre-1800 history
- History 378W, *Capstone in History*

## Suggested Arrangement of Courses, History (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Free elective (Elective)	3	Mathematics (Core) <sup>020</sup>	3	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	HIS geographical area course (pre-1800) (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Free elective (Elective)	3		
UGS 302 or 303 (Core) <sup>090</sup> , <sup>Wr</sup>	3	Free elective (Elective)	3		
	15		15		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HIS different geographical area course (Major)	3	HIS 320W (Major)	3	Study Abroad (Opportunity)	
HIS course (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core, Major) <sup>060</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HIS different geographical area course (Major)	3	HIS different geographical area course (Major)	3	Study Abroad (Opportunity)	
Cultural Expression, Human Experience, and Thought course (General Education)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Social Science course (General Education)	3		
Foreign Language (General Education)	6	GOV 310L (Core) <sup>070</sup>	3		

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HIS 378W (Major)	3	Minor/Certificate course (Major)	3	(None)	
HIS course (pre-1800) (Major)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	9		
Minor/Certificate course (Major)	3				
GOV 312L (Core) <sup>070</sup>	3				
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Human Dimensions of Organizations

### Major

Thirty semester hours of human dimensions of organizations, at least 18 of which must be upper-division, including:

- Human Dimensions of Organizations 301
- Human Dimensions of Organizations 310
- At least three hours in each of the following three focus areas, three hours of which must be upper-division. Lists of courses are available in the advisor's office:
  - Methods: chosen from Government 341M, *Decision Theory*, Anthropology 302, *Cultural Anthropology*, English 321K, *Introduction to Criticism*, or courses from an approved list.
  - Creativity and innovation: chosen from Creative Writing 325M, *Creative Writing*, English 678SA, *Shakespeare at Winedale*, Psychology 355M, *The Cognitive Psychology of Music*, Sociology 322C, *Sociology of Creativity*, Rhetoric and Writing 328 (Topic 6: Technical Communication and Wicked Problems), or courses from an approved list.
  - Cultural Competence: chosen from Asian Studies 340L, *Post-Mao China: Change and Transformation*, Cognitive Science 360, *Cognitive Science: The Study of Mind*, Religious Studies 375S (Topic 9: Religion in the Workplace), or courses chosen from an approved list.

d. Nine additional upper-division semester hours from a single field from item 3, above

e. Human Dimensions of Organizations 350 and 379.

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

*Course categories: Core, General Education, Major, Elective, Opportunity*

*Core Component Areas:* <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Human Dimensions of Organizations (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HDO 301 (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Cultural Expression, Human Experience, and Thought (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Social and Behavioral Sciences (General Education) <sup>080</sup>	3		
Mathematics (Core) <sup>020</sup>	3	HDO Cultural Competence course (Major)	3		
		<b>15</b>	<b>15</b>		<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Study Abroad (Opportunity)	
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
HDO Methods course (Major)	3	HDO Creativity and Innovation course (Major)	3		
		<b>15</b>	<b>15</b>		<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 312L (Core) <sup>070</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Study Abroad (Opportunity)	
Foreign Language (General Education)	6	HDO 310 (Major)	3	Internship (Opportunity)	
Free elective (Elective)	3	HDO chosen field course (Major)	3		
Free elective (Elective)	3	Minor course (Major)	3		
		Free elective (Elective)	3		
		<b>15</b>	<b>15</b>		<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HDO 320 (Major)	3	HDO 379 (Major)	3	(None)	
HDO chosen field course (Major)	3	Minor course (Major)	3		
Minor course (Major)	3	Minor course (Major)	3		
Minor course (Major)	3	Free electives (Elective)	6		
HDO 350 (Major)	3	Maymester (Opportunity)			
		<b>15</b>	<b>15</b>		<b>0</b>
<b>Total credit hours: 120</b>					

## Humanities

### Major

Forty-two semester hours, including at least 30 hours of upper-division coursework, arranged by contract in consultation with the humanities advisor. None of these 42 hours may be counted toward the core curriculum or the prescribed work for the Bachelor of Arts degree.

Students normally enter the program in the sophomore or junior year. In developing the contract, the student and the advisor define objectives, central subject areas, and a general plan of study, structured in accordance with the student's interests. With the approval of the humanities advisor, the student chooses one of the following tracks:

- a. *Track One*
  - a. Nine semester hours in a single field of study in the College of Liberal Arts
  - b. Nine hours in one or more other fields of study in the College of Liberal Arts
  - c. Nine hours in any field or fields outside the College of Liberal Arts
  - d. Nine additional hours in any field or fields at the University
  - e. Six hours of upper-division coursework in humanities, including Humanities 370
- b. *Track Two*
  - a. Twelve semester hours in a single field of study in the College of Liberal Arts
  - b. Nine hours in a second field of study in the College of Liberal Arts
  - c. Fifteen additional hours in any field or fields at the University
  - d. Six hours of upper-division coursework in humanities, including Humanities 370

Students in the Humanities Honors Program must use Humanities 679HA and 679HB to fulfill requirements 1e or 2d.

## Suggested Arrangement of Courses, Humanities (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		

Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0
<b>Second Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Major course (Major)	3	Major course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Major course (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Major course (Major)	3		
	15		15		0
<b>Third Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
GOV 312L (Core) <sup>070</sup>	3	Social Science course (General Education)	3	Study Abroad (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Major course (Major)	3	Internship (Opportunity)	
Cultural Expression, Human Experience, and Thought course (General Education)	3	Upper-division Major course (Major)	3		
Upper-division Major course (Major)	3	Upper-division Major course (Major)	3		
Free elective (Elective)	3	Upper-division Major course (Major)	3		
	15		15		0
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
HMN 370	3	Upper-division HMN course (Major)	3	(None)	
Upper-division Major course (Major)	3	Upper-division Major course (Major)	3		
Upper-division elective (Elective)	3	Upper-division Major course (Major)	3		
Free elective (Elective)	3	Upper-division elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)

## International Relations and Global Studies

### Major

Forty-eight semester hours of coursework, at least 30 of which must be upper-division, consisting of the following:

- a. Fifteen hours in the following six core courses in the major:
  - a. International Relations and Global Studies 301, *Introduction to International Relations and Global Studies*
  - b. A three-semester-hour course chosen from Economics 301, *Introduction to Economics*, Economics 304K, *Introduction to Microeconomics* or Economics 304L, *Introduction to Macroeconomics*
  - c. Geography 305, *This Human World: An Introduction to Geography*
  - d. A three-semester-hour course chosen from Anthropology 302, *Cultural Anthropology* or Sociology 302, *Introduction to the Study of Society*
  - e. History 301J, *Globalization: A Modern History*
- b. International Relations and Global Studies 320F, *Foundations of International Relations and Global Studies*
- c. Nine hours, including six upper-division, in a single area: Asian Studies, European Studies, Latin American Studies, Middle Eastern Studies, Russian, Eurasian, and East European Studies, African studies such as African and African Diaspora Studies 304, *Introduction to the Study of Africa*, African and African Diaspora Studies 335E, *Introduction to African Art*, African and African Diaspora Studies 345F, *Sex and Power in the African Diaspora* or courses chosen from an approved list, or another regional area approved by IRG director.
- d. Twelve hours of upper-division coursework in one of the following tracks, chosen from a list of approved courses available in the advising office:
  - a. Culture, media, and the arts: Anthropology 326L, Asian Studies 340F, Music 334, or courses chosen from an approved list
  - b. International security: Government 360D, Government 365W, History 346R, or courses chosen from an approved list
  - c. Science, technology, and environment: Geography 326, History 322G, Religious Studies 373M, or courses chosen from an approved list
  - d. International political economy: Government 360E, History 340L, Textiles and Apparel 331, or courses chosen from an approved list
- e. Six hours of upper-division coursework in a single foreign language
- f. International Relations and Global Studies 378, *Capstone Research in International Relations and Global Studies*; or, for students seeking special honors, International Relations and Global Studies 678H, *Honors Tutorial Course*

International relations and global studies majors must participate in an approved study abroad program. A list of approved programs is available from the faculty advisor. A student who graduated from an international high school may petition to be excused from this requirement. Documentation is required, and the petition must be approved by the faculty advisor and the associate dean for academic affairs.

A grade of at least C- is required for International Relations and Global Studies 301, *Introduction to International Relations and Global Studies*, International Relations and Global Studies 320F, *Foundations of*

International Relations and Global Studies, and International Relations and Global Studies 378, Capstone Research in International Relations and Global Studies.

## Suggested Arrangement of Courses, International Relations and Global Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3	Internship (Opportunity)	3
GRG 305 (Core/Major) <sup>080</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Mathematics (Core) <sup>020</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Foreign Language (General Education)	3	Internship (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	ANT 302 or SOC 302 (General Education/Major)	3		
U.S. History (Core) <sup>060</sup>	3	IRG 301 (Major)	3		
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	ECO 301 (Major)	3		
Foreign Language (General Education)	3	Area Studies (Major)	3		
15		15		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Visual and Performing Arts (Core) <sup>050</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Internship (Opportunity)	3
Track (Major)	3	IRG 320F (Major)	3		
Track (Major)	3	Track (Major)	3		
Upper-division Area Studies course (Major)	3	Upper-division Foreign language (Major)	3		
HIS 301J (General Education/Major)	3	Upper-division Area Studies course (Major)	3		
15		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
U.S. History (Core) <sup>060</sup>	3	Free Elective (Elective)	3	(None)	3
Track (Major)	3	IRG 378 (Major) <sup>Wr,II</sup>	3		
Upper-division Foreign language (Major)	3	Upper-division Elective course (Elective)	3		
Upper-division Elective course (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
15		15		0	

Total credit hours: 120

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Italian Studies

### Major

Twenty-four semester hours of upper-division coursework in Italian, including:

- Italian 320
- Three hours in Italian courses chosen from Italian 321 or 325C or 328
- Three hours in Italian Civilization
- Fifteen hours in additional Italian upper-division. Up to three hours of Italian Civilization may be counted for three hours of additional Italian upper-division. Up to three hours of Liberal Arts 320 may be counted for three hours of additional Italian Civilization

Only one may be counted for the Major: Liberal Arts 321 J, three hours of additional Italian Civilization, Italian 349P, Italian 358Q.

## Suggested Arrangement of Courses, Italian Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ITL 601C (General Education)	6	ITL 611C (General Education)	6	Study Abroad (Opportunity)	6
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	Mathematics (Core, General Education) <sup>020,QR</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ITL 320 (Major)	3	ITL 321 or 328 (Major)	3	Study Abroad (Opportunity)	3
E 316L, 316M, 316N, or 316P (Core, General Education) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
15		15		0	

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ITL course (Major)	3	Upper-division ITL course (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	Minor/Certificate course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		3
Minor/Certificate course (Major)	3	Free elective (Elective)	3		3
Free elective (Elective)	3	Free elective (Elective)	3		3
		<b>15</b>	<b>15</b>	<b>0</b>	

**Fourth Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ITL course (Major)	3	Upper-division ITL course (Major)	3	(None)	3
Upper-division ITC course (Major)	3	Upper-division ITL or ITC course (Major)	3		3
Free electives (Elective)	9	Free electives (Elective)	9		9
		<b>15</b>	<b>15</b>	<b>0</b>	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Jewish Studies

### Major

Twenty-seven semester hours of coursework in Jewish studies, including 18 hours in-residence, Jewish Studies 304M or 304N, at least three additional hours of lower-division coursework, and 18 hours of upper-division coursework. Students must complete each of the following areas:

- Humanities and arts: six hours of Jewish Studies 363
- History and social science: six hours of Jewish Studies 364, or six hours of Jewish Studies 365, or three hours of each.
- Nine additional hours of Jewish studies coursework are required, six of them upper-division. These hours can include:
  - Liberal Arts 320J, *Jewish Studies Internship*, or the nine hours required for the Option in Israel Studies (OIS), see below. Students are encouraged but not required to use Hebrew or Yiddish to fulfill the foreign language requirement.
  - Jewish studies majors can earn an Option in Israel Studies. To earn the OIS, students must complete six semester credit hours

of upper-division coursework focused on Israel (these courses may also count toward the Jewish Studies major) and three semester credit hours content course in Middle Eastern studies not in Israel, chosen from approved lists.

Students in the OIS are encouraged but not required to use Hebrew or Arabic to fulfill the foreign language requirement.

## Suggested Arrangement of Courses, Jewish Studies (BA)

**First Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	6
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		3
J S 304M (Major)	3	U.S. History (Core) <sup>060</sup>	3		3
		<b>15</b>	<b>15</b>	<b>0</b>	

**Second Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division J S course (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		3
U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3		3
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3		3
		<b>15</b>	<b>15</b>	<b>0</b>	

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
J S 363 (Major)	3	J S 363 (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	J S 364 or 365 (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		3
Cultural Expression, Human Experience, and Thought course (General Education)	3	Free elective (Elective)	3		3
Upper-division Minor/Certificate course (Major)	3	Free elective (Elective)	3		3
		<b>15</b>	<b>15</b>	<b>0</b>	

**Fourth Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
J S 364 or 365 (Major)	3	Upper-division J S course (Major)	3	(None)	3
Upper-division J S course (Major)	3	Upper-division J S course (Major)	3		3
Upper-division Minor/Certificate course (Major)	3	Upper-division electives (Elective)	6		6
Free elective (Elective)	3	Free elective (Elective)	3		3

Free elective (Elective)	3		
	15	15	0
<b>Total credit hours: 120</b>			

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Latin American Studies

### Major

Twenty-seven semester hours, at least 18 hours of which must be upper-division, including:

- Latin American Studies 301
- Latin American Studies 337M
- One of the following social sciences: Latin American Studies 315, 319, 324L, 325, 330, 355
- Latin American Studies 366
- Three hours, chosen from the following: Latin American Studies 326, 327, 328, 370P, or 370S
- Nine additional hours of Latin American studies, of which six must be upper-division
- Latin American Studies 378

Students must achieve an intermediate level of competency in Spanish, Portuguese, or an indigenous language of Latin America. Credit used to fulfill this requirement may also be used to fulfill the foreign language requirement.

## Suggested Arrangement of Courses, Latin American Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language SPN, POR, or LAL course (General Education)	6	Foreign Language SPN, POR, or LAL course (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	

RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
LAS 301 (Major, General Education) <sup>GC</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	15		15		0

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language SPN, POR, or LAL course (General Education)	6	LAS course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education) Minor course (Major)	3		
	15		15		0

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Minor course (Major)	3	LAS 366 (Major)	3	Study Abroad (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	LAS 337M (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor course (Major)	3		
Free elective (Elective)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
Upper-division Minor course (Major)	3	Free elective (Elective)	3		
	15		15		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
LAS 326, 327, 328, 370P, or 370S (Major)	3	LAS 378 (Major) <sup>Wr, II</sup>	3	(None)	
Upper-division LAS course (Major)	3	Upper-division LAS course (Major)	3		
Upper-division Minor course (Major)	3	LAS 315, 319, 324L, 325, 330, or 355 (Major)	3		
Upper-division elective (Elective)	3	Upper-division electives (Elective)	6		
Free elective (Elective)	3				
	15		15		0

**Total credit hours: 120**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II



Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Linguistics

### Major

Twenty-seven semester hours of coursework in linguistics, consisting of Linguistics 306, 344K, 345, 372K, 372L, and 12 additional hours of coursework in linguistics, nine hours of which must be upper-division. Students should consult the undergraduate advisor for information about counting other courses toward the major requirements.

### Suggested Arrangement of Courses, Linguistics (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	LIN 306 (Core, Major) <sup>080</sup>	3		
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division LIN course (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3		
15		15		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
LIN 344K (Major)	3	LIN 372K (Major)	3	Study Abroad (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Upper-division LIN course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	Free elective (Elective)	6		
Upper-division Minor/Certificate course (Major)	3				
15		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
LIN 345	3	LIN 372L	3	(None)	
Upper-division LIN course (Major)	3	Upper-division LIN course (Major)	3		
15		15		0	

Upper-division Minor/Certificate course (Major)	3	Upper-division elective (Elective)	3
Free elective (Elective)	3	Upper-division elective (Elective)	3
Free elective (Elective)	3	Free elective (Elective)	3
15		15	
0		0	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Mexican American and Latina/o Studies

### Major

Twenty-seven semester credit hours in Mexican American and Latina/o Studies, including 18 hours upper-division and 18 hours in residence. The following courses are required:

- Mexican American Studies 301, *Introduction to Mexican American and Latina/o Studies*
- Mexican American Studies 378, *Capstone Seminar*
- Completion of one of the following is required.
  - Mexican American Studies 375, *Internship*
  - Study Abroad (approved)

Students majoring in Mexican American and Latina/o Studies must achieve, at a minimum, an intermediate level of proficiency in Spanish, Portuguese, or a relevant Indigenous language.

### Suggested Arrangement of Courses, Mexican American and Latina/o Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language SPN or POR course (General Education)	6	Foreign Language SPN or POR course (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
MAS 301 (Major)	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	

# Middle Eastern Studies

## Major

Thirty-six semester hours of coursework in Middle Eastern studies, 27 of which must be upper-division coursework, consisting of the following:

- a. Six semester credit hours, chosen from Middle Eastern Studies 301J, 301K, 301L, 310C, 310R
- b. Middle Eastern Studies 301C
- c. Six semester hours of upper-division coursework in a Middle Eastern language (Arabic, Hebrew, Persian, or Turkish)
- d. Three semester hours of upper-division coursework in each of the following areas:
  - i. Social science: Middle Eastern Studies 341, *Topics in the Middle East: Social Science*.
  - ii. Arts and humanities: Middle Eastern Studies 342, *Topics in the Middle East: Arts and Humanities*.
  - iii. History: Middle Eastern Studies 343, *Topics in the Middle East: History*.
- e. Nine upper-division hours chosen from a single track, consisting of one of the following (courses used to fulfill this requirement must be in addition to items 3 and 4):
  - i. Arabic
  - ii. Hebrew
  - iii. Turkish
  - iv. Persian
  - v. Ancient Near East
  - vi. Islamic Studies
  - vii. History
  - viii. Literature
- f. Middle Eastern Studies 323C

## Suggested Arrangement of Courses, Middle Eastern Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
MES 301K (Major) <sup>GC</sup>	3	MES 301L (Major)	3	Study Abroad (Opportunity)	3
Visual and Performing Arts (Core) <sup>050</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	U.S. History (Core) <sup>060</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	MES 301C (Major)	3		
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	3
Free elective (Elective)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language SPN or POR course (General Education)	6	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core)	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Social Science course (General Education)	3		
		Minor/Certificate course (Major)	3		
	15		15		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division MAS course (Major)	3	MAS course (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	Upper-division MAS course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		
Cultural Expression, Human Experience, and Thought (General Education)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
Upper-division Minor/Certificate course (Major)	3	Free elective (Elective)	3		
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division MAS course (Major)	3	MAS 378 (Major)	3	(None)	
Upper-division MAS course (Major)	3	Upper-division MAS course (Major)	6		
MAS 375 (Major)	3	Minor/Certificate course (Major)	3		
Upper-division Minor/Certificate course (Major)	3	Upper-division elective (Elective)	3		
Minor/Certificate course (Major)	3				
	15		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

**Course categories:** Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

Natural Science and Technology, Part II (Core) <sup>093</sup>	3 U.S. History (Core) <sup>060</sup>	3			
ARA 601C, HEB 601C, PRS 601C, or TUR 601C (Major, General Education)	6 ARA 611C, HEB 611C, PRS 611C, or TUR 611C (Major, General Education)	6			
	<b>15</b>	<b>15</b>			<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
ARA 621K, HEB 320L, PRS 322K, or TUR 320K (Major)	3	MES 342 (Major) <sup>Wr</sup>	3	Study Abroad (Opportunity)	3
Social Science course (General Education)	3	HEB 346, PRS 329, or TUR 329 (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	GOV 310L (Core) <sup>070</sup>	3		
MES 341 (Major)	3	Free elective (Elective)	3		
	<b>15</b>	<b>15</b>			<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
MES 343 (Major) <sup>Wr</sup>	3	MES 323C (Major)	3	(None)	3
GOV 312L (Core) <sup>070</sup>	3	Upper-division Minor/Certificate course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Track (Major)	3		
Track (Major)	3	Track (Major)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>	<b>15</b>			<b>0</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Philosophy

### Major

Thirty semester hours of philosophy, at least 18 of which must be upper-division, including

a. Three hours of symbolic logic: Philosophy 313, 313K, or 313Q

b. Philosophy 329K or 329L, which may also be counted toward requirement 3 or 4 below

c. Three hours of ancient philosophy: Philosophy 301K or 329K

d. Three hours of early modern philosophy: Philosophy 301L or 329L

e. Six hours chosen from Philosophy 321K, 323K, 323M, 323S, 325K, and 332

## Suggested Arrangement of Courses, Philosophy (BA)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Free elective (Elective)	3	Mathematics (Core) <sup>020</sup>	3	Study Abroad (Opportunity)	3
Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	Lower-division PHL course (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Social Science course (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHL 301K (Major)	3	Lower-division PHL course (Major)	3	Study Abroad (Opportunity)	3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	<b>15</b>		<b>15</b>		<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHL 323K, 323M, 325K, or 332 (Major)	3	PHL 323K, 323M, 325K, or 332 (Major)	3	Study Abroad (Opportunity)	3
PHL 313 (Major, General Education) <sup>QR</sup>	3	PHL 329L (Major, General Education)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division PHL course (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division PHL course (Major)	3	Upper-division PHL course (Major)	3	(None)	3
HIS prior to 1800 course (Major)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Free electives (Elective)	6	Free electives (Elective)	6		
	<b>15</b>		<b>15</b>		<b>0</b>

Total credit hours: 120

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Portuguese

- Three semester hours of advanced grammar and writing: Portuguese 327C
- One introductory course in language and linguistics in society: Portuguese 330L
- One introductory course in literatures and cultures: Portuguese 328C
- One upper-division course in Spanish (SPN) or Spanish Civilization (SPC, taught in English)
- Fifteen additional semester hours of coursework in upper-division Portuguese

## Suggested Arrangement of Courses, Portuguese (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	POR 610D (General Education)	6	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	Mathematics (Core, General Education) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
POR 601D (General Education)	6	U.S. History (Core) <sup>060</sup>	3		
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
POR 611D (General Education)	6	POR 327C (Major)	3	Study Abroad (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	Minor/Certificate course (Major)	3		
		Social Science course (General Education)	3		
	15		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
POR 328C (Major, General Education)	3	POR 330L (Major)	3	Study Abroad (Opportunity)	

Upper-division POR course (Major)	3	Upper-division POR course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	GOV 310L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	15		15		0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division POR course (Major)	3	Upper-division SPN course (Major)	3	(None)	
Upper-division POR course (Major)	3	POR 379C (Major)	3		
E 316L, 316M, 316N, or 316P (Core, General Education) <sup>040</sup>	3	Minor/Certificate course (Major)	3		
GOV 312L (Core) <sup>070</sup>	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	15		15		0
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Psychology

### Major

Twenty-eight semester hours of psychology, at least 19 of which must be upper-division, including Psychology 301, 317L and 420M with a grade of at least C in each. (Students with credit for Psychology 317 must complete Psychology 120R with a grade of at least C prior to advancing to Psychology 420M). No more than three hours of lower-division psychology may be taken in addition to Psychology 301 and 317L, and no less than 15 hours of upper-division beyond Psychology 420M. Also included in these 28 hours must be at least three hours in each of the following three areas.

- Clinical/social/developmental/evolutionary psychology: Psychology 333C, 333D, 333E, 333F, 333M, 333R, 333T, 333W, 334D, 334E, 339, 343K, 346K, 364, 365G
- Cognition/language/neuroscience/perception: Psychology 323, 323P, 323S, 326K, 332, 332C, 333N, 333P, 337, 338K, 345, 353K, 355, 355D, 355R, 371

c. Multicultural/diversity/inclusion in the behavioral sciences: Psychology 332U, 364T, 365D, or a course chosen from an approved list available at <https://liberalarts.utexas.edu/psychology/>

Psychology 420M and at least six hours of upper-division coursework must be completed in residence at the University. Psychology majors must earn a grade of at least C in Psychology 317L (120R) and 420M to register for upper-division psychology courses. Students may not enroll in Psychology 317L (120R) and 420M more than twice.

Psychology 357 and 359 are offered on the pass/fail basis only; they may not be counted toward the 28 hours in psychology required for the major.

No student may register for more than 10 semester hours of psychology in any one semester without approval of an undergraduate advisor in the Department of Psychology.

## Suggested Arrangement of Courses, Psychology (BA)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PSY 301 (Core, Major) <sup>080</sup>	3	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	PSY 317L (Core, Major) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
GOV 310L (Core) <sup>070</sup>	3	Lower-division psychology course (Major)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3				
	15		15		0

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 312L (Core) <sup>070</sup>	3	PSY 420M (Major)	4	Study Abroad (Opportunity)	
Cultural Expression, Human Experience, and Thought course (General Education)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	15		16		0

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division PSY Area I course (Major)	3	Upper-division PSY Area II course (Major)	3	Study Abroad (Opportunity)	
Upper-division PSY course (Major)	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Internship (Opportunity)	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Free elective (Elective)	3	Free elective (Elective)	6		
Free elective (Elective)	3				
	15		15		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division PSY Area III course (Major)	3	Visual and Performing Arts (Core) <sup>050</sup>	3	(None)	

Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Upper-division elective (Elective)	3		
Upper-division elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
		Maymester (Opportunity)			
	15		15		0

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Race, Indigeneity, and Migration Major

Twenty-seven semester credit hours, including 15 upper-division and 18 in residence.

- a. Three semester hours of Race, Indigeneity, and Migration 301
- b. Six semester hours of gateway courses:
  - i. Three hours of Historical Foundations chosen from African and African Diaspora Studies 301, Asian American Studies 301, American Studies 3150, History 317L (Topic 8: Introduction to Native American Histories), Mexican American Studies 301, Women's and Gender Studies 303, or 305
  - ii. Three hours of Race, Indigeneity, and Migration 350
- c. Nine semester hours, chosen from an approved list, in one of the following tracks. At least three of these hours must include a course that offers training in "tools":
  - i. Critical and comparative race
  - ii. Migration and refugee flows
  - iii. Indigeneity
  - iv. Gender, Sexuality and Justice
  - v. Teaching Race, Indigeneity, and Migration
- d. Six additional semester hours, chosen from any course offered from any of the tracks listed above
- e. Three hours of the capstone course Race, Indigeneity, and Migration 378

# Suggested Arrangement of Courses, Race, Indigeneity, and Migration (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RIM 301 (Major)	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Historical Foundations (Major)	3	Upper-division Single Track course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3		
15		15		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Single Track course (Major)	3	Upper-division Single Track course (Major)	3	Study Abroad (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	RIM 350 (Major)	3	Internship (Opportunity)	
CEHET Course (General Education)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Upper-division Elective course (Elective)	3		
GOV 312L (Core) <sup>070</sup>	3	Upper-division Elective course (Elective)	3		
15		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Any Upper-division Track course (Major)	3	RIM 378 (Major)	3	(None)	
Any Track course (Major)	3	Upper-division Minor/Certificate course (Major)	3		
Upper-division Minor/Certificate course (Major)	3	Upper-division Elective course (Elective)	3		
Upper-division Elective course (Elective)	3	Upper-division Elective course (Elective)	3		
Upper-division Elective course (Elective)	3	Free elective (Elective)	3		
15		15		0	

Total credit hours: 120

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Religious Studies

### Major

Thirty semester credit hours, including 18 upper-division

Religious studies majors will complete one of the following three Tracks:

### Track I: COMPARATIVE RELIGIOUS STUDIES

Description: This track is designed to give students a comprehensive training in the discipline of Religious Studies. It is intended for students who would plan to pursue career options in Religious Studies, including graduate programs in the study of religion and/or in a theological or seminary setting.

- Religious Studies 310, *Introduction to the Study of Religion*
- Religious Studies 320, *Introduction to Research Methods in the Study of Religion*
- Three semester credit hours chosen from the Tools Course list: African and African Diaspora Studies 345F, *Sex and Power in the African Diaspora*  
Anthropology 340C, *Ethnographic Research Methods*  
Economics 326L, *Economics of Education*  
Human Dimensions of Organizations 320, *Multidisciplinary Methods for Exploring Organizations*  
Religious Studies 337, *Religion and Society*  
Religious Studies 373E, *Anthropology Of Religion*  
Religious Studies 373T, *Talk, Text, and God*
- Six semester credits hours of Religions of Asia, Europe, the Middle East, or the Mediterranean World:  
Religious Studies 302, *History of the Religions of Asia*  
Religious Studies 304, *Judaism, Christianity, and Islam: An Introduction*

Religious Studies 310R, *Introduction to Middle East Religions*  
Religious Studies 312C, *Introduction to Buddhism*  
Religious Studies 313C, *Introduction to the Old Testament*  
Religious Studies 313M, *Jewish Civilization: Beginnings to 1492*  
Religious Studies 313N, *Jewish Civilization: 1492 to the Present*  
Religious Studies 314K, *Introduction to the Middle East: Religious, Cultural, and Historical Foundations*  
Religious Studies 315K, *Russian Icons and Propaganda*  
Religious Studies 315M, *Luther's World*  
Religious Studies 315N, *Introduction to the New Testament*  
Religious Studies 316E, *American Jews: The Yiddish Experience*  
Religious Studies 318, *The Rise of Christianity*

Religious Studies 319, *Introduction to Islam*  
 Religious Studies 321, *History of Hindu Religious Traditions*  
 Religious Studies 322, *History of Indian Buddhism*  
 Religious Studies 325, *Prophet of Islam: His Life and Times*  
 Religious Studies 325G, *The Qur'an*  
 Religious Studies 335, *Jesus in History and Tradition*  
 Religious Studies 341E, *The Taj Mahal and the Diversity of Indian Art*  
 Religious Studies 341P, *Indian Poetry and Religions*  
 Religious Studies 341T, *Buddhist Art*  
 Religious Studies 341U, *Devotional Literature of India*  
 Religious Studies 344, *The Age of Reformation*  
 Religious Studies 352D, *Japanese Religion and Western Imagination*  
 Religious Studies 352G, *Shamanism and the Primitive*  
 Religious Studies 352R, *Ritual and Religion in Korea*  
 Religious Studies 353D, *The Dead Sea Scrolls*  
 Religious Studies 353E, *Beyond the New Testament*  
 Religious Studies 353F, *Interpretation of Jesus' Death and Resurrection*

Religious Studies 353G, *Abraham and Abrahamic Religions*  
 Religious Studies 353J, *Revelation and Apocalyptic Literature*  
 Religious Studies 353M, *Debating Genesis*  
 Religious Studies 353P, *Paul and His Social World*  
 Religious Studies 354D, *The Bible and History*  
 Religious Studies 355, *The Bible as Literature*  
 Religious Studies 355K, *The Bible in British and American Literature*  
 Religious Studies 356C, *Italian Renaissance, 1350-1550*  
 Religious Studies 356F, *Twelfth-Century Renaissance: 1050-1200*  
 Religious Studies 356G, *The Galileo Affair*  
 Religious Studies 357D, *Heresy and the Inquisition*  
 Religious Studies 357E, *Jews of Eastern Europe*  
 Religious Studies 357F, *Heretics and Freedom Fighters, 1350-1650*  
 Religious Studies 357G, *Geography of Religion in Eastern Europe and Russia*  
 Religious Studies 357I, *Byzantine Art*  
 Religious Studies 357J, *Northern Renaissance Art, 1350-1500*  
 Religious Studies 357K, *Northern Renaissance Art, 1500-1600*  
 Religious Studies 357L, *The Spanish Inquisition*  
 Religious Studies 357M, *Spinoza and Modernity*  
 Religious Studies 357N, *Northern Gods, Northern Faiths: The Conversion of Scandinavians, Finns, Northern Slavs and Shamans*  
 Religious Studies 357O, *The Church and the Jews*  
 Religious Studies 357P, *Jewish Folklore*  
 Religious Studies 357Q, *Gothic Cathedral: Amiens*  
 Religious Studies 357R, *The Age of Rembrandt and Rubens: Northern Baroque Art*  
 Religious Studies 357T, *Introduction to Germanic Religion and Myth*  
 Religious Studies 357U, *Medieval Women Mystics*  
 Religious Studies 357V, *Holocaust Aftereffects*  
 Religious Studies 357W, *Russian Orthodox Religion and Culture*  
 Religious Studies 358C, *Islam and Politics*  
 Religious Studies 358E, *Medieval Islam: Faith and History*  
 Religious Studies 358F, *French Empire: The West and Islam*  
 Religious Studies 358G, *Gender Politics in the Islamic World*  
 Religious Studies 358K, *Islamic Law*  
 Religious Studies 358L, *Rule of Law in the Middle East*  
 Religious Studies 358O, *Origins of Monotheism*  
 Religious Studies 358P, *History of the Pilgrimage to Mecca, Hajj*  
 Religious Studies 358U, *Islamic Theology*  
 Religious Studies 358V, *Veiling in the Muslim World*  
 Religious Studies 359C, *Graffiti and Poster Art in the Islamic World*  
 Religious Studies 359D, *Islam in the Early Modern World: Religion and Culture*  
 Religious Studies 359E, *Shia Islam*  
 Religious Studies 359M, *Arts of Islam, 650-1500*  
 Religious Studies 359N, *Arts of Islam 1500-Present*

Religious Studies 365D, *Hermits, Monks, and Saints in Early Christianity*  
 Religious Studies 365G, *Death and the Afterlife in Graeco-Roman Antiquity*

- e. Six semester credit hours Religions of Africa, African Diaspora, or the Americas:
- Religious Studies 313E, *Introduction to Jewish Latin America*  
 Religious Studies 316C, *History of Religion in the United States*  
 Religious Studies 317N, *Introduction to Modern North Africa*  
 Religious Studies 326, *History of Religion in America since 1800*  
 Religious Studies 345, *Islamic Spain and North Africa to 1492*  
 Religious Studies 346D, *Native American Religions*  
 Religious Studies 346F, *United States Catholic History*  
 Religious Studies 346G, *Religion in the American West*  
 Religious Studies 346J, *Evangelical Christianity*  
 Religious Studies 346K, *The Black Church in African American Politics*  
 Religious Studies 346L, *Representation of Jews in the American Public Sphere*  
 Religious Studies 346N, *American Jewish Material Culture*  
 Religious Studies 346U, *The History of Islam in the United States*  
 Religious Studies 346V, *African American Religions*  
 Religious Studies 360C, *African Religious Culture and Creativity*  
 Religious Studies 366C, *The Bible in the Colonial Americas*  
 Religious Studies 366D, *Religions of the Caribbean*  
 Religious Studies 366E, *Jewish Cuba*  
 Religious Studies 368C, *When Christ was King*  
 Religious Studies 368D, *Church and State in Latin America*  
 Religious Studies 368E, *The Religious Tradition in Latin America*
- f. Six semester credit hours of Comparative Themes:
- Religious Studies 346C, *Religion and Visual Culture in the United States*  
 Religious Studies 346M, *Music and Religious Identities in the US*  
 Religious Studies 346P, *Religion in American Political Thought*  
 Religious Studies 346S, *Debating the Bible in the Twenty-First Century*  
 Religious Studies 352S, *Japanese Concepts of Body and Self*  
 Religious Studies 353C, *Angels, Demons, and Magic in Early Christianity*  
 Religious Studies 353L, *The Sacred and the Secular in Contemporary Jewish Literature*  
 Religious Studies 356D, *Satan and the Idea of Evil*  
 Religious Studies 358S, *Saints and Shrines in Islam*  
 Religious Studies 357S, *The Sacred and the Secular in Modern European Thought*  
 Religious Studies 358W, *Gender and Art in the Muslim World*  
 Religious Studies 368F, *Religion, Conquest, and Conversion in Colonial Latin America*  
 Religious Studies 373D, *The History of Christmas*  
 Religious Studies 373F, *Creation*  
 Religious Studies 373G, *Goddesses in World Religions and Cultures*  
 Religious Studies 373J, *Creation and Evolution: Human Origins in Scientific and Religious Discourses*  
 Religious Studies 373K, *Extraterrestrial Intelligence: Culture, Religion, and Imagination*  
 Religious Studies 373N, *Religions in Contact*  
 Religious Studies 373S, *Sport, Religion, and Society*
- g. Religious Studies 375S, *Advanced Seminars in Religious Studies*

## Track II: GLOBAL INTERRELIGIOUS DYNAMICS

Description: This track is designed for students interested in the human encounters and exchanges within and across global religious traditions. It is intended for students who wish to gain in-depth knowledge of the ways diverse religious practices and ideas impact global politics and

civic life, in order to develop skills applicable to careers that address conflict resolution and cultural pluralism.

- a. Religious Studies 310, *Introduction to the Study of Religion*
- b. Religious Studies 307, *Introduction to Interreligious Dynamics*
- c. Religious Studies 320, *Introduction to Research Methods in the Study of Religion*
- d. Nine semester credit hours of Contemporary Interreligious Dynamics:

Religious Studies 316C, *History of Religion in the United States*  
Religious Studies 313N, *Jewish Civilization: 1492 to the Present*  
Religious Studies 316E, *American Jews: The Yiddish Experience*  
Anthropology 318L, *Mexican American Culture*  
Religious Studies 358C, *Islam and Politics*  
Religious Studies 358F, *French Empire: The West and Islam*  
Religious Studies 358G, *Gender Politics in the Islamic World*  
Religious Studies 358L, *Rule of Law in the Middle East*  
Religious Studies 358V, *Veiling in the Muslim World*  
Religious Studies 359C, *Graffiti and Poster Art in the Islamic World*  
Religious Studies 346V, *African American Religions*  
Religious Studies 326, *History of Religion in America since 1800*  
Religious Studies 345, *Islamic Spain and North Africa to 1492*  
Religious Studies 346D, *Native American Religions*  
Religious Studies 346F, *United States Catholic History*  
Religious Studies 346G, *Religion in the American West*  
Religious Studies 346J, *Evangelical Christianity*  
Religious Studies 346K, *The Black Church in African American Politics*  
Religious Studies 346L, *Representation of Jews in the American Public Sphere*  
Religious Studies 346N, *American Jewish Material Culture*  
Religious Studies 346U, *The History of Islam in the United States*  
Religious Studies 360C, *African Religious Culture and Creativity*  
Religious Studies 366C, *The Bible in the Colonial Americas*  
Religious Studies 366D, *Religions of the Caribbean*  
Religious Studies 366E, *Jewish Cuba*  
Religious Studies 368C, *When Christ was King*  
Religious Studies 368D, *Church and State in Latin America*  
Religious Studies 368E, *The Religious Tradition in Latin America*

- e. Nine semester credit hours of Historical Interreligious Dynamics:  
Religious Studies 306D, *The Roots of Religious Toleration*  
Religious Studies 312C, *Introduction to Buddhism*  
Religious Studies 304, *Judaism, Christianity, and Islam: An Introduction*

Religious Studies 312C, *Introduction to Buddhism*  
Religious Studies 313E, *Introduction to Jewish Latin America*  
Religious Studies 313M, *Jewish Civilization: Beginnings to 1492*  
Religious Studies 318, *The Rise of Christianity*  
Religious Studies 319, *Introduction to Islam*  
Religious Studies 321, *History of Hindu Religious Traditions*  
Religious Studies 322, *History of Indian Buddhism*  
Religious Studies 325, *Prophet of Islam: His Life and Times*  
Religious Studies 325G, *The Qur'an*  
Religious Studies 335, *Jesus in History and Tradition*  
Religious Studies 352D, *Japanese Religion and Western Imagination*  
Religious Studies 352G, *Shamanism and the Primitive*  
Religious Studies 352R, *Ritual and Religion in Korea*  
Religious Studies 353G, *Abraham and Abrahamic Religions*  
Religious Studies 357E, *Jews of Eastern Europe*  
Religious Studies 357N, *Northern Gods, Northern Faiths: The Conversion of Scandinavians, Finns, Northern Slavs and Shamans*  
Religious Studies 357O, *The Church and the Jews*  
Religious Studies 357P, *Jewish Folklore*  
Religious Studies 357T, *Introduction to Germanic Religion and Myth*  
Religious Studies 357U, *Medieval Women Mystics*  
Religious Studies 357V, *Holocaust Aftereffects*

Religious Studies 357W, *Russian Orthodox Religion and Culture*  
Religious Studies 358E, *Medieval Islam: Faith and History*  
Religious Studies 358K, *Islamic Law*  
Religious Studies 358P, *History of the Pilgrimage to Mecca, Hajj*  
Religious Studies 359D, *Islam in the Early Modern World: Religion and Culture*  
Religious Studies 359E, *Shia Islam*  
Religious Studies 359M, *Arts of Islam, 650-1500*  
Religious Studies 359N, *Arts of Islam 1500-Present*  
Religious Studies 365D, *Hermits, Monks, and Saints in Early Christianity*  
Religious Studies 365G, *Death and the Afterlife in Graeco-Roman Antiquity*

- f. Religious Studies 375S, *Advanced Seminars in Religious Studies*

## Track III: RELIGION, ETHICS, AND SOCIAL JUSTICE

Description: This track is designed to train students in applied methods for the study of religion in everyday life, including secular spaces and popular cultures that often fall outside conventional understandings of religious traditions and the study of religion. This track emphasizes concerns of ethics and justice in society. It is intended for pre-professional students interested in careers in medicine, law, social work, non-profits, community engagement, workplace equity, human rights, and democratic engagement.

- a. Religious Studies 310, *Introduction to the Study of Religion*
- b. Religious Studies 320, *Introduction to Research Methods in the Study of Religion*
- c. Three semester credit hours chosen from the Tools Course list:  
African and African Diaspora Studies 345F, *Sex and Power in the African Diaspora*  
Anthropology 340C, *Ethnographic Research Methods*  
Economics 326L, *Economics of Education*  
Human Dimensions of Organizations 320, *Multidisciplinary Methods for Exploring Organizations*  
Religious Studies 337, *Religion and Society*  
Religious Studies 373E, *Anthropology Of Religion*  
Religious Studies 373T, *Talk, Text, and God*
- d. Nine semester credit hours of Religious Ethics and Moral Traditions:  
African and African Diaspora Studies 351U, *Race, Capitalism, and the Environment*  
Religious Studies 358R, *Islamic Ethics*  
Religious Studies 306C, *Comparative Religious Ethics*  
Religious Studies 346S, *Debating the Bible in the Twenty-First Century*  
Religious Studies 373M, *Biomedicine, Ethics, and Culture*  
Religious Studies 352F, *Religion and Family in Japanese Society*  
Religious Studies 358J, *Sex and Sexuality in the Muslim World*  
Religious Studies 373L, *Science, Magic, and Religion*  
Religious Studies 358D, *Muslim Women in Politics*  
Religious Studies 341F, *Jainism: Religion of Non-Violence*  
Religious Studies 341K, *Karma: Ethical Theories of India*  
Religious Studies 341M, *Gender, Sexuality, and the Family in Indian Religions and Cultures*  
Religious Studies 352E, *Confucianism*  
Religious Studies 373K, *Extraterrestrial Intelligence: Culture, Religion, and Imagination*
- e. Nine semester credit hours of Human Rights and Social Justice:  
African and African Diaspora Studies 301, *African American Culture*  
African and African Diaspora Studies 350U, *The Civil Rights Movement from a Comparative Perspective*  
African and African Diaspora Studies 351F, *Black Americans and the South*



African and African Diaspora Studies 351L, *The United States in the Civil Rights Era*  
 African and African Diaspora Studies 351T, *Anthropology for Liberation*  
 African and African Diaspora Studies 360F, *Urban Unrest*  
 Anthropology 320G, *Endangered Languages*  
 Anthropology 325U, *Austin Jews in the Civil Rights Era*  
 Government 314D, *Human Rights Theories and Practices*  
 Government 320N, *United States Constitutional Development: Rights*  
 Government 335Q, *Global Justice*  
 Government 351C, *The Classical Quest for Justice*  
 Government 351E, *Contemporary Political Theory*  
 Government 357D, *Civil Liberties*  
 Government 357G, *Structure of Individual Liberties*  
 Government 365W, *Human Rights and World Politics*  
 Religious Studies 341C, *Gandhi and Gandhism*  
 Religious Studies 346R, *Religion and Social Justice in United States*  
 Religious Studies 346E, *Religion and Film*  
 Religious Studies 346V, *African American Religions*  
 Religious Studies 346D, *Native American Religions*  
 Religious Studies 346K, *The Black Church in African American Politics*  
 Religious Studies 357C, *Machiavelli: Politics and Culture*  
 Religious Studies 358G, *Gender Politics in the Islamic World*  
 Religious Studies 373C, *Religious Ethics and Human Rights*

f. Religious Studies 375S, *Advanced Seminars in Religious Studies*

Natural Science and Technology, Part II (Core) <sup>093</sup>	3 R S 375S (Major) <sup>Wr, II</sup>	3
Cultural Expression, Human Experience, and Thought course (General Education)	3 Minor/Certificate course (Major)	3
GOV 312L (Core) <sup>070</sup>	3 Minor/Certificate course (Major)	3
<b>15</b>		<b>15</b>
<b>15</b>		<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division R S course (Major)	3	Upper-division R S course (Major)	3	(None)	
Upper-division R S course (Major)	3	Upper-division Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Free electives (Elective)	9		
Upper-division Minor/Certificate course (Major)	3				
Free elective (Elective)	3				
<b>15</b>		<b>15</b>		<b>0</b>	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Rhetoric and Writing

### Major

Twenty-seven semester hours of coursework in rhetoric and writing, at least 18 of which must be upper-division, consisting of

- Rhetoric and Writing 306, *Rhetoric and Writing*
- Rhetoric and Writing 321, *Principles of Rhetoric*
- Each of the following courses (any topic):
  - Rhetoric and Writing 330C, *Advanced Studies in Digital Rhetoric*
  - Rhetoric and Writing 330D, *History of Rhetoric*
  - Rhetoric and Writing 330E, *Rhetorical Theory and Analysis*
- Three hours chosen from Rhetoric and Writing 310, 325M, 328 (any topic), 368C, or 368E
- Nine additional semester hours in rhetoric and writing, including six hours of upper-division coursework

## Suggested Arrangement of Courses, Religious Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
GOV 310L (Core) <sup>070</sup>	3	Mathematics (Core) <sup>020</sup>	3	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	U.S. History (Core) <sup>060</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social Science course (General Education)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	R S 310 (Major)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division R S course (Major)	3	Lower-division R S course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
<b>15</b>		<b>15</b>		<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AFR 345F, ANT 340C, HDO 320, R S 337, R S 373E, or R S 373T (Major)	3	Upper-division R S course (Major)	3	Study Abroad (Opportunity)	
R S 320 (Major)	3	Upper-division R S course (Major)	3	Internship (Opportunity)	

# Suggested Arrangement of Courses, Rhetoric and Writing (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core, Major) <sup>010</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
Free elective (Elective)	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division RHE course (Major)	3	Social Science course (General Education)	3	Study Abroad (Opportunity)	
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3		
15		15		0	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
RHE 321 (Major)	3	RHE 330C (Major)	3	Study Abroad (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Upper-division RHE course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	Free elective (Elective)	3		
Upper-division Minor/Certificate course (Major)	3	Free elective (Elective)	3		
15		15		0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
RHE 330D (Major)	3	RHE 330E (Major)	3	(None)	
Upper-division RHE course (Major)	3	RHE 310, 325M, 328, 368C, or 368E (Major)	3		
Upper-division Minor/Certificate course (Major)	3	Upper-division elective (Elective)	6		
Free elective (Elective)	6	Free elective (Elective)	3		
15		15		0	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Russian, East European, and Eurasian Studies

### Major

Students select one of two tracks. Both tracks are designed to allow students considerable opportunity to shape their coursework around their interests:

- Russian, East European, and Eurasian area studies, consisting of:
  - Russian, East European, and Eurasian Studies 301
  - Russian, East European, and Eurasian Studies 301L
  - Six hours of upper-division coursework in a Slavic, Central Asian, or East European language
  - Fifteen semester hours of upper-division Russian, East European, and Eurasian Studies, which must include Russian, East European, and Eurasian Studies 350C, 325, and either 335 or 345.

Students pursuing track 1 area studies, must complete a total of three years of language study in a Slavic, Central Asian, or East European language

- Russian, East European, and Eurasian area studies with a language concentration, consisting of:
  - Russian, East European, and Eurasian Studies 301
  - Russian, East European, and Eurasian Studies 301L
  - Twelve hours of upper-division coursework in a Slavic, Central Asian, or East European language
  - Nine semester hours of upper-division Russian, East European, and Eurasian Studies: Russian, East European, and Eurasian Studies 350C, 325, and either 335 or 345.

Students pursuing track 2 area studies with a language concentration, are encouraged to study their chosen language over the summer or to take a fourth year.

## Suggested Arrangement of Courses, Russian, East European, and Eurasian Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
REE 301 (Major)	3	REE 301L (Major) <sup>Wr</sup>	3	Study Abroad (Opportunity)	
Slavic Language (General Education)	5	Slavic Language (General Education)	5	Internship (Opportunity)	

RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3		
		Free elective (Elective)	3		
	<b>14</b>		<b>17</b>		<b>0</b>

**Second Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
REE 325 (Major)	3	Slavic Language (General Education)	3	Study Abroad (Opportunity)	3
Slavic Language (General Education)	3	REE 335 or 345 (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Minor/Certificate course (Major)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Slavic Language (Major)	3	Upper-division REE course (Major)	3	Study Abroad (Opportunity)	3
Upper-division REE course (Major)	3	Upper-division Slavic Language (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Free elective (Elective)	3	Upper-division elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

**Fourth Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
REE 350C (Major)	3	Upper-division Minor/Certificate course (Major)	3	(None)	3
Upper-division Minor/Certificate course (Major)	3	Social Science course (General Education)	3		
U.S. History (Core) <sup>060</sup>	3	Upper-division elective (Elective)	3		
GOV 312L (Core) <sup>070</sup>	3	Upper-division elective (Elective)	3		
Upper-division elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

**Total credit hours: 121**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Sociology

### Major

At least 30 semester hours of coursework in sociology, including Sociology 302, 317L (or approved substitution), 327M, and 379M. At least 18 semester hours must be in upper-division courses. Sociology majors must earn grades of at least C in Sociology 302, 317L (or approved substitution), and 327M. To enroll in Sociology 327M for a second time, a student must have the consent of a sociology undergraduate advisor. Students may not enroll in Sociology 327M more than twice. Sociology 327M and 379M must be taken in-residence.

If the student completes an approved substitute course instead of Sociology 317L, that course is counted toward the 30 hours required for the major and is included in the major grade point average.

## Suggested Arrangement of Courses, Sociology (BA)

**First Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
SOC 302 (Major) <sup>080</sup>	3	SOC 317L (Major) <sup>020, OR</sup>	3	Study Abroad (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060, CD</sup>	3	U.S. History (Core) <sup>060</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

**Second Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
SOC elective (Major)	3	Minor course (Major)	3	Study Abroad (Opportunity)	3
Minor course (Major)	3	Visual and Performing Arts (Core) <sup>050</sup>	3	Internship (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	<b>15</b>		<b>15</b>		<b>0</b>

**Third Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division SOC course (Major)	3	Upper-division SOC course (Major) <sup>E</sup>	3	Study Abroad (Opportunity)	3
Minor course (Major)	3	Upper-division Minor course (Major)	3	Internship (Opportunity)	3
Foreign Language (General Education)	6	SOC 327M (Major) <sup>Wr, II</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
		Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division SOC elective (Major)	3	Upper-division SOC elective (Major)	3	(None)	
Upper-division Minor course (Major)	3	Upper-division elective (Elective)	3		
SOC 379M (Major)	3	Upper-division elective (Elective)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Upper-division elective (Elective)	3		
SOC elective (Major)	3	Upper-division elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

**Total credit hours: 120**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Spanish

- Three semester hours of grammar and writing: Spanish 327C or Spanish 327N
- One introductory course in language and linguistics in society: Spanish 330L
- One introductory course in literatures and cultures: Spanish 328C
- One upper-division course in Portuguese (POR) or Portuguese Civilizations (PRC, taught in English)
- Twelve additional semester hours of upper-division coursework in Spanish
- One Capstone Seminar: Spanish 379C or Spanish 379L

## Suggested Arrangement of Courses, Spanish (BA)

#### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	SPN 610D (General Education)	6	Study Abroad (Opportunity)	
Visual and Performing Arts (Core) <sup>050</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
SPN 601D (General Education)	6	U.S. History (Core) <sup>060</sup>	3		
	<b>15</b>		<b>15</b>		<b>0</b>

#### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
SPN 311 (General Education)	3	SPN 327C or 327N (Major)	3	Study Abroad (Opportunity)	
SPN 314 (Major)	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
E 316L, 316M, 316N, or 316P (Core, General Education) <sup>040</sup>	3	Social Science course (General Education)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

#### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
SPN 328C (Major, General Education)	3	SPN 330L (Major)	3	Study Abroad (Opportunity)	
Upper-division SPN course (Major)	3	Upper-division SPN course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	GOV 310L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division SPN course (Major)	3	PRC 320E (Major)	3	(None)	
Upper-division SPN course (Major)	3	Minor/Certificate course (Major)	3		
GOV 312L (Core) <sup>070</sup>	3	Free electives (Elective)	9		
SPN 379C (Major)	3				
Free elective (Elective)	3				
	<b>15</b>		<b>15</b>		<b>0</b>

**Total credit hours: 120**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Sustainability Studies

## Major

Thirty-nine semester credit hours, including 18 upper division, consisting of the following:

- a. Geography 404E, 309C, or Sustainability Studies 301.
- b. Nine hours of sustainability foundations, consisting of:
  - i. Three hours in humanities and social science, chosen from Anthropology 302, Geography 305, 319, Social Science 302E, Sociology 302, and Urban Studies 301
  - ii. Three hours in environment and earth sciences, chosen from Geography 401C, 301K, and Geological Sciences 302C
  - iii. Three hours in economics and development, chosen from Economics 301, 304K, 304L, Geography 350K, 342C, and Social Science 302E
- c. Nine hours of sustainability theories and context, consisting of:
  - i. Three hours in research design and methods, chosen from Anthropology 340C, Geography 410C, 324E, 460G, 373F, Sociology 317L, and Urban Studies 315
  - ii. Three hours communication, chosen from Advertising 324, Anthropology 307, Business Administration 324, Communication Studies 306M, 310K, 315M, 332K, 334K, Geography 320M, and Journalism 346F.
  - iii. Three hours in politics and policy, chosen from Business, Government, and Society 370 (Topic 1: Energy Technology and Policy), Communication Studies 322E, 332, 333, 338, 340K, 342K, 345, 345P, Geography 306C, and 340D
- d. Twelve hours in a thematic concentration, chosen from an approved list:
  - i. Trajectories to sustainability
  - ii. Sustainable choices in a diverse world
  - iii. Natural resources management
- e. One course in experiential learning, chosen from Bridging Disciplines 325K, Sustainability Studies 379L, and Urban Studies 360
- f. At least one capstone experience course chosen from Anthropology 662, Bridging Disciplines 320K, Geography 323K, 367D, 368D, Sustainability Studies 374, and Urban Studies 370

## Suggested Arrangement of Courses, Sustainability Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Gateway course (Major)	3	Humanities and Social Science course (Major, General Education) <sup>080</sup>	3	Study Abroad (Opportunity)	3
Visual and Performing Arts (Core) <sup>050</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	3
GOV 310L (Core) <sup>070</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
Cultural Expression, Human Experience, and Thought course (General Education)	3	U.S. History (Core) <sup>060</sup>	3		

UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Economics and Development course (Major)	3		
15		15		0	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Communications course (Major)	3	Concentration course (Major)	3	Study Abroad (Opportunity)	3
Environment and Earth Science (Major) <sup>030</sup>	3	Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Internship (Opportunity)	3
U.S. History (Core) <sup>060</sup>	3	Concentration course (Major)	3		
Foreign Language (General Education)	6	Foreign Language (General Education)	6		
15		15		0	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Politics and Policy course (Major)	3	Concentration course (Major)	3	Study Abroad (Opportunity)	3
Concentration course (Major)	3	Research Design and Methods course (Major)	3	Internship (Opportunity)	3
Free elective (Elective)	3	Free elective (Elective)	3		
Foreign Language (General Education)	6	Free elective (Elective)	3		
		Upper-division elective (Elective)	3		
15		15		0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Experimental Learning (Major)	3	Capstone course (Major)	3	(None)	3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Upper-division electives (Elective)	9		
GOV 312L (Core) <sup>070</sup>	3	Free elective (Elective)	3		
Upper-division electives (Elective)	6				
15		15		0	
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Urban Studies

The Urban Studies degree program is administered by the Department of Geography and the Environment. Students must be admitted to the degree program.

All Urban Studies majors must earn a grade of at least B- in Statistics and Data Sciences 301 or an approved statistics course. This requirement must be satisfied prior to enrollment in Urban Studies 315.

## Major

Twenty-seven semester hours of coursework, consisting of the following:

- Urban Studies 301
- Urban Studies 315
- Urban Studies 360 or an approved internship course
- Urban Studies 370 or 679H
- Fifteen additional hours of upper-division coursework in urban studies

Program admission and approved course information is available on the Urban Studies Program website.

## Suggested Arrangement of Courses, Urban Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	SDS 301 (Core, Major) <sup>020, QR</sup>	3	Study Abroad (Opportunity)	3
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Foreign Language (General Education)	6	Internship (Opportunity)	6
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		3
URB 301 (Major) <sup>CD</sup>	3	U.S. History (Core) <sup>060</sup>	3		3
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	URB 315 (Major)	3	Study Abroad (Opportunity)	3
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
U.S. History (Core) <sup>060</sup>	3	GOV 310L (Core) <sup>070</sup>	3		3
Visual and Performing Arts (Core) <sup>050</sup>	3	Social Science course (General Education)	3		3
Free elective (Elective)	3	Minor/Certificate course (Major)	3		3
	15		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division URB course (Major)	3	Upper-division URB course (Major)	3	Study Abroad (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	Upper-division URB course (Major)	3	Internship (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division Minor/Certificate course (Major)	3		3
Cultural Expression, Human Experience, and Thought course (General Education)	3	Free elective (Elective)	3		3
Minor/Certificate course (Major)	3	Free elective (Elective)	3		3
	15		15		0
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
URB 360 (Major)	3	URB 370 (Major) <sup>Wr, II</sup>	3	(None)	3
Upper-division URB course (Major)	3	Upper-division Minor/Certificate course (Major)	3		3

Upper-division Minor/Certificate course (Major)	3	Upper-division URB course (Major)	6
Free elective (Elective)	6	Free elective (Elective)	3
	15		15
<b>Total credit hours: 120</b>			

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Women's and Gender Studies

### Major

Thirty semester hours of coursework in women's and gender studies, 18 hours of which must be upper-division. It is recommended that six semester hours be taken in women's and gender studies courses originating from outside the College of Liberal Arts. The 30 required semester hours must include the following:

- Women's and Gender Studies 301, *Introductory Topics in Women's and Gender Studies* or Women's and Gender Studies 305, *Introduction to Women's and Gender Studies*
- Women's and Gender Studies 340, *Cross-Cultural Topics in Women's and Gender Studies*
- Three semester credit hours, chosen from a topic of Women's and Gender Studies 340 different from the one used for 2, above, or Women's and Gender Studies 335
- Women's and Gender Studies 350, *Feminist Theory*, or another feminist theory course chosen from a list of courses approved by the Center for Women's and Gender Studies
- Women's and Gender Studies 356, *Introduction to Feminist Research Methods*, or another research methods course chosen from a list of courses approved by the Center for Women's and Gender Studies
- Women's and Gender Studies 379L, *Internship in Women's and Gender Studies*, or Women's and Gender Studies 360, *Research and Thesis in Women's and Gender Studies*
- Women's and Gender Studies 379S, *Senior Seminar*
- Nine additional hours women's and gender studies, including six upper-division

## 5-Year Integrated BA/MA Program in Women's and Gender Studies

The Center for Women's and Gender Studies offers an integrated program to enable currently enrolled, highly motivated undergraduate students with strong intellectual capacities to earn a Bachelor of Arts in Women's and Gender Studies and a Master of Arts in Women's and Gender Studies within a five-year period.

The Integrated BA/MA (WGS) program serves to highlight the intellectual rigor of the WGS program; promote opportunities for undergraduate students to pursue advanced study; improve student preparation for competitive PhD programs; and improve job market opportunities for Liberal Arts graduates.

Eligibility Requirements include:

- Majoring in WGS at The University of Texas at Austin
- 3.0 GPA
- 60 hours of completed coursework, including timely progress in the Core Curriculum/College of Liberal Arts and WGS major requirements
- Meeting with WGS Undergraduate Advisor for appropriate paperwork to participate in the program every semester
- Consent of the graduate course instructor
- Consent of the department's undergraduate WGS academic advisor and graduate advisor
- Consent of the associate dean for student affairs

Students who major in Women's and Gender Studies within the College of Liberal Arts may begin this process during in March/April of their Sophomore year.

WGS BA students begin taking graduate courses in their Junior year. In the spring of their Senior year, they apply to the 5th Year through the online Apply Texas graduate school application.

Interested students should contact the Undergraduate Academic Advisor in WGS before the end of their Sophomore year (if possible) to determine eligibility.

If you are a current UT Austin student and would like to schedule an appointment with the WGS Undergraduate Academic Advisor, please use <https://calendly.com/ajsalcedo> to find a day and time that work for you.

## Suggested Arrangement of Courses, Women's and Gender Studies (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Foreign Language (General Education)	6	Foreign Language (General Education)	6	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Mathematics (Core) <sup>020</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
WGS 305 (Major, General Education) <sup>CD</sup>	3	U.S. History (Core) <sup>060</sup>	3		
15		15		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Lower-division WGS course (Major)	3	Minor/Certificate course (Major)	3	Study Abroad (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	

Natural Science and Technology, Part I (Core) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Free elective (Elective)	3		
15		15		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
WGS 340 (Major)	3	WGS 350 (Major)	3	Study Abroad (Opportunity)	
WGS 340 or 335 (Major)	3	WGS 356 (Major, General Education) <sup>E, II</sup>	3	Internship (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Upper-division Minor/Certificate course (Major)	3		
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Free elective (Elective)	3		
Upper-division Minor/Certificate course (Major)	3	Free elective (Elective)	3		
15		15		0	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
WGS 356 (Major)	3	WGS 379L or 360 (Major)	3	(None)	
Upper-division WGS course (Major)	3	WGS 379S (Major) <sup>Wr</sup>	3		
Upper-division Minor/Certificate course (Major)	3	Upper-division WGS course (Major)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Upper-division elective (Elective)	3		
15		15		0	

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Bachelor of Arts, Plan II

The Plan II Honors Program is designed to provide a broad, liberal, and challenging education for a limited number of students whose high school class standing and admission test scores indicate strong academic potential and motivation. The enrollment in Plan II is limited; admission to the program is separate from and in addition to admission

to the University. Application materials and information about deadlines are available online at <https://admissions.utexas.edu/apply>.

The Plan II Honors Program is not available to transfer applicants. Disappointed transfer applicants interested in the liberal arts are encouraged to seek departmental honors tracks in the College of Liberal Arts. More information about departmental honors programs is available in the [Academic Policies and Procedures](#) (p. 286) section.

The Plan II Honors Program includes the basic coursework required of Plan I students, but much of this work is done in small sections that are restricted to Plan II students and taught by professors selected for their excellent teaching records. Additional required courses explore the humanities, the natural sciences, and the social sciences and provide considerable opportunity for individual research, writing, and speaking. The remainder of the student's program is made up of approved electives.

The academic programs of most Plan II students include 36 semester hours or more of elective coursework. The student may use electives to pursue a second major in the College of Liberal Arts or the College of Natural Sciences. Dual degree programs are available in conjunction with most other undergraduate colleges.

Qualified students who are accepted into both the Plan II Honors Program and the Cockrell School of Engineering may pursue a curriculum leading to both the Bachelor of Arts, Plan II, and a bachelor's degree in engineering. Students interested in this dual degree program must apply both to Plan II and to the Cockrell School. Further information is available from the director of Plan II and from the Office of Student Affairs in the Cockrell School.

Qualified students who are accepted into both the Plan II Honors Program and the McCombs School of Business may pursue a curriculum leading to both the Bachelor of Arts, Plan II, and the Bachelor of Business Administration. Students interested in this dual degree program must apply both to Plan II and to the McCombs School of Business. Further information is available from the director of Plan II and from the McCombs School.

A dual degree program is also available that leads to the degrees of Bachelor of Arts, Plan II, and Bachelor of Architecture. Students must apply both to Plan II and to the School of Architecture. Additional information is available from the director of Plan II and from the School of Architecture.

In addition to the following requirements, the student must fulfill the University's [General Requirements](#) (p. 20) and the requirements of the College of Liberal Arts given in [Special Requirements of the College](#) (p. ).

## Special Requirements

Students who fail to maintain a University grade point average of at least 3.0 will be considered for academic dismissal from Plan II. All students whose grade point average falls below 3.0 but not below 2.50 will be put on academic review. Students whose grade point average falls below 2.50 at any point after their first semester in Plan II will be dismissed from the program. In addition, any student who fails to earn a final grade of at least a C- in any of the following required courses will be dismissed from the program: English 303C, 303D, Philosophy 610QA/610QB, Social Science 302C, 302D, 302E, 302F, Tutorial Course 302, 303C, 303D, 358, 359T, 660HA/660HB. Students may only register for Tutorial Course 660H or 359T if their University grade point average is 3.0 or higher. Lastly, students who are not enrolled at The University of Texas at Austin for four consecutive long semesters and therefore fail to make satisfactory progress toward the degree will be automatically

dismissed from the Plan II Honors Program. All of these stipulations may be appealed and exceptions may be made on a case-by-case basis by the director of Plan II in consultation with the associate director, assistant director, and academic advisors. A student who is academically dismissed from the Plan II program is eligible to continue to enroll in the College of Liberal Arts in another academic program if the student fulfills the academic requirements for the Bachelor of Arts, Plan I, and the scholastic standards for continuance in the University given in the [General Information Catalog](#). Students in scholastic difficulty should discuss their problems with a Plan II academic advisor and the director.

## Prescribed Work

A degree program must include at least 120 semester hours, including at least 36 hours of upper-division coursework. Without special permission from the director and the dean, no more than 39 hours in one field of study in the College of Liberal Arts or the College of Natural Sciences and no more than 36 hours in courses offered in any other college or school may be counted toward the degree.

Plan II students may use credit by examination to fulfill certain program requirements. More information on testing policies and credit by examination is available from a Plan II academic advisor.

Tutorial Course 302 and two semesters of Tutorial Course 358 are required. Tutorial Course 660H is required of students seeking special honors in Plan II, students pursuing the Plan II degree alone, and students writing creative theses. In exceptional situations, students completing dual degree programs may be approved by the Plan II associate director to enroll in Tutorial Course 359T, *Essay Course*, in lieu of Tutorial Course 660H. Other requirements for the Bachelor of Arts, Plan II, are outlined below. All courses offered in the Plan II Honors Program are subject to approval by the Plan II Faculty Advisory Committee; in some areas the committee will prescribe certain courses for all students in the program. Current information on these matters is available in the Plan II office.

All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- a. Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent
- b. Quantitative Reasoning: one flagged course
- c. Global Cultures: one flagged course
- d. Cultural Diversity in the United States: one flagged course
- e. Ethics: one flagged course
- f. Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity and global cultures flags from the same course. Students are encouraged to discuss options with a departmental academic advisor.

The following are the specific requirements of the Plan II program. In some cases, a course that is required for the BA, Plan II, may also be counted toward the core curriculum; these courses are identified below.

1. English 303C and 303D, or Tutorial Course 303C and 303D. Each set of courses also meet the English composition and humanities requirements of the core curriculum.
2. Two courses beyond Rhetoric and Writing 306 or the equivalent that carry a writing flag. One of these courses must be upper-



division. Courses that carry a writing flag are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified.

3. Proficiency in a language other than English is required.

The study of a second language contributes in an important way to a broad education for today's students, who live in a world where the overwhelming majority of people do not speak or read English and where much of the knowledge that is disseminated may never appear in English. Knowledge of a second language is important for an appreciation of the culture of the people using that language, and it also helps students to understand the structure and complexities of their own native language. Students with sufficient preparation may be able to use the second language for study in their chosen discipline. An intermediate level of competency as determined by the completion of any one of the following options:

a. Certified proficiency on a placement or credit-by-exam test.

b. Students with previous experience in the language they plan to use to meet the language requirement must take a language placement test. A student may not select for credit a language course below this placement level without departmental permission.

c. A passing grade in a language course listed below:

Requirements	Hours
American Sign Language	
ASL 311D American Sign Language III: Intermediate	3
Arabic	
ARA 611C Intensive Arabic II	6
Bengali	
BEN 312L Second-Year Bengali II	3
Chinese	
CHI 612 Accelerated Second-Year Chinese or CHI 312L Second-Year Chinese II	3-6
Czech	
CZ 611C Intensive Czech II or CZ 412L Second-Year Czech II	4-6
Danish	
DAN 612 Accelerated Second-Year Danish	6
Dutch	
DCH 612 Accelerated Second-Year Dutch	6
French	
FR 611C Intermediate French or FR 412K Intermediate French I	4-6
German	
GER 612 Accelerated Second-Year German: Readings in Modern German	6
Greek	
GK 312K Intermediate Greek II	3
GK 312L Intermediate Greek II: Biblical Greek	3
GK 610C Intermediate Modern Greek or GK 310K Second-Year Modern Greek II	3-6
Hebrew	
HEB 612C Intensive Biblical Hebrew II	6
HEB 611C Intensive Hebrew II	6
Hindi	

HIN 312L Second-Year Hindi II or HIN 612 Accelerated Second-Year Hindi	3-6
Italian	
ITL 611C Intermediate Italian	6
Japanese	
JPN 611D Intermediate Japanese	6
Korean	
KOR 312L Second-Year Korean II	3
Indigenous Languages of Latin America	
LAL 611C Intensive Indigenous Language of Latin America II	6
Latin	
LAT 511K Accelerated Intermediate Latin	5
Malayalam	
MAL 312L Second-Year Malayalam II	3
Norwegian	
NOR 612 Accelerated Second-Year Norwegian	6
Persian	
PRS 611C Intensive Persian II or PRS 612C Intensive Persian for Heritage Speakers	6
Polish	
POL 312L Second-Year Polish II	3
POL 611C Intensive Polish II	6
Portuguese	
POR 611D Second-Year Portuguese	6
Russian	
RUS 611C Intensive Russian II	6
RUS 412K Second-Year Russian I	4
Sanskrit	
SAN 312L Second-Year Sanskrit II	3
Bosnian/Croatian/Serbian	
S C 312L Second-Year Bosnian/Croatian/Serbian II	3
Slavic & Eurasian Languages	
SEL 611C Intensive Slavic and Eurasian Languages II or SEL 312L Second-Year Slavic and Eurasian Languages II	3-6
South Asian Languages	
SAL 312L Second-Year South Asian Languages II	3
Spanish	
SPN 311 Intermediate Spanish	3
SPN 611D Second-Year Spanish	6
SPN 311J Intermediate Spanish for Heritage Learners	3
Swahili	
SWA 611C Intensive Swahili II	6
Swedish	
SWE 612 Accelerated Second-Year Swedish	6
Tamil	
TAM 312L Second-Year Tamil II	3
Telugu	
TEL 312L Second-Year Telugu II	3

Turkish		
TUR 611C	Intensive Turkish II	6
Urdu		
URD 312L	Second-Year Urdu II	3
Ukrainian		
UKR 312L	Second-Year Ukrainian II	3
Yiddish		
YID 612	Accelerated Second-Year Yiddish	6
Yoruba		
YOR 611C	Intermediate Yoruba	6

d. Students who wish to meet the requirement with proficiency in a language not listed in the table above should contact the [Texas Language Center](#).

4. Three hours of Honors Social Science selected from Social Science 302C, 302D, 302E, and 302F. All Honors Social Science courses also meet the social and behavioral sciences requirement of the core curriculum.
5. Six semester hours of non-United States history in the same geographic area.
6. Eighteen semester hours of coursework as outlined below. To satisfy the core curriculum and the mathematics and natural science requirement of the BA, Plan II, a student may count (1) no more than 12 hours in mathematics, computer science, and statistics and scientific computation combined; and (2) no more than nine hours in any single field of study. Substitutions do exist for some of the requirements outlined below; Plan II students should each meet with a Plan II academic advisor to discuss their individual academic plan.
  - a. Mathematics 310P. This course also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward this requirement. Students who enter the University with fewer than three units of high school mathematics at the level of Algebra I or higher must take Mathematics 301 or 303D without degree credit to remove their deficiency.
  - b. A three-hour course in logic or modes of reasoning designated for Plan II students, currently Tutorial Course 310 or Philosophy 313Q.
  - c. Six hours of coursework in astronomy, biology, chemistry, geological sciences, physical science, or physics. This coursework may be used to fulfill the science and technology, part I, requirement of the core curriculum.
  - d. Biology 301E. Biology 301E may also be used to fulfill the science and technology part I or part II requirement of the core curriculum.
  - e. Physics 321 or an approved alternative natural science course as designated by Plan II. Physics 321 may also be used to fulfill the science and technology part I or part II requirement of the core curriculum.
  - f. Any remaining courses needed to provide 18 hours of work must be chosen from the following fields. No more than three hours may be in the history of science or the philosophy of science. A list of approved alternative courses (items 10 and 11 below) is available in the Student Division and on the [College of Liberal Arts website](#)
    1. Astronomy
    2. Biology

3. Chemistry
4. Geological sciences
5. Marine science
6. Nutrition
7. Physical science
8. Physics
9. Mathematics, computer science, and statistics and data sciences
10. Other alternative science courses approved by the dean
11. Approved alternative courses in history of science and philosophy of science

7. Philosophy 610Q.

8. An approved three-hour course in art history, music history, or history of theatre and dance; or a three-hour upper-division course in classical civilization, humanities, literature, or philosophy.

## Electives

In addition to the core curriculum and the preceding specific requirements, the student must complete enough elective coursework to provide the 120 semester hours required for the degree. These 120 hours may include no more than 12 hours of conference courses and internship courses combined as described in [Conference Courses and Internship Courses](#) (p.      ); nine hours of designated coursework in air force science, military science, or naval science, except for students enrolled in the Military Leadership minor; 19 hours completed on the pass/fail basis; 36 hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences; and 36 hours in any other single college or school of the University. Mathematics courses at the level of college algebra may not count toward elective hours.

## Order of Work

The usual order of work for students in Plan II is outlined below, although it is possible to make exceptions when there is good reason for doing so. There is some variation in the order of work for students in premedical, pre dental, and dual degree programs, for teacher certification candidates, and for students concentrating in science. Students in these areas should consult the director or an academic advisor.

## Suggested Four-Year Plan

*First Year:*

- Tutorial Course 303C and 303D, or English 303C and 303D
- Biology 301E, Mathematics 310P, and Philosophy 313Q or Tutorial Course 310
- Six semester hours of non-United States history
- Foreign language courses
- Tutorial Course 302
- A three-semester-hour elective

*Second Year:*

- Philosophy 610Q
- Three semester hours in mathematics or natural science
- Government 310L and 312L
- Foreign language courses
- Social Science 302C, 302D, 302E, or 302F
- A three-semester-hour elective

*Third and Fourth Years:*

- Three semester hours in the visual and performing arts
- Three semester hours of humanities or courses in the history of fine arts
- Six semester hours of American history
- Six semester hours of Tutorial Course 358
- Tutorial Course 359T or 660H
- Physics 321, or an approved alternative, and three additional hours of science
- Elective courses sufficient to make a total of at least 120 semester hours, with only upper-division courses usually being approved for third- and fourth-year students

Upper-division elective (Elective)	9 Free elective (Elective)	6	
	15	15	0
<b>Total credit hours: 120</b>			

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Suggested Arrangement of Courses, Plan II Honors Program (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T C 303C or E 303C (Core) <sup>010, GC</sup>	3	T C 303D or E 303D (Core) <sup>040, Wr</sup>	3	Study Abroad (Opportunity)	3
T C 302 (Core) <sup>090, Wr</sup>	3	M 310P (Core) <sup>020, QR</sup>	3	Internship (Opportunity)	3
PHL 313Q or T C 310 (General Education) <sup>QR</sup>	3	BIO 301E (Core) <sup>030</sup>	3		3
Visual and Performing Arts (Core) <sup>050</sup>	3	GOV 310L (Core) <sup>070</sup>	3		3
Non-US HIS course (Major)	3	Free elective (Elective)	3		3
		<b>15</b>		<b>15</b>	
				<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHL 610QA (Major)	3	PHL 610QB (Major)	3	Study Abroad (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	GOV 312L (Core) <sup>070</sup>	3	Internship (Opportunity)	3
Fine Arts & Humanities course (Major)	3	U.S. History (Core) <sup>060</sup>	3		3
Foreign Language (General Education)	6	Foreign Language (General Education)	6		6
		<b>15</b>		<b>15</b>	
				<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T C 358 (Major)	3	T C 358 (Major)	3	Study Abroad (Opportunity)	3
S S 302C, 302D, 302E, or 302F (Core) <sup>080</sup>	3	PHY 321 (Core) <sup>030</sup>	3	Internship (Opportunity)	3
Upper-division elective (Elective)	3	Natural Science course (General Education)	3		3
Foreign Language (General Education)	6	Non-US HIS course (Major)	3		3
		Upper-division elective (Elective)	3		3
		<b>15</b>		<b>15</b>	
				<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
T C 660HA (Major)	3	T C 660HB (Major)	3	(None)	3
U.S. History (Core) <sup>060</sup>	3	Upper-division elective (Elective)	6		6

## Bachelor of Science in Economics

The Bachelor of Science in Economics is an alternative to the Bachelor of Arts, designed to include a more extensive natural science curriculum that better prepares students for employment in technical and research jobs, and for graduate study in economics and related disciplines.

Students interested in areas of economics that heavily utilize mathematics, statistics, data science, and computation have the opportunity to develop breadth and depth in fields that complement their areas of interest within economics. To accomplish this goal, the curriculum for the Bachelor of Science in Economics incorporates substantial emphasis on mathematics, statistics, and computer science courses.

A student may not earn both the Bachelor of Arts with a major in Economics and the Bachelor of Science in Economics.

A total of 120 semester hours is required. Thirty-nine hours must be in upper-division courses. At least 60 hours, including 24 hours of upper-division coursework, must be completed in residence at the University. Provided these residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the hours required for the degree), or, with the approval of the dean, by work transferred from another institution. Up to 16 semester hours of classroom and/or correspondence coursework may be taken on a pass/fail basis; coursework taken on a pass/fail basis may count toward electives.

Students in this degree program may pursue any of the honors programs available to Bachelor of Arts, Plan I, students. These programs are described in the section Liberal Arts Honors Programs, Plan I. All students must complete the University's Core Curriculum. All students also must complete the following Skills and Experience flags required by the College of Liberal Arts:

- Writing: Two flagged courses beyond Rhetoric and Writing 306 or its equivalent. One must be upper-division.
- Quantitative Reasoning: one flagged course
- Global Cultures: one flagged course
- Cultural Diversity in the United States: one flagged course

- e. Ethics: one flagged course
- f. Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the Course Schedule. Courses that fulfill core curriculum and flag requirements may be used simultaneously to fulfill other requirements, unless otherwise specified. Students may not earn the cultural diversity and global cultures flags from the same course.

Generally, flag requirements must be satisfied with in-residence courses. See an Economics advisor for details. A list of approved courses satisfying the University core curriculum and Liberal Arts requirements is available on the College of Liberal Arts web site. The specific requirements for the Bachelor of Science in Economics consist of prescribed coursework, coursework in the major, and electives. Only in the following cases may a single course be counted toward more than one requirement:

- a. A course that fulfills a core curriculum requirement may also be counted toward any specific requirement of the Bachelor of Science in Economics unless otherwise stated.
- b. A course that fulfills another requirement may also be used to fulfill a flag requirement.
- c. Up to three hours of coursework counted toward prescribed work or toward the core curriculum may also be counted toward a minor or certificate. Completion of a transcript-recognized minor or certificate is not a requirement of the Bachelor of Science in Economics, but may be earned.

The student must fulfill the University's General Requirements for graduation and the requirements given in the sections Special Requirements of the College of Liberal Arts and Applicability of Certain Courses. University requirements for graduation include a grade point average of at least 2.00 in all courses taken at the University (including credit by examination, correspondence, and extension) for which a grade or symbol other than Q, W, X, or CR is recorded. The student must also earn a grade point average of at least 2.00 in courses taken at the University and counted toward major requirements. More information about grades and the grade point average is given in the General Information Catalog.

## Prescribed Work

- a. Humanities and writing: English 316L, 316M, 316N, or 316P. Two courses beyond Rhetoric and Writing 306 that carry a writing flag. One of these courses must be upper-division. Courses that carry a writing flag are identified in the Course Schedule. Courses that carry a writing flag may be used simultaneously to fulfill the core curriculum and the major.
- b. Foreign language and culture: Students must attain beginning proficiency by completing one of the following options:
  - i. Second-semester-level proficiency, or the equivalent, in a foreign language.
  - ii. First-semester-level proficiency, or the equivalent, in a foreign language and a three-hour course in the culture of the same language area.
  - iii. Two three-hour foreign culture courses chosen from the same category. Courses taken to attain the required level of proficiency in a foreign language are not electives and may not be taken on a pass/fail basis.
- c. Social science: Three semester credit hours in a social science field, in addition to the course taken to satisfy the Social and Behavioral Science requirement of the core curriculum. This course may count toward the major.
- d. Cultural expression, human experience, and thought: Three semester hours of approved coursework. This course must be in a field of

study taught in the College of Liberal Arts. A course counted toward any requirement of the core curriculum may not also be counted toward this requirement. A course counted toward the foreign language and culture requirement may not also be counted toward this requirement. A list of approved courses is available on the College of Liberal Arts web site.

- e. Mathematics, statistics, computer science, and advanced applications: At least 24 semester hours of coursework as outlined below.
  - i. One of the following combinations of courses is required, with a grade of at least a C- in each course: Mathematics 408K and 408L, Mathematics 408C and 408D, Mathematics 408C and 408L, Mathematics 408Q and 408L, Mathematics 408N and 408S, Mathematics 408K and 408S, Mathematics 408C and 408S, Mathematics 408Q and 408S, or Mathematics 408N and 408L. Mathematics 408K (or other accepted first semester of calculus) satisfies the University core and the Liberal Arts mathematics requirement. Mathematics 403K and 403L (and transfer equivalents) may not be substituted for required mathematics courses.
  - ii. Economics 329 or an approved substitute. See the Economics advisors for a list of approved substitutes. This course counts toward the major.
  - iii. Either five or six of the following, totaling 16 to 21 hours: Computer Science 303E and 313E, or 312; Computer Science 323E or Statistics and Data Sciences 335 or Mathematics 348; Computer Science 327E; Electrical and Computer Engineering 422C; Mathematics 340L or 341; Mathematics 368K; Mathematics 427L; Mathematics 427J or 427K; Mathematics 372K or 374M; Mathematics 362K; Mathematics 378P; Mathematics 362M or Electrical and Computer Engineering 351K; Mathematics 361K or 365C; Mathematics 365D; Mathematics 358K or 378K; Mathematics 378N; Statistics and Data Sciences 323; Statistics and Data Sciences 353; Statistics and Data Sciences 374E; Statistics and Data Sciences 322E; Economics 342L; courses on a substitute list (see the Economics Advisors). See the Economics Advisors for information about clusters of complementary courses within this list. Courses satisfying 5c of prescribed work may be used to satisfy university core requirements, but they may not count toward major requirements.

## Major Requirements

At least 32 semester hours of Economics are required, consisting of Economics 304K, 304L, 420S, 320L, 329, 341K or 441K, and 101S, and at least 12 additional hours of upper-division coursework. At least 9 of the additional hours of upper-division coursework must be in courses for which a grade of at least C- in Economics 420K or Economics 420S is a prerequisite, and at least 6 hours must be chosen from Economics 342L, 350L, 354K, 336M, or from a list of advanced Economics courses can be obtained from the Economics advisors. Economics 420S, 320L, 329, and 341K or 441K must be completed in residence. A student must take Economics 420S at least two semesters prior to completion of the degree. A student in the Bachelor of Science in Economics program must earn a grade of at least C- in each course counted toward fulfillment of the major requirements, except Economics 329, in which a grade of at least C is required. Economics 329 with a grade of at least C is a prerequisite for Economics 420S. A minimum grade point average of at least 2.00 in all courses taken at the University and counted toward the major is required. A course satisfying the major requirements may not also satisfy the requirement for prescribed work in Mathematics, statistics, computer science, and advanced applications (5c above). A course satisfying the major requirements may satisfy university core and Liberal Arts requirements, including requirements for flagged courses.

No student may register for more than 11 semester hours of economics in any one semester without approval of an undergraduate advisor in the Department of Economics.

## Electives

In addition to the core curriculum, prescribed work, minor requirements, and major requirements, the student must complete enough elective coursework to provide the 120 semester hours required for the degree.

These 120 hours may include no more than 12 hours of conference courses and internship courses combined as described in Conference Courses and Internship Courses; 12 hours of Bible courses; nine hours of designated coursework in air force science, military science, or naval science, except for students enrolled in the Military Leadership minor; 16 hours completed on a pass/fail basis; 39 hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences (including Economics); and 36 hours in any other single college or school of the University. Mathematics courses at the level of college algebra may not count toward elective hours.

## Suggested Arrangement of Courses, Economics (BSECO)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Study Abroad (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3 Internship (Opportunity)	
ECO 304K (Major)		3 ECO 304L (Major)		3	
M 408K (Major)		4 M 408L (Major)		4	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 E 316L, 316M, or 316N (Core) <sup>040</sup>		3	
	16		16		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Natural Science and Technology, Part II (Core) <sup>093</sup>		3 ECO 420S (Major)		4 Study Abroad (Opportunity)	
GOV 310L (Core) <sup>070</sup>		3 Natural Science course (General Education)		3 Internship (Opportunity)	
ECO 329 (Major)		3 GOV 312L (Core) <sup>070</sup>		3	
Foreign Language (General Education)		6 Foreign Language (General Education)		6	
ECO 101S (Major)		1			
	16		16		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
ECO 441K (Major)		4 ECO 320L (Major)		3 Study Abroad (Opportunity)	
Upper-division ECO course (Elective)		3 Upper-division ECO course (Elective)		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>		3 Natural Science course (General Education)		3	
Minor/Certificate course (Major)		3 U.S. History (Core) <sup>060</sup>		3	
Natural Science course (General Education)		3 Minor/Certificate course (Major)		3	
	16		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division ECO course (Elective)		3 Upper-division ECO course (Elective)		3 (None)	
Cultural Expression, Human Experience, and Thought course (General Education)		3 Upper-division Natural Science course (General Education)		4	
Upper-division Natural Science course (General Education)		3 Minor/Certificate course (Major)		3	
Upper-division Minor/Certificate course (Major)		3 Upper-division Minor/Certificate course (Major)		3	
	12		13		0

Total credit hours: 120

## Bachelor of Science in Environmental Science

The Bachelor of Science in Environmental Science is designed for students interested in an interdisciplinary scientific perspective on environmental and sustainability issues, analysis, and management. The degree program provides the broad foundation in physical, life, and social sciences needed for a career or graduate study in environmental science and related fields such as climate change, ecology, and conservation. Students who complete the program successfully will be able to assess environmental issues critically from multiple perspectives; to perform field, laboratory, and computer analyses; and to conduct original research. The program is designed to prepare graduates for careers in local, state, and federal government laboratories and nonprofit agencies, environmental consulting firms, environmental education and outreach agencies, and universities and other research settings. The degree is offered by the Jackson School of Geosciences with a major in geological sciences, by the College of Liberal Arts with a major in geographical sciences, and by the College of Natural Sciences with a major in biological sciences. The degree programs share common prescribed work, but each major has its own specific requirements. Students may earn only one Bachelor of Science in Environmental Science degree from the University.

The Bachelor of Science in Environmental Science curriculum consists of 126 semester hours of coursework. All students must complete the University's [Core Curriculum](#) (p. 23). The specific degree requirements consist of prescribed work, major requirements, and electives. In some cases, a course that is required for the degree may also be counted toward the core curriculum.

A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work area; the only exception to this rule is that a course that fulfills one requirement may also be used to fulfill a flag requirement, unless otherwise specified.

In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete courses with content in the following Skills and Experience flags:

- Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent; students in the College of Natural Sciences and the Jackson School of Geosciences must complete only two flagged writing courses. For students in the College of Natural Sciences and the College of Liberal Arts, at least one writing flag must be from an upper-division course.
- Quantitative reasoning: one flagged course
- Global cultures: one flagged course

- d. Cultural diversity in the United States: one flagged course
- e. Ethics: one flagged course
- f. Independent inquiry: one flagged course

- c. Climates and oceans: Biology 456L, Geography 333K, Geological Sciences 338J, 347D, 347G, 377P, Marine Science 320, 440, 354Q, 354T, 356. Marine Science 320 may not be used to satisfy both requirement 5 and requirement 10. Biology 337, 437, Geography 356, 356T, Geological Sciences 371C, 371T, Marine Science 352 or 353 may count with prior approval of the faculty advisor.

- d. Environmental economics, sustainability, and business: Economics 304K, 330T. Advanced Placement credit for Economics 304L may be used to satisfy this requirement.

- k. Environmental Science 141 and 151

## Prescribed Work Common to All Environmental Science Majors

- a. Mathematics: Mathematics 408C, or 408N and 408S, or 408K and 408L
- b. Chemistry: Chemistry 301 or CH 301H; 302 or CH 302H; and 204
- c. Physics: Physics 317K and 117M. Physics 303K and 103M, or Physics 301 and 101L
- d. Biological sciences: Biology 311C and 311D, or 315H
- e. Ecology:
  - i. Biology 373 or Marine Science 320. Marine Science 320 may not be used to satisfy both requirement 5a and requirement 10c. Environmental Science majors in the College of Natural Sciences must choose Biology 373
  - ii. Biology 373L or Marine Science 120L. Environmental science majors in the College of Natural Sciences must choose Biology 373L
- f. Geological sciences: Geological Sciences 401 or 303 or Geography 410C; Geological Sciences 346C, and an approved geological sciences course in sustainability
- g. Geography: Geography 335N
- h. Field experience and research methods: Environmental Science 311 and 121
- i. Capstone Research Experience: one of the following pairs:
  - i. Environmental Science 271 and 371 or Environmental Science 171 and 471
  - ii. Environmental Science 172C and 472D or Environmental Science 272C and 372D
  - iii. Environmental Science 271 or Marine Science 370, and one of the following: Chemistry 320M, Geography 460G, 368C, 462K, Geological Sciences 327G, Mathematics 408D, 408M, Statistics and Data Sciences 321 or 320E. Note: Geography 460G, 462K, and Geological Sciences 327G may not be used to satisfy both requirement 9c and 10b. Statistics and Data Sciences 321 and 320E may not be used in this requirement by students in the College of Natural Sciences. Biology 377 may substitute for Environmental Science 271 with prior approval of the faculty advisor. Tutorial Course 660HA and 660HB may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor. Geological Sciences 172H, 173H, and 379H may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor. Natural Sciences 323 and 371 may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor.
- j. Environmental and sustainability themes: One course in each of the following thematic areas:
  - a. Environmental and sustainability policy, ethics, and history: Geography 323K, 331K, 334, 336C, 339K, 340D, 342C, 344K, 356C, History 350R (Topic 7), Journalism 346F, Marine Science 367K, or Philosophy 325D. Biology 337, Geography 356, 356T, or Sociology 321K may be counted with prior approval of the faculty advisor.
  - b. Geographic information systems: Geography 460G, 462K, Geological Sciences 327G

## Additional Prescribed Work

- a. *Writing and Literature*: English 316L, 316M, 316N, or 316P, and three courses beyond Rhetoric and Writing 306 or the equivalent that carry a writing flag. One of these courses must be upper-division. Courses that carry a writing flag are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified.
  - b. *Foreign language/culture*: One of the following foreign language/culture choices:
    - a. Second-semester-level proficiency, or the equivalent, in a foreign language.
    - b. First-semester-level proficiency, or the equivalent, in a foreign language and a three-semester-hour course in the culture of the same language area.
    - c. Two three-semester-hour courses in one foreign culture area chosen from a list of approved courses available in the Student Division or from the undergraduate advisor.
- Courses taken to attain a certain level of proficiency in a foreign language are not electives and cannot be taken on the pass/fail basis.
- c. *Social science*: Three semester credit hours in a social science field, in addition to the course taken to satisfy the Social and Behavioral Science requirement of the Core Curriculum.

A list of approved courses is available each semester in the Student Division and on the [College of Liberal Arts website](#).

- d. *Cultural expression, human experience, and thought*: Three semester hours of approved coursework. The course must be in a field of study taught in the College of Liberal Arts. A course counted toward any requirement of the core curriculum may not also be counted toward this requirement.

A list of approved courses is available each semester in the Student Division and on the [College of Liberal Arts website](#).

## Major Requirements

The following 30 semester hours of coursework are required; these hours must include at least 18 hours of upper-division coursework.

- a. Geography 401C
- b. Twenty-six additional hours of coursework in geography, selected from Geography 301K, 404E, 410C, 333C, 333K, 334K, 334L, 335C, 335K, 335N, 338C, 339, 346, 356 (approved topics), 356T (approved topics), 357, 460G, 462K, 464K, 366C, 366K, 367K, 368C, 470C, and 476T (approved topics)

c. A grade point average of at least 2.00 in the 30 hours of geography coursework required for the major

Cultural Expressions, Human Experience, and Thoughts course (Major)	3 GRG course (Major)	3
GOV 312L (Core) <sup>070</sup>	3 GRG course (Major)	3
GRG course (Major)	3 GRG course (Major)	3
<b>16</b>	<b>16</b>	<b>0</b>

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Psychology

As an alternative to the Bachelor of Arts degree, the Bachelor of Science in Psychology is designed to offer students a more extensive scientific program that may better prepare them for graduate study or employment in research fields. Students interested in mathematics-based or physiology-based areas of psychology have the opportunity to develop more breadth and depth in the fields that complement their area of interest within psychology. To accomplish this goal, the curriculum for the Bachelor of Science in Psychology puts more emphasis on natural sciences and less on language arts.

A student may not earn both the Bachelor of Arts with a major in psychology and the Bachelor of Science in Psychology.

A total of 120 semester hours is required. Thirty-nine hours must be in upper-division courses. At least 60 hours, including 24 hours of upper-division coursework, must be completed in residence at the University. Provided these residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the hours required for the degree), or, with the approval of the dean, by work transferred from another institution. Up to 16 semester hours of classroom and/or correspondence coursework may be taken on the pass/fail basis; this coursework may be counted only as electives.

Students in this degree program may pursue any of the honors programs available to Bachelor of Arts, Plan I, students. These programs are described in the section [Liberal Arts Honors Programs, Plan I](#) (p. 286).

All students must complete the University's [Core Curriculum](#). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the Skills and Experience flags:

- Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent
- Quantitative Reasoning: one flagged course

## Electives

In addition to the core curriculum, prescribed work, additional prescribed work, and major requirements, the student must complete enough elective coursework to provide the 126 semester hours required for the degree. These 126 hours may include no more than 12 hours of conference courses and internship courses combined as described in [Conference Courses and Internship Courses](#) (p. ); 12 hours of Bible courses; nine hours of designated coursework in air force science, military science, or naval science, except for students enrolled in the Military Leadership minor; 16 hours completed on the pass/fail basis; 39 hours in any one field of study offered in the College of Liberal Arts or the College of Natural Sciences, unless major requirements state otherwise; and 36 hours in courses offered in any other single college or school of the University. Mathematics courses at the level of college algebra may not count toward elective hours.

## Suggested Arrangement of Courses, Geographical Sciences (BSEnvirSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 303 (Core) <sup>090</sup>		3 EVS 311 (Major)		3 Study Abroad (Opportunity)	
BIO 311C (Core) <sup>030</sup>		3 BIO 311D (Core) <sup>030</sup>		3 Internship (Opportunity)	
CH 301 (Core) <sup>030</sup>		3 CH 302 (Major) <sup>093</sup>		3	
M 408C or 408K (Core) <sup>020</sup>		4 RHE 306 (Core) <sup>010</sup>		3	
Visual and Performing Arts (Core) <sup>050</sup>		3 GRG 401C (Major)		4	
	<b>16</b>		<b>16</b>		<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 204 (Major)		2 EVS 121 (Major)		1 Study Abroad (Opportunity)	
GRG 404E (Major)		4 GRG 460G or 462K (Major)		4 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>050</sup>		3	
Foreign Language (General Education)		6 Foreign Language (General Education)		6	
	<b>15</b>		<b>14</b>		<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY with a Lab course (Major)		4 EVS 271 (Major)		2 Study Abroad (Opportunity)	
GRG 335N (Major)		3 MNS 320 & MNS 120L (Major)		4 Internship (Opportunity)	
ECO 304K (Major) <sup>080</sup>		3 GEO 346C (Major)		3	
Policy/Ethics/History course (Major)		3 GRG course (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 GOV 310L (Core)		3	
	<b>16</b>		<b>15</b>		<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
EVS 371 (Major)		3 EVS 151		1 (None)	
EVS 141 (Major)		1 Social Science course (General Education)		3	
Climates and Oceans course (Major)		3 GRG course (Major)		3	

- c. Global Cultures: one flagged course
- d. Cultural Diversity in the United States: one flagged course
- e. Ethics: one flagged course
- f. Independent Inquiry: one flagged course

Courses that may be used to fulfill core curriculum and flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity and global cultures flags from the same course. Students are encouraged to discuss options with a departmental academic advisor.

The specific requirements for the Bachelor of Science in Psychology consist of prescribed work, the major, the minor, and electives. Only in the following cases may a single course be counted toward more than one requirement:

A course that fulfills a core curriculum requirement may also be counted toward any specific requirement of the BSPsy unless otherwise stated below.

Courses counted toward the prescribed work may also be counted toward the major.

Up to three hours of coursework counted toward the prescribed work or toward the core curriculum may also be counted toward the minor.

A course that fulfills another requirement may also be used to fulfill a flag requirement.

The student must fulfill the University's [General Requirements](#) (p. 20) for graduation and the requirements given in the sections [Special Requirements of the College of Liberal Arts](#) (p. 293) and [Applicability of Certain Courses](#) (p. 293). University graduation requirements include a grade point average of at least 2.00 in all courses taken at the University (including credit by examination, correspondence, and extension) for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded; for this degree, the student must also earn a grade point average of at least 2.00 in courses taken at the University and counted toward the major requirement.

More information about grades and the grade point average is given in the [General Information Catalog](#).

## Prescribed Work

1. *Writing and Literature*: English 316L, 316M, 316N, or 316P, and two courses beyond Rhetoric and Writing 306 or the equivalent that carry a writing flag. One of these courses must be upper-division. Courses that carry a writing flag are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified.
2. *Foreign language/culture*: Students must complete one of the following options:
  - i. Second-semester-level proficiency, or the equivalent, in a foreign language.
  - ii. First-semester-level proficiency, or the equivalent, in a foreign language and a three-semester-hour course in the culture of the same language area.
  - iii. Two three-hour foreign culture courses chosen from a list available in the college's Student Division and the Department of Psychology. Courses taken to attain the required level of proficiency in a foreign language are not electives and may not be taken on the pass/fail basis.

3. *Social science*: Three semester credit hours in a social science field, in addition to the course taken to satisfy the Social and Behavioral Science requirement of the Core Curriculum. Courses that are approved to count toward any core curriculum area other than social and behavioral sciences may not be counted toward this requirement.

A list of approved courses is available each semester in the Student Division and on the [College of Liberal Arts website](#).

4. *Mathematics and natural science*: At least 25 semester hours of coursework as outlined below. Some of the courses that fulfill this requirement may also be counted toward the requirements of the core curriculum. No course may be counted toward both requirement 4c and 4d.
  - i. Mathematics 408C or 408K or a more advanced calculus course
  - ii. Psychology 317L
  - iii. 16 to 18 hours, consisting of two of the following sequences:
    1. Biology 311C, 311D, and 325
    2. Chemistry 301, 302, and 204
    3. Physics 317K, 105M, 317L, and 105N; or 301, 101L, 316, and 116L; or 303K, 105M, 303L, and 105N; or 302K, 105M, 302L, and 105N
  - iv. One of the following:
    1. Three additional hours in mathematics. Mathematics 301, 302, 303D, 303F, 316K, and 316L may not be used to fulfill this requirement.
    2. Three hours in biology, chemistry, or physics. Only the courses listed in requirement 4c above and more advanced courses may be used to fulfill this requirement.
5. *Cultural expression, human experience, and thought*: Three semester hours of approved coursework. The course must be in a field of study taught in the College of Liberal Arts. A course counted toward any requirement of the core curriculum may not also be counted toward this requirement. A course counted toward the foreign language/culture requirement, above, may not also be counted toward this requirement.

A list of approved courses is available each semester in the Student Division and on the [College of Liberal Arts website](#).

## Major Requirements

Twenty-eight semester hours of psychology, at least 19 of which must be upper-division, including Psychology 301, 317L and 420M with a grade of at least *C* in each. (Students with credit for Psychology 317L must complete Psychology 120R with a grade of at least *C* prior to advancing to Psychology 420M). No more than three hours of lower-division psychology may be taken in addition to Psychology 301 and 317L, and no less than 15 hours of upper-division beyond Psychology 420M. Also included in these 28 hours must be at least three hours in each of the following three areas.

- a. Clinical/social/developmental/evolutionary psychology: Psychology 333C, 333D, 333E, 333F, 333M, 333R, 333T, 333W, 334D, 334E, 339, 343K, 346K,
- b. Cognition/language/neuroscience/perception: Psychology 323, 323P, 323S, 326K, 332, 332C, 333N, 333P, 337, 338K, 345, 353K, 355, 355D,
- c. Multicultural/diversity/inclusion in the behavioral sciences: Psychology 332U, 364T, 365D, or a course chosen from an approved list available at <https://liberalarts.utexas.edu/psychology/>

Psychology 420M and at least six hours of upper-division coursework must be completed in residence at the University. Psychology PS majors must earn a grade of at least *C* in Psychology 317L (120R)



and Psychology 420M to register for upper-division psychology courses. Students may not enroll in

Psychology 317L (120R) and Psychology 420M more than twice.

Psychology 357 and 359 may not be counted toward the 28 hours in psychology required for the major.

No student may register for more than 10 semester hours of psychology in any one semester without approval of an undergraduate advisor in the Department of Psychology.

## Minors

Students must also fulfill the requirements of a minor.

There are three types of minor:

- A minor offered by a department or center
- A Liberal Arts multi-disciplinary minor in the Social and Behavioral Sciences
- A Liberal Arts multi-disciplinary minor in the Humanities

A student who wishes to pursue more than one transcript-recognized minor per major, or more than one transcript-recognized certificate fulfilling the requirements of the minor per major, must consult with his or her academic advisor to get permission from the College. When considering whether to grant an exception and allow pursuit of another transcript-recognized credential, the academic advisor will take into account the student's long-term education/professional goals and the student's ability to graduate within four years of entering the university.

Before planning to use a course to fulfill the minor requirement, the student should consult the department that offers the course.

At least nine of the hours required for the minor must include coursework not used to satisfy the requirements of the student's major. Courses used to fulfill the requirements for a minor must be taken on a letter-grade basis, and half of the required semester hours must be taken in residence.

## Electives

In addition to the core curriculum, prescribed work, major, and minor, the student must complete enough elective coursework to provide the 120 semester hours required for the degree. These 120 hours may include no more than 12 hours of conference courses and internship courses combined as described in [Conference Courses and Internship Courses](#) (p. 293); 12 hours of Bible courses; nine hours of designated coursework in air force science, military science, or naval science, except for students enrolled in the Military Leadership minor; 16 hours completed on the pass/fail basis; 39 hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences (including psychology); and 36 hours in any other single college or school of the University. Mathematics courses at the level of college algebra may not count toward elective hours.

## Suggested Arrangement of Courses, Psychology (BSPsy)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
UGS 302 or 303 (Core) <sup>090</sup> , Wr		3 Natural Science and Technology, Part I (Core, General Education) <sup>030</sup>		3 Study Abroad (Opportunity)	

RHE 306 (Core) <sup>010</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>		3 Internship (Opportunity)	
PSY 301 (Core, Major) <sup>080</sup>	3	Lower-division PSY course (Major)		3	
PSY 317L (Core, Major) <sup>020</sup>	3	Natural Science and Technology, Part II (Core, General Education) <sup>093</sup>		3	
Natural Science and Technology, Part I (Core, General Education) <sup>030</sup>	3	Natural Science course (General Education)		2	
<b>15</b>		<b>14</b>		<b>0</b>	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Natural Science course (General Education)	3	PSY 420M (Major) <sup>Wr, QR, II</sup>		4 Study Abroad (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	Natural Science course (General Education)		3 Internship (Opportunity)	
Social Science course (General Education)	3	GOV 312L (Core) <sup>080</sup>		3	
Foreign Language (General Education)	6	Foreign Language (General Education)		6	
<b>15</b>		<b>16</b>		<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division PSY Area I course (Major)	3	Upper-division PSY Area II course (Major)		3 Study Abroad (Opportunity)	
Elective (Major)	3	Elective (Major)		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	Natural Science course (General Education)		3	
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060</sup>		3	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)		3	
<b>15</b>		<b>15</b>		<b>0</b>	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division PSY Area III course (Major)	3	Minor/Certificate course (Major)		3 (None)	
Upper-division PSY course (Major)	3	Cultural Expression, Human Experience, and Thought course (General Education)		3	
Upper-division PSY course (Major)	3	M 408K or 408C (Core, General Education) <sup>020</sup>		4	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Upper-division elective (Elective)		3	
Minor/Certificate course (Major)	3	Upper-division elective (Elective)		3	
		Maymester (Opportunity)			
<b>15</b>		<b>16</b>		<b>0</b>	

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. A certificate counted in place of a minor must meet the minimum requirements for a minor. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

A student who wishes to pursue more than one transcript-recognized minor must obtain permission from the College. In considering whether to grant an exception, the College will consider the student's ability to graduate within four years of entering the university.

### Minors

#### African and African Diaspora Studies Minor

Fifteen semester hours of African and African Diaspora Studies, including:

Requirements	Hours
AFR 303 Introduction to Black Studies	3
AFR 304 Introduction to the Study of Africa	3
One additional course on the subject of the continent of Africa, such as AFR 310K <sup>1</sup>	3
Six hours of upper-division courses in one of the following tracks: <sup>2</sup>	6
Critical Race, Gender, and Sexuality Theories	
Performance, Music, Art, and Literature	
Language, History, and Behavioral and Social Sciences	
Law, Education, Health, and Policy	

1. Full list available from the department

2. Track lists available from the department

#### American Sign Language Minor

by admission only

Student must have completed American Sign Language 610D and demonstrate Intermediate-Low to Intermediate-Mid proficiency following ACTFL speaking guidelines before applying to the minor.

Twenty-one semester credit hours, including the following or their equivalents:

Requirements	Hours
ASL 601D & ASL 610D American Sign Language I: Beginning and American Sign Language II: Beginning	12

ASL 311D American Sign Language III: Intermediate	3
Six hours upper-division American Sign Language	6

Please Note:

Candidates must apply for the ASL minor, and certification of completion of the requirements for the minor will be made by the ASL program director.

#### American Studies Minor

Fifteen semester credit hours, including:

Requirements	Hours
AMS 310 Introduction to American Studies	3
AMS 311S Introductory Seminar in American Studies	3
AMS 355 Main Currents of American Culture to 1865	3
or AMS 356 Main Currents of American Culture since 1865	
AMS 370 Seminar in American Culture	3
Three additional semester credit hours of American studies	3

Please Note:

Must include nine hours of upper-division courses

#### Anthropology Minor

Fifteen semester credit hours, including:

Requirements	Hours
Two of the following courses:	6
ANT 301 Biological Anthropology	
ANT 302 Cultural Anthropology	
ANT 304 Introduction to Archaeological Studies: Prehistoric Archaeology	
ANT 307 Culture and Communication	

Nine additional hours upper-division anthropology

Please Note:

A minimum of nine hours must be completed in residence.

A student must earn a grade point average of at least 2.00 in courses taken at the University and counted toward the minor requirements.

#### Applied Economics Minor

The transcript-recognized Applied Economics Minor allows students not majoring in economics to master an important and useful set of economics concepts and models. The Applied Economics Minor is intended for students who would like to survey topics in economics and who seek an in-depth introduction, at the upper-division level, to how economists reason about various policy issues and economic trends and events. This may be out of interest or because of complementarities with a different major. Any three upper-division courses in economics may be counted toward the Minor in Applied Economics, including those that do not have calculus or microeconomic theory in the prerequisite. Students who have taken or who plan to take microeconomic theory (Economics 420K, 420S, 421K, or Finance 321K) are advised to consider the Economics Minor as an alternative.

To fulfill the requirements of the transcript-recognized Applied Economics Minor, a student must complete at least 15 semester hours of coursework as described below. All of the upper-division economics courses must be taken in residence at The University of Texas at Austin. All courses must be taken on a letter-grade basis. A student may

complete only one of the Economics Minor and the Applied Economics Minor.

The requirements of the transcript-recognized Applied Economics Minor are:

Requirements	Hours
ECO 304K Introduction to Microeconomics	3
ECO 304L Introduction to Macroeconomics	3
Three upper-division ECO courses	9-11

## Arabic Minor

Eighteen semester credit hours in Arabic, consisting of the following or their equivalents:

Requirements	Hours
ARA 601C Intensive Arabic I	6
ARA 611C Intensive Arabic II	6
Six hours upper-division Arabic	6

## Archaeology Minor

Fifteen semester credit hours, including:

Requirements	Hours
ANT 304 Introduction to Archaeological Studies: Prehistoric Archaeology	3
or ANT 304T Introduction to Texas Archaeology	
Three semester credit hours from the following courses:	3
ANT 324L Topics in Anthropology <sup>1</sup>	
ANT 453 Archaeological Analysis	
ANT 353E Archaeological Laboratory Analysis	
ANT 662 Field Archaeology	
ANT 462M Archaeological Techniques	
Nine hours of upper-division courses, chosen from an approved list available in the department office	9

1. Chosen from one of the three following topics: Topic 3: Primitive Technology, Topic 33: Geographical Information Systems and Remote Sensing for Archaeology and Paleontology, or Topic 58: Digital Data Systems in Archaeology

## Asian American Studies Minor

Fifteen semester hours, including:

Requirements	Hours
AAS 301 Introduction to Asian American Studies	3
or AAS 312 Introduction to Asian American History	
Nine hours of upper-division coursework	9
Three additional semester credit hours of Asian American studies	3

## Asian Religions Minor

Fifteen semester hours, including:

Requirements	Hours
R S 310 Introduction to the Study of Religion	3
ANS 301R History of the Religions of Asia	3

Nine hours (at least six upper-division) chosen from an approved list 9

## Bengali

Nineteen semester credit hours, including:

Requirements	Hours
BEN 506 First-Year Bengali I	5
BEN 507 First-Year Bengali II	5
BEN 312K Second-Year Bengali I	3
BEN 312L Second-Year Bengali II	3
Three semester credit hours upper-division Bengali	3

## Chinese Minor

At least 15 semester credit hours Chinese with a minimum grade of C, including:

Requirements	Hours
First-Year Chinese Requirement	6 or 12
CHI 606 First-Year Chinese I & CHI 607 and First-Year Chinese II or CHI 604 Accelerated First-Year Chinese	
Second-Year Chinese Requirement	6 or 12
CHI 312K Second-Year Chinese I & CHI 312L and Second-Year Chinese II or CHI 612 Accelerated Second-Year Chinese	
Three hours upper-division Chinese	3

## Classical Studies Minor

Seventeen semester credit hours, including:

Requirements	Hours
GK 506 First-Year Greek I or LAT 506 First-Year Latin I	5
Twelve hours from the following: <sup>1</sup>	12
Any Classical Civilization course or	
AHC 325 Topics in Ancient History or AHC 378 Undergraduate Seminar in Ancient History	

1. At least six of these hours must be upper-division

## Comparative Literature Minor

Fifteen semester credit hours, including six upper-division hours:

Requirements	Hours
C L 315 World Literature	3
Twelve semester hours of any Comparative Literature course	12

## Core Texts and Ideas Minor

Fifteen semester credit hours, including:

Requirements	Hours
Fifteen hours of Core Texts and Ideas courses <sup>1</sup>	15

1. Must include at least six hours of upper-division courses and at least nine hours in residence

## Creative Writing in Spanish Minor

15 Semester Credit Hours

Requirements	Hours	
SPN 327C	Advanced Grammar and Writing in Context	3
or SPN 327N	Academic Writing for Heritage Speakers	
SPN 328C	Introduction to Literatures and Cultures	3
One elective course in Iberian and/or Latin American Literatures and Cultures		3
Two of the following courses:		6
SPN 357E	Spanish Translation and the Social Sciences	
SPN 358E	Spanish Creative Writing Nonfiction	
SPN 377C	Topics in Spanish (May be repeated for credit when the topics vary)	
SPN 350E	Mediascapes: Literature and Media in the Caribbean	

## Cultural Anthropology Minor

Fifteen semester credit hours, including:

Requirements	Hours	
ANT 302	Cultural Anthropology	3
ANT 305	Expressive Culture	3
Nine upper-division semester credit hours chosen from an approved list		9

## Cultural Expression, Human Experience, and Thought Minor

Fifteen semester credit hours, including:

Requirements	Hours
Fifteen semester credit hours <sup>1</sup>	15
—	

1. Must be chosen from a list of Cultural Expression, Human Experience, and Thought courses and must include six upper-division hours.

## Economics Minor

The transcript-recognized Economics Minor allows students not majoring in economics to master important and useful concepts, models, and analytical skills in economics. Students may focus on analytical skills and quantitative methods by taking theory courses and courses in economic statistics and econometrics; or they may explore a field of economics in some depth. The Economics Minor is intended for students who seek to acquire skills in economics that have a calculus foundation and that utilize microeconomic theory. Students who do not plan to take calculus and microeconomic theory should consider the Minor in Applied Economics.

To fulfill the requirements of the transcript-recognized Economics Minor, students must complete at least 15 semester hours of coursework as described below. All of the upper-division economics courses must be taken in residence at The University of Texas at Austin. All courses must be taken on a letter-grade basis. An approved substitute for Economics 329 may satisfy the prerequisite for Economics 420K, Economics 420S, or 421K, but may not count toward upper-division economics hours

applied to the Economics Minor. A student may complete only one of the Economics Minor and the Applied Economics Minor.

The transcript-recognized Economics Minor requirements are:

Requirements	Hours	
ECO 304K	Introduction to Microeconomics	3
ECO 304L	Introduction to Macroeconomics	3
One of the following:		3-4
ECO 420K	Microeconomic Theory	
ECO 421K	Microeconomic Theory For Business	
ECO 420S	Mathematical Microeconomic Theory with Advanced Applications	
FIN 321K	Intermediate Microeconomics for Business	
Two additional upper-division economics courses, excluding: ECO 420K, 421K, 420S, and FIN 321K		6-7

## English Minor

Fifteen semester credit hours in English, including:

Requirements	Hours
Fifteen semester hours in English <sup>1</sup>	15
Please Note:	
A grade of C- or higher is required in each course counted toward fulfillment of the minor.	
—	

1. Must include at least nine hours of upper-division coursework and nine hours in residence.

## European Studies Minor

Fifteen semester credit hours, including:

Requirements	Hours	
EUS 305	Introduction to European Studies	3
EUS 350	Governments and Politics of Western Europe	3
or GOV 351D	The Theoretical Foundations of Modern Politics	
One of the following courses:		3
EUS 346	Topics in European Anthropology, Geography, History, and Sociology	
EUS 347	Topics in European Culture, Literature, Art, Music, and Media	
EUS 348	Topics in European Economics, Government, Business, and Policy	
Six additional hours of upper-division European Studies Courses		6

## Evolutionary and Functional Anatomy Minor

*by admission only*

Fifteen semester credit hours, including:

Requirements	Hours	
ANT 301	Biological Anthropology	3
Twelve hours from the following courses:		12
ANT 432L	Primate Anatomy	
ANT 348	Human Origins and Evolution	

ANT 348K	Current Topics in Biological Anthropology (Topic 8: Evolutionary Anatomy of the Head and Neck)
ANT 348K	Current Topics in Biological Anthropology (Topic 11: Early Hominid Evolution)
ANT 349C	Human Variation
ANT 350C	Primate Sensory Ecology
ANT 351E	Primate Evolution
ANT 366	Anatomy and Biology of the Human Skeleton

Please Note:

A minimum of nine hours must be upper-division.

A minimum of nine hours must be completed in residence.

A student must earn a grade point average of at least 2.00 in courses taken at the University and counted toward the minor requirements.

## French Studies Minor

Twenty-one semester credit hours, including:

Either:

Requirements	Hours	
FR 601C	Beginning French	6
FR 611C	Intermediate French	6
FR 317C	Enhancing French Skills	3
FR 320E	Advanced French I	3
Three additional semester credit hours of upper-division French		3

Or:

Requirements	Hours	
FR 406 & FR 407	Introductory French I and Introductory French II	8
FR 412K	Intermediate French I	4
FR 317C	Enhancing French Skills	3
FR 320E	Advanced French I	3
Three additional semester credit hours of upper-division French		3

## Geography Minor:

A minimum of 15 hours in Geography, including:

Requirements	Hours	
GRG 301C/401C or GRG 301K	The Natural Environment <sup>1</sup> Weather and Climate	3/4
GRG 305	This Human World: An Introduction to Geography	3
GRG 310C or GRG 460G or GRG 462K	Spatial Data and Analysis Environmental Geographic Information Systems Introduction to Remote Sensing of the Environment	3 or 4
Six additional semester credit hours of upper-division geography		6
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1. Course is GRG 301C now and becomes GRG 401C beginning Fall 2018.

## German, Scandinavian and Dutch Studies Minor

A minimum of 15 hours German, Scandinavian, and Dutch Studies coursework:

Requirements	Hours
Fifteen hours of German, Scandinavian, and Dutch Studies <sup>1</sup>	15
---	

1. Must include at least nine hours of upper-division coursework.

## Global Interreligious Dynamics Minor

Fifteen semester credit hours, including:

Requirements	Hours	
R S 307	Introduction to Interreligious Dynamics	3
R S 375S	Advanced Seminars in Religious Studies	3

Nine additional hours from approved list, including six hours upper-division. 9

## Government Minor

Eighteen semester hours, including:

Requirements	Hours
Eighteen hours of coursework in government <sup>1</sup>	18
---	

1. Must include at least nine hours of upper-division coursework and at least nine hours in residence.

## Greek Minor

At least 19 semester credit hours in Greek, including:

Requirements	Hours	
GK 506 & GK 507	First-Year Greek I and First-Year Greek II	10
GK 311	Intermediate Greek I	3
GK 312K or GK 312L	Intermediate Greek II Intermediate Greek II: Biblical Greek	3
GK 324	Advanced Greek	3

## Hebrew Minor

At least 15 hours of Hebrew, including:

Requirements	Hours	
First-Year Hebrew Requirement	6 or 10	
HEB 506 & HEB 507 or HEB 601C	First-Year Hebrew I and First-Year Hebrew II Intensive Hebrew I	
Second-Year Hebrew Requirement	6 or 8	
HEB 412K & HEB 412L or HEB 611C	Second-Year Hebrew I and Second-Year Hebrew II Intensive Hebrew II	

Three hours upper-division Hebrew 3

## Hindi

At least fifteen semester credit hours, including:

Requirements	Hours
HIN 506 & HIN 507 & HIN 312K & HIN 312L or HIN 604 & HIN 612	12-16
Three semester credit hours upper-division Hindi	3

## History Minor

Fifteen semester credit hours, including:

Requirements	Hours
Fifteen hours of coursework in history <sup>1</sup>	15

1. Must include at least six hours of upper-division.

## Holocaust and Genocide Studies Minor

Fifteen semester credit hours, including six upper-division.

Requirements	Hours
J S 307	3
Introduction to Holocaust and Genocide Studies	
Twelve additional hours from the following courses:	12
AFR 302M	Numbering Race
AFR 360	Race, Law, and United States Society
AMS 321	Studies in American Societies (Topic 4: America and the Holocaust)
AMS 321P	Race And Place
C L 323	Topics in Comparative Literature (Topic 19: Women and the Holocaust)
C L 323	Topics in Comparative Literature (Topic 40: Holocaust Aftereffects)
GOV 360R	Civil Wars and Ethnic Violence
GSD 361L	Anti-Semitism in History and Literature
HIS 322R	Biology, Behavior, and Injustice
HIS 322S	The History of Genetics and Eugenics
HIS 317L	3
Topics in United States History (Topic 8: Introduction to Native American Histories)	
HIS 337N	Germany in the Twentieth Century
HIS 350L	Undergraduate Seminar in History (Topic 56: Germany Since Hitler)
HIS 350L	Undergraduate Seminar in History (Topic 73: Race, Science, and Racism)
HIS 350L	Undergraduate Seminar in History (Topic 79: World War II in Eastern Europe)
HIS 350L	Undergraduate Seminar in History (Topic 83: Writing Violence in History)

HIS 350R	Undergraduate Seminar in United States History (Topic 23: Twentieth-Century Native American History)
HIS 362D	Introduction to the Holocaust
HIS 366N	Topics in History (Topic 15: Anti-Semitism)
J S 304N	Jewish Civilization: 1492 to the Present
L A 320J	Jewish Studies Internship <sup>1</sup>
MAS 374	Special Topics (Topic 35: Race and Citizenship in United States History)

1. The internship must include content related to the minor and must be pre-approved by the Jewish Studies faculty advisor.

## Italian Studies Minor

Eighteen semester credit hours of Italian, including:

Requirements	Hours	
ITL 601C	Beginning Italian	6
ITL 611C	Intermediate Italian	6
ITL 320	Advanced Italian	3
Three additional semester credit hours of upper-division Italian	3	
Please Note:		
Six of the credit hours must be upper-division.		

## Jewish Studies Minor

Fifteen semester credit hours, including:

Requirements	Hours	
J S 304M	Jewish Civilization: Beginnings to 1492	3
or J S 304N	Jewish Civilization: 1492 to the Present	
Twelve additional hours of Jewish studies courses, of which nine must be upper-division. Of these nine hours, three hours must be in humanities and three hours in history and social science.	12	

## Korean Minor

At least 15 semester credit hours Korean, including:

Requirements	Hours
First-Year Korean Requirement	6 or 12
KOR 606 & KOR 607 or KOR 604	First-Year Korean I and First-Year Korean II Accelerated First-Year Korean
Second-Year Korean Requirement	6
KOR 312K & KOR 312L or KOR 612	Second-Year Korean I and Second-Year Korean II Accelerated Second-Year Korean
Three hours upper-division Korean	3

## Language, Culture, and Communication Minor

Fifteen semester credit hours, including:

Requirements		Hours
ANT 302	Cultural Anthropology	3
ANT 307	Culture and Communication	3
Nine upper-division credit hours chosen from an approved list		9

## Latin Minor

Eighteen semester credit hours in Latin, consisting of:

Requirements		Hours
LAT 506 & LAT 507	First-Year Latin I and First-Year Latin II	10
LAT 511K	Accelerated Intermediate Latin	5
LAT 322	Advanced Latin I	3

## Law, Justice, and Society Minor

Eighteen semester credit hours of coursework, consisting of:

Requirements		Hours
Eighteen credit hours chosen from the following: <sup>1</sup>		
Six hours of Government		6
GOV 312P	Constitutional Principles: Core Texts	
GOV 314D	Human Rights Theories and Practices	
GOV 320K	United States Constitutional Development: Structures	
GOV 320N	United States Constitutional Development: Rights	
GOV 331L	Law and Society	
GOV 335D	Natural Law Theory	
GOV 335Q	Global Justice	
GOV 337D	Law and Democracy in Latin America	
GOV 351C	The Classical Quest for Justice	
GOV 357L	Judicial Process and Behavior	
GOV 357M	Topics in Public Law (any topic)	
GOV 365S	Comparative Legal Systems	
GOV 365W	Human Rights and World Politics	
Three hours of Sociology		3
SOC 307D	Capital Punishment in America	
SOC 307T	Punishment and Society	
SOC 318	Juvenile Delinquency	
SOC 321D	Demography of Crime and Punishment	
SOC 323C	Policing	
SOC 325K	Criminology	
SOC 325L	Sociology of Criminal Justice	
SOC 336P	Social Psychology and the Law	
SOC 340D	Violence	
SOC 366	Deviance	
Nine hours from the following:		9
Additional Government courses from the list above.		
Additional Sociology courses from the list above.		
AFR 360	Race, Law, and United States Society	
C C 375	Seminar in Classical Studies (Topic 1: Roman Law)	

CTI 326C	Constitutional Interpretation
EUS 346	Topics in European Anthropology, Geography, History, and Sociology (Topic 4: Law and Society in Early Modern Europe)
HIS 350R	Undergraduate Seminar in United States History (Topic 4: Constitutional Issues in the Twentieth-Century United States)
HIS 355S	United States Constitutional History
LAH 369H	Comparative Legal Systems
PHL 342	Political Philosophy (Topic 1: Natural Law Theory)
PHL 347	Philosophy of Law
R S 358K	Islamic Law
URB 325L	Sociology of Criminal Justice

1. Must include twelve hours of upper-division coursework, at least half of the courses must be completed in residence, and at least one course must be from outside the student's major.

## Lesbian, Gay, Bisexual, Transgender, and Queer/Sexualities Studies Minor

*by admission only*

Fifteen semester-credit hours, including:

Requirements		Hours
WGS 303	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	3
or WGS 305	Introduction to Women's and Gender Studies	
WGS 335	Topics in Lesbian, Gay, Bisexual, Transgender, and Queer Studies	3
Six semester credit hours from the following courses:		6
WGS 335	Topics in Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
An upper-division WGS course		
Another course approved by Research Cluster chair		3

## Malayalam

Nineteen semester credit hours, including:

Requirements		Hours
MAL 506	First-Year Malayalam I	5
MAL 507	First-Year Malayalam II	5
MAL 312K	Second-Year Malayalam I	3
MAL 312L	Second-Year Malayalam II	3
Three semester credit hours upper-division Malayalam		3

## Medieval Studies Minor

Fifteen semester credit hours, including:

Requirements		Hours
Three hours of coursework in literary approaches to the Middle Ages, chosen from an approved list.		3
Three hours of course work in historical approaches to the Middle Ages, chosen from an approved list.		3

Nine additional hours, chosen from either of the above two lists. 9

Please Note:

Must include nine hours upper-division and nine hours in residence.

### Mexican American and Latina/o Studies Minor

Fifteen semester credit hours in Mexican American and Latina/o Studies, including:

Requirements	Hours
MAS 301 Introduction to Mexican American and Latina/o Studies	3

Twelve semester credit hours upper-division Mexican American and Latina/o Studies 12

Please Note: Must include eight hours in residence.

### Middle Eastern Studies Minor

Fifteen semester credit hours, consisting of:

Requirements	Hours
MES 301K Introduction to the Middle East: Religious, Cultural, and Historical Foundations	3
MES 301L Introduction to the Middle East: Adjustment and Change in Modern Times	3
Nine hours of upper-division MES coursework chosen from:	9
MES 341 Topics in the Middle East: Social Science	
MES 342 Topics in the Middle East: Arts and Humanities	
MES 343 Topics in the Middle East: History	

### Military Leadership Minor

Fifteen semester credit hours, including:

Requirements	Hours
Fifteen semester credit hours, chosen from air force science, naval science, and military science <sup>1</sup>	15

1. Must include six upper-division hours in a single field of study

### Persian Minor

At least 15 semester credit hours of Persian, including:

Requirements	Hours
<b>For students new to the Persian language:</b>	
PRS 601C Intensive Persian I	6
PRS 611C Intensive Persian II	6
PRS 322K Intermediate Persian I	3
PRS 329 Topics in Persian Language, Literature, and Culture	3
<b>For heritage speakers of Persian:</b>	
PRS 612C Intensive Persian for Heritage Speakers	6
PRS 322K Intermediate Persian I	3
Six semester credit hours of Persian 329, Topics in Persian Language, Literature, and Culture	6

Please Note:

Must include at least six hours of upper-division courses.

### Philosophy Minor

Fifteen semester hours, including:

Requirements	Hours
Fifteen hours of coursework in philosophy <sup>1</sup>	15

1. Must include at least six hours of upper-division and at least nine hours in residence.

### Philosophy of Law Minor

Eighteen credit hours, including:

Requirements	Hours
PHL 304 Contemporary Moral Problems & PHL 347 Philosophy of Law	6
One of the following courses:	3
PHL 312 Introduction to Logic	
PHL 313 Introductory Symbolic Logic	
PHL 313Q Logic and Scientific Reasoning	
One of the following courses:	3
PHL 318 Introduction to Ethics	
PHL 318K Introduction to Political Philosophy	
Six hours chosen from the following courses:	6
PHL 318 Introduction to Ethics <sup>1</sup>	
PHL 318K Introduction to Political Philosophy <sup>1</sup>	
PHL 322K History of Ethics	
PHL 325D Environmental Ethics and Philosophy	
PHL 325J Health and Justice	
PHL 325K Ethical Theories	
PHL 325L Business, Ethics, and Public Policy	
PHL 325M Medicine, Ethics, and Society	
PHL 325N Organizational Ethics	
PHL 342 Political Philosophy	
PHL 342L Origins of Liberalism	
PHL 342R Philosophy of Race and Gender	

1. If not taken for three hours, above.

### Philosophy of Mind and Language Minor

Fifteen semester credit hours, including:

Requirements	Hours
PHL 332 Philosophy of Language	3
PHL 313 Introductory Symbolic Logic	3
or PHL 313Q Logic and Scientific Reasoning	
PHL 303M Mind and Body	3
or PHL 323M Philosophy of Mind	
Six additional hours chosen from the following courses:	6
PHL 303M Mind and Body <sup>1</sup>	
PHL 323M Philosophy of Mind <sup>1</sup>	
PHL 332M Interpretation and Meaning	
PHL 344K Intermediate Symbolic Logic	



PHL 358	Philosophical Logic
PHL 365	Selected Problems in Philosophy (Topic 2: Introduction to Cognitive Science)
PSY 305	Introduction to Cognitive Psychology
LIN 306	Introduction to the Study of Language
LIN 353N	Natural Language Processing
LIN 372L	Syntax and Semantics: The Structure and Meaning of Utterances

1. If not taken above.

## Portuguese Minor

The Transcript-Recognized Portuguese Minor requires students to take 18 hours through the Spanish and Portuguese Department at The University of Texas at Austin or an accredited institution with the Study Abroad Office. At least nine hours should be categorized as in-residence.

Either:

Requirements	Hours	
POR 610D	First-Year Portuguese II	6
POR 311C	Portuguese Conversation and Culture	3
POR 314C	Intermediate Writing and Grammar in Context	3

One of the following: 3

POR 327C	Advanced Grammar and Writing in Context	
POR 328C	Introduction to Literatures and Cultures	
POR 330L	Introduction to Language and Linguistics in Society	

Three additional hours of upper-division coursework in Portuguese 3

Or:

Requirements	Hours	
POR 610S	Portuguese for Spanish Speakers I	6
POR 311J	Portuguese Conversation and Culture for Spanish Speakers	3
POR 314J	Intermediate Writing and Grammar for Spanish Speakers	3

One of the following: 3

POR 327C	Advanced Grammar and Writing in Context	
POR 328C	Introduction to Literatures and Cultures	
POR 330L	Introduction to Language and Linguistics in Society	

Three additional hours of upper-division coursework in Portuguese 3

## Primateology Minor

by admission only

Fifteen credit hours, including:

Requirements	Hours	
ANT 301	Biological Anthropology	3
Twelve hours from the following courses: 12		
ANT 310L	Introductory Topics in Anthropology (A list of approved topics is available from the Anthropology Academic Advisor)	
ANT 432L	Primate Anatomy	
ANT 346L	Primate Social Behavior	
ANT 346M	Comparative Primate Ecology	
ANT 347C	Methods in Primate Biology	
ANT 348K	Current Topics in Biological Anthropology (Topic 10: Primate Conservation)	
ANT 348K	Current Topics in Biological Anthropology (Topic 12: Sex and Human Nature)	
ANT 350C	Primate Sensory Ecology	
ANT 351E	Primate Evolution	

Please Note:

A minimum of nine hours must be upper-division.

A minimum of nine hours must be completed in residence.

A student must earn a grade point average of at least 2.00 in courses taken at the University and counted toward the minor requirements.

## Religious Studies Minor

Students may not earn a minor in the same field of study as their major, and at least nine of the hours required for the minor must include coursework not used to satisfy the requirements of the student's major. However, courses in the minor may fulfill other degree requirements such as general education requirements or required elective hours.

Requirements	Hours	
R S 310	Introduction to the Study of Religion	3

Twelve hours of coursework from an approved list 12

Please Note:

Must include at least six hours of upper-division coursework.

Fifty percent of coursework must be taken in residence.

Specified coursework cannot include unnumbered topics.

## Rhetoric and Writing Minor

Fifteen hours, including:

Requirements	Hours	
RHE 321	Principles of Rhetoric	3
One of the following courses: 3		
RHE 330C	Advanced Studies in Digital Rhetoric	
RHE 330D	History of Rhetoric	
RHE 330E	Rhetorical Theory and Analysis	
One of the following upper-division courses: 3		
RHE 330C	Advanced Studies in Digital Rhetoric	
RHE 330D	History of Rhetoric	
RHE 330E	Rhetorical Theory and Analysis	

RHE 325M	Advanced Writing
RHE 328	Topics in Professional and Technical Writing for Liberal Arts Majors
RHE 360M	Rhetoric and Writing for Teachers of English
RHE 368E	Editing for Publication
Two additional courses, either upper-division (see list above) or lower-division (see list below):	6
RHE 309J	Topics in Writing
RHE 309S	Critical Reading and Persuasive Writing
RHE 310	Intermediate Expository Writing
RHE 312	Writing in Digital Environments
RHE 315	Introduction to Visual Rhetoric
RHE 317	Technical Writing

Please Note:

Must include at least nine hours of upper-division coursework

## Russian Minor

At least 15 semester credit hours in Russian, including:

Requirements	Hours
RUS 506 & RUS 507 or RUS 601C	First-Year Russian I and First-Year Russian II Intensive Russian I 6-10
RUS 412K & RUS 412L or RUS 611C	Second-Year Russian I and Second-Year Russian II Intensive Russian II 6-8

Please Note:

Must include three hours of upper-division coursework.

## Russian, East European, and Eurasian Studies Minor

Fifteen credit hours, including:

Requirements	Hours
REE 301	Introduction to Russian, East European, and Eurasian Studies 3
REE 301L	Introduction to Russian Literature 3
REE 325	Topics in Language, Literature, and Culture 3
Six additional semester hours of upper-division coursework in Russian, East European, and Eurasian Studies	6

## Sanskrit Minor

Nineteen semester credit hours, including:

Requirements	Hours
SAN 506	First-Year Sanskrit I 5
SAN 507	First-Year Sanskrit II 5
SAN 312K	Second-Year Sanskrit I 3
SAN 312L	Second-Year Sanskrit II 3
Three semester credit hours upper-division Sanskrit	3

## Slavic and Eurasian Languages Minor

The Slavic language minor is for students wishing to pursue the study of Bosnian-Croatian-Serbian, Czech, Polish (or another Slavic or Eurasian language, such as Ukrainian) at intermediate and advanced levels.

Requirements	Hours
<b>For Bosnian-Croatian-Serbian:</b>	
S C 506	First-Year Bosnian/Croatian/Serbian I 5
S C 507	First-Year Bosnian/Croatian/Serbian II 5
S C 312K & S C 312L	Second-Year Bosnian/Croatian/Serbian I and Second-Year Bosnian/Croatian/Serbian II 6
S C 325	Third-Year Bosnian/Croatian/Serbian I 3
<b>For Czech:</b>	
CZ 506	First-Year Czech I 5
CZ 507	First-Year Czech II 5
CZ 412K & CZ 412L	Second-Year Czech I and Second-Year Czech II 8
CZ 325	Third-Year Czech I 3
<b>For Polish:</b>	
POL 506	First-Year Polish I 5
POL 507	First-Year Polish II 5
POL 312K & POL 312L	Second-Year Polish I and Second-Year Polish II 6
POL 325	Third-Year Polish I 3
<b>Other Slavic and Eurasian Languages:</b>	
SEL 506	First-Year Slavic and Eurasian Languages I 5
SEL 507	First-Year Slavic and Eurasian Languages II 5
SEL 312K & SEL 312L	Second-Year Slavic and Eurasian Languages I and Second-Year Slavic and Eurasian Languages II 6
or SEL 611C	Intensive Slavic and Eurasian Languages II
Three hours of upper-division coursework in Slavic and Eurasian Languages	3

## Social and Behavioral Sciences Minor

Fifteen semester credit hours, including:

Requirements	Hours
Fifteen semester credit hours, including six upper-division <sup>1</sup>	15
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1. Must be in at least two but no more than three fields of study in the social and behavioral sciences.

## Sociology Minor

Fifteen semester hours, including:

Requirements	Hours
SOC 302	Introduction to the Study of Society 3
Twelve additional hours of sociology coursework	12

Please Note:

At least six hours must be upper-division coursework.

Nine of the required semester hours must be taken in residence.

## Spanish Minor

Eighteen semester credit hours, including:

Requirements	Hours
SPC 320C Topics in Iberian or Latin American Studies	3
One of the following:	3
SPN 327C Advanced Grammar and Writing in Context	
or SPN 327N Academic Writing for Heritage Speakers	
One of the following:	3
SPN 328C Introduction to Literatures and Cultures	
or SPN 330L Introduction to Language and Linguistics in Society	
Nine additional semester credit hours of upper-division coursework in Spanish	9

## Tamil Minor

At least fifteen semester credit hours, including:

Requirements	Hours
TAM 506 & TAM 507 & TAM 312K & TAM 312L or TAM 604 & TAM 612	12-16
First-Year Tamil I and First-Year Tamil II and Second-Year Tamil I and Second-Year Tamil II	
Accelerated First-Year Tamil and Accelerated Second-Year Tamil	
Three semester credit hours upper-division Tamil	3

## Turkish Minor

Between 15 and 21 hours of Turkish, including:

Requirements	Hours
TUR 506 & TUR 507 or TUR 601C	6-10
First-Year Turkish I and First-Year Turkish II	
Intensive Turkish I	
TUR 412K & TUR 412L or TUR 611C	6-8
Second-Year Turkish I and Second-Year Turkish II	
Intensive Turkish II	
Three hours upper-division Turkish	3

## Urdu Minor

At least fifteen semester credit hours, including:

Requirements	Hours
URD 506 & URD 507 & URD 312K & URD 312L or URD 604 & URD 612	12-16
First-Year Urdu I and First-Year Urdu II and Second-Year Urdu I and Second-Year Urdu II	
Accelerated First-Year Urdu and Accelerated Second-Year Urdu	
Three semester credit hours upper-division Urdu	3

## UTeach-Liberal Arts Minor

by admission only

The University recommends students for teacher certification to TEA. To be recommended for a certificate to teach in secondary school, an undergraduate student must earn a degree as well as complete an approved teacher certification program, of which the coursework below is only a part.

### Admissions Requirements

- The UTeach-Liberal Arts undergraduate program requires at least a four long-semester commitment.
- The program is open to current undergraduates at The University of Texas at Austin and incoming transfer students.
- Students are eligible to enter the program second semester freshman year through senior year.
- Admission to UTeach-Liberal Arts requires a minimum overall GPA of 2.5 at the University.

### Application Process

- Complete the UTeach-Liberal Arts Undergraduate Program Application. Our Program Advisor will notify you about your admissions status via email within 5-10 business days of your application submission.
- Once Admitted, you will receive instructions on how to reserve a spot for UTL 101 "Introduction to Teaching", the first UTeach course.

Once you have reserved a spot, you may register for the course during your normal registration access period. Failure to register for your spot will result in losing your reservation in UTL 101.

Fifteen semester hours of required UTeach coursework must be completed as follows:

Requirements	Hours
UTL 101 Introduction to the Teaching Profession	1
UTL 202 Introduction to Teaching in the Middle School	2
EDP 350G Adolescent Development	3
Six hours chosen from:	6
UTL 640 Teaching in Secondary Schools (LOTE)	
UTL 640 Teaching in Secondary Schools (English)	
UTL 640 Teaching in Secondary Schools (Social Studies)	
Three hours chosen from:	3
ALD 322 Individual Differences (SEC)	
ALD 322 Individual Differences	

### Please Note:

Coursework for the UTeach-Liberal Arts program is dictated by the State Coordinating Board for Higher Education and the State Board for Educator Certification, not by University catalogs. Therefore, changes in requirements may be independent of major and university requirements and may take place at any time.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Women's and Gender Studies Minor

by admission only

Fifteen credit hours, including:

Requirements	Hours
One of the following courses:	3
WGS 301 Introductory Topics in Women's and Gender Studies	
WGS 303 Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
WGS 305 Introduction to Women's and Gender Studies	
WGS 340 Cross-Cultural Topics in Women's and Gender Studies	3
WGS 340 Cross-Cultural Topics in Women's and Gender Studies (Different WGS 340 topic from that counted above, or other upper-division course in Women's and Gender Studies)	3
WGS 350 Feminist Theory (or other upper-division courses in Women's and Gender Studies)	3
Three additional hours of Women's and Gender Studies	3

## Certificates

The College of Liberal Arts offers several certificate programs, which are open to all degree-seeking University undergraduates. Undergraduates who complete certificate requirements in conjunction with their degree requirements or within one year after earning the degree receive recognition on the University transcript; students in integrated undergraduate/graduate programs must complete certificate requirements within one year after they complete their undergraduate degree requirements. A maximum of nine semester hours of certificate coursework may be taken after the student has earned the undergraduate degree. At least half of the required certificate coursework must be completed in residence at the University; some programs may require more work in residence.

Students may not earn a certificate in the same field as their major, and may not count the certificate towards their minor requirement if more than six hours of the certificate's coursework may also be counted toward the requirements of the major. However, certificate courses outside the major may be counted toward other degree requirements. For certificates not counting toward the minor requirement, at least one certificate course must be outside the requirements of the major.

Students should apply for the certificate when they apply for graduation or when they complete the certificate program, whichever is later. Transcript recognition is awarded at the end of that semester or summer session.

Students outside the College of Liberal Arts should contact their dean's office for permission to complete a certificate program and for the applicability of certificate requirements toward their individual degrees. Students in the College of Liberal Arts may complete certificate programs offered through other colleges. These are described in [Transcript-Recognized Certificate Programs](#) (p. 14) and by each college that offers a transcript-recognized certificate program. Certificate programs that do not lead to transcript recognition are also described in the respective college's catalog section.

## African Studies Certificate

The African Studies Certificate allows students to engage with scholarship on African peoples, cultures, and history through the theoretical lens of black studies. Through the certificate, undergraduates develop interdisciplinary expertise in African studies related to the student's personal field of interest. The African and African Diaspora Studies undergraduate advisor (AADS) is available to steer certificate candidates towards areas of interest, which can include: expressive cultures, gender and sexuality studies, literature, language, history, politics, and society as these topics relate to theories of blackness on the African continent.

The certificate program requires 18 semester hours of coursework, including at least nine semester hours completed in residence.

Courses the student has completed at the time of application to the program may be counted toward the certificate. Students may not earn a certificate in the same field of study as their major and at least one course counting toward this certificate must be taken outside of the requirements of the student's undergraduate degree. Students apply for transcript-recognized undergraduate academic certificates at the time they complete their undergraduate degree or the certificate program, whichever comes later. Transcript recognition is awarded at that time.

Students must fulfill the following requirements:

Requirements	Hours
AFR 304 Introduction to the Study of Africa <sup>1</sup>	3
AFR 310K Introduction to Modern Africa <sup>1</sup>	3
Twelve additional semester hours (upper- or lower-division) chosen from courses on an approved list or with prior approval from AADS <sup>2</sup>	12

Please Note:

The student must earn a grade of at least C in each of the courses taken to fulfill the African Studies Certificate requirements.

Each semester, the list of approved courses that meet the requirements above is available in the Department of African and African Diaspora Studies undergraduate advising office.

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1. Or an alternative course taken with approval from AADS.
2. One of the courses must carry a writing flag from the School of Undergraduate Studies and/or place an emphasis on research and writing, such as African and African Diaspora Studies 372G or an alternative course taken with approval from AADS

## Business Spanish Certificate

Between 18 and 24 semester credit hours of Spanish, consisting of:

Requirements	Hours
<b>For non-heritage speakers:</b>	
SPN 601D First-Year Spanish I	6
SPN 610D First-Year Spanish II	6
SPN 311 Intermediate Spanish	3
SPN 314 Spanish Conversation and Culture	3
SPN 327C Advanced Grammar and Writing in Context	3
or SPN 327N Academic Writing for Heritage Speakers	

SPN 367D	Business in Hispanic Life and Culture	3	Six additional semester credit hours of CTI coursework or other courses chosen from a list of approved electives.	6
<b>Requirements</b>			<b>Hours</b>	
<b>For heritage speakers:</b>				
SPN 604	Accelerated Introductory Spanish for Heritage Learners	6		
SPN 311J	Intermediate Spanish for Heritage Learners	3		
SPN 314J	Writing and Culture in Context for Heritage Learners	3		
SPN 327C	Advanced Grammar and Writing in Context	3		
or SPN 327N	Academic Writing for Heritage Speakers			
SPN 367D	Business in Hispanic Life and Culture	3		

## Computational Science and Engineering Certificate

The Computational Science and Engineering Certificate program is sponsored by the Cockrell School of Engineering, the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences; it is administered by the Oden Institute for Computational Engineering and Sciences. Information regarding the specific requirements of the Certificate can be found in the Cockrell School of Engineering's [Minor and Certificates](#) (p. 197) section of the Undergraduate Catalog.

## Core Texts and Ideas Certificate

The certificate program in core texts and ideas is designed to provide a coherent path through the University's core curriculum with an integrated, interdisciplinary sequence of courses on great works of philosophy, literature, science, and the arts that emphasizes debates about fundamental questions of enduring human concern. The program provides a grounding in the major ideas that have shaped the Western world and gives students the opportunity to study Eastern works as well. Students complete courses in four required areas and two elective areas. The four required areas are the philosophy and literature of the ancient world, especially Greece; major religious texts and their interpreters; the history of political philosophy; and the principles that formed the basis for the founding of the United States. Elective areas include philosophy, the arts, history, literature, and the history and philosophy of science and mathematics.

The certificate program requires 18 semester hours of coursework, including at least six hours of upper-division coursework and at least 12 hours completed in residence. Students must fulfill the following requirements:

Requirements	Hours
The requirements of an undergraduate major	
The following 12 semester hours of coursework or approved alternatives as listed on the CTI Certificate Plan: <sup>1</sup>	12
CTI 301G	Introduction to Ancient Greece
CTI 302	Classics of Social and Political Thought
CTI 304	World Religions: Traditions and Texts
GOV 312P	Constitutional Principles: Core Texts

Please Note:  
All courses must be taken on the letter-grade basis.

1. The Certificate Plan and list of approved electives for each semester are available from the academic advisor in the Thomas Jefferson Center for the Study of Core Texts and Ideas.

## Creative Writing Certificate

The Creative Writing Certificate is intended for any University student interested in advanced study of creative writing, both as reader and as writer. Those who plan to pursue the certificate should apply to the program advisor for admission no later than the end of their sophomore year. More information about the Creative Writing Certificate is given at the [Department of English website](#).

The certificate program requires 18 semester hours of coursework, including at least nine hours completed in residence. Students must fulfill the following requirements:

Requirements	Hours
The requirements of an undergraduate major	
Six semester hours of coursework from English, theatre and dance, or radio-television-film.	6
One of the following courses:	3
CRW 315D	Playwriting I
CRW 325F	Fiction Writing
CRW 325M	Creative Writing
CRW 325P	Poetry Writing
One of the following courses:	3
CRW 340D	Playwriting II
CRW 340F	Short Story Workshop
CRW 340P	Poetry Workshop
CRW 660A	Intensive Creative Writing (Part A)
One of the following courses:	3
CRW 355D	Playwriting III
CRW 355F	Advanced Fiction Workshop
CRW 355P	Advanced Poetry Workshop
CRW 660B	Intensive Creative Writing (Part B)
Three additional hours of coursework chosen from a list of approved courses available from the program advisor	3
<b>Please Note:</b>	
The student must earn a grade of at least C- in each course taken to fulfill the Creative Writing Certificate requirements.	

## Honors Option

To earn an Honors Creative Writing Certificate, students must fulfill the following additional requirements:

- Creative Writing 370H, *Honors Creative Writing Project*, with a grade of at least A-
- A University Grade Point Average (GPA) of at least 3.66 in the coursework required for the Creative Writing Certificate and a cumulative University GPA of at least 3.33.

## Digital Humanities Certificate

The digital humanities represent the area of study where humanities disciplines and studies in information engage digital tools, archives, artifacts, and information technologies. This certificate is designed to introduce students to the ideas, materials, and computational tools that underlie this field. It is open to students of all majors. Those who plan to pursue the certificate should apply to the program advisor for admission no later than the end of their sophomore year. More information about the Digital Humanities Certificate is given at the [College of Liberal Arts Digital Humanities website](#).

Students take 18 credit hours from a selection of courses taught in different departments and colleges at The University of Texas at Austin and must earn a letter grade of C- or better in all courses required for certification. Some courses required by the certificate may also fulfill degree requirements established by a student's major department.

Students must fulfill the following requirements:

Requirements	Hours
Introduction to Digital Studies, or other approved course	3
E 310D Introduction to Digital Studies	
Three hours of coursework in a methods-based course, such as	3
AET 323C Screen Scoring	
AET 325C Introduction to 2D Animation	
ART 318C Transmedia: Digital Time-Art I	
ART 338C Transmedia: Digital Time-Art II	
ART 358C Transmedia: Digital Time-Art III	
I 320C Topics in Cultural Heritage Informatics (any topic)	
J 339T Topics in Specialized Journalistic Skills (Topic 1: Mapping in Storytelling)	
MUS 319D Foundations of Digital Sound and Music	
MUS 329J Introduction to Computer Music	
RHE 330C Advanced Studies in Digital Rhetoric (Topic 7: Digital Storytelling)	
RHE 330C Advanced Studies in Digital Rhetoric (Topic 8: Writing with Sound)	
Or other courses from an approved list.	
Nine hours of coursework in digital humanities and informatics topics, such as	9
CMS 341 Digital Communications	
CMS 348K Visual Media and Interaction	
I 301 Introduction to Informatics	
I 303 Ethical Foundations for Informatics	
I 310C Introduction to Cultural Heritage Informatics	
I 310U Introduction to User Experience Design	
I 320 Topics in Informatics (Topic 1: Information in Cyberspace)	
I 320 Topics in Informatics (Topic 3: Comics, Graphic Novels, and Manga)	

I 320C	Topics in Cultural Heritage Informatics
J 336F	Social Media Journalism
J 355F	Living in the Information Age
MUS 329E	Introduction to Electronic Media
RHE 309J	Topics in Writing (approved topics)
RHE 330C	Advanced Studies in Digital Rhetoric (Topic 6: Networked Writing)
RHE 330C	Advanced Studies in Digital Rhetoric (Topic 9: Digital Self and Rhetoric)
RTF 326C	Tech Culture
RTF 331P	Topics in New Communication Technologies (Topic 3: Internet Cultures)
Or other courses from an approved list.	
A three-hour capstone course involving project-based Digital Humanities work	3
UGS 320K	Undergraduate Research Experience
UGS 320L	Undergraduate Research Experience
Or other courses from an approved list. <sup>1</sup>	

Please Note:

At least twelve hours of course credit towards the certificate must be completed before the capstone course can be counted towards the certificate. Each semester, the list of approved courses that meet the requirements above is available in the Department of English's undergraduate advising office and online at the College of Liberal Arts Digital Humanities website.

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1. Such as an approved Departmental Honors Program Honors Tutorial Course as listed on the College of Liberal Arts undergraduate Academic Policies and Procedures website at <http://catalog.utexas.edu/undergraduate/liberal-arts/academic-policies-and-procedures/>

## German Certificate

At least 18 semester credit hours in German, including:

Requirements	Hours
Eighteen hours of German coursework <sup>1</sup>	18
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1. At least six of which must be upper-division hours.

## History and Philosophy of Science Certificate

The History and Philosophy of Science Certificate provides students an opportunity to gain a coherent, cross-disciplinary command of the methods and findings that the liberal arts have contributed to our understanding of the sciences. Students analyze the dynamic development, concepts, and roles in society of various sciences, as well as the personal, dramatic struggles of famous scientists. Students must complete four courses in two required areas: history of science, and philosophy of science, as well two electives to be selected from a list of pre-approved courses in history, philosophy, astronomy, physics, or core texts and ideas.

The certificate program requires 18 semester hours of coursework, of which at least 12 semester hours of coursework must be upper-division, and including at least nine semester hours completed in residence.

Courses the student has completed at the time of application to the program may be counted toward the certificate. Students apply for transcript-recognized undergraduate academic certificates at the time they complete their undergraduate degree or the certificate program, whichever comes later. Transcript recognition is awarded at that time. More information is available at the Certificate on History and Philosophy of Science website: <http://liberalarts.utexas.edu/hps/index.php>

Students must fulfill the following requirements:

Requirements	Hours
Six semester credit hours chosen from the following courses:	6
HIS 322D The Scientific Revolution of the Seventeenth Century	
HIS 322M History of Modern Science	
HIS 322G History of the Modern Life Sciences	
HIS 329P History of the Atomic Bomb	
HIS 350L Undergraduate Seminar in History (Topic 32: The Galileo Affair)	
HIS 350L Undergraduate Seminar in History (Topic 64: Einstein in the Age of Conflict)	
PHL 313 or PHL 363 Introductory Symbolic Logic Scientific Method	3
One of the following courses:	
PHL 316K Science and Philosophy	
PHL 322 Science and the Modern World	
PHL 363L Topics in Philosophy of Science	

Six additional semester credit hours, chosen from an approved list

Please Note:

Each semester, the list of approved courses that meet the requirements above is available in the Department of History undergraduate advising office.

## Ibero-American Cultural Diversity Certificate

Eighteen semester credit hours, consisting of:

Requirements	Hours
Six hours chosen from the following courses:	6
SPC 320C Topics in Iberian or Latin American Studies (Topic 1: Jewish Voices from Latin America)	
SPC 320C Topics in Iberian or Latin American Studies (Topic 2: Mediascapes: Literature and Media in the Caribbean)	
Three hours chosen from one of the following courses:	3
PRC 320E Topics in Brazilian Studies (Topic 2: Global Brazil: Immigration and Diaspora in Brazilian Culture)	
PRC 320E Topics in Brazilian Studies (Topic 3: Afro-Luso-Brazilian Worlds)	
Nine additional semester credit hours, chosen from an approved list	9

## Indigenous Studies Certificate

The main goal of the indigenous studies certificate program is to encourage active intellectual and community engagement with indigenous peoples and cultures. The program allows undergraduate students to develop interdisciplinary expertise in indigenous studies and comparative approaches to their primary field of interest.

Courses the student has completed at the time of application to the program may be counted toward the certificate. Upon completion of the course requirements, students write a three- to four-page essay that describes their intellectual work in the program and how the experience contributed to their academic career at the University.

The certificate program requires 18 semester hours of coursework, including at least nine semester hours completed in residence. Students must fulfill the following requirements:

Requirements	Hours
The requirements of an undergraduate major	
Three semester hours in a lower-division introductory or foundational course with indigenous studies content, such as:	3
E 314V Introduction to Literature and Culture (Topic 5: Native American Literature and Culture)	
HIS 317L Topics in United States History (Topic 8: Introduction to Native American Histories)	

Or other courses from an approved list

Three semester hours (one course) from a list of approved upper-division capstone courses with 100% content related to Native American and indigenous studies	3
Twelve semester hours (four courses) of classes with at least 30% content related to Native American and Indigenous Studies. <sup>1</sup>	12

Please Note:

Students will be given the opportunity to enroll in a 3-hour conference course that allows students to work with issues in Indigenous Texas or the Southwest. This course can count toward the above 12-hour requirement.

Each semester a list of approved courses that meet the requirements above is available on the website of the Native American and Indigenous Studies Program: <https://liberalarts.utexas.edu/nais/>.

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1. At least nine hours must be from upper-division courses. At least six hours must be taken in a field of study outside the student's major department.

## Japanese Certificate

Twenty-four semester credit hours, consisting of the following (or their equivalents):

Requirements	Hours
JPN 601D Japanese I	6
JPN 610D Japanese II	6
JPN 611D Intermediate Japanese	6

JPN 317C	Japanese Grammar, Composition, and Conversation	3
Three hours upper-division Japanese		3

## Lesbian, Gay, Bisexual, Transgender, and Queer/Sexualities Studies Certificate

The certificate program requires 18 semester hours of coursework, including at least nine semester hours completed in residence.

Courses the student has completed at the time of application to the program may be counted toward the certificate. Students apply for transcript-recognized undergraduate academic certificates at the time they complete their undergraduate degree or the certificate program, whichever comes later. Transcript recognition is awarded at that time.

Students must fulfill the following requirements:

Requirements	Hours
WGS 303 Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	3
or WGS 305 Introduction to Women's and Gender Studies	
Six hours in the following course:	6
WGS 335 Topics in Lesbian, Gay, Bisexual, Transgender, and Queer Studies <sup>1</sup>	
Nine additional upper-division semester hours chosen from the following courses: <sup>2</sup>	9
WGS 335 Topics in Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
An upper-division WGS course	
Another course approved by LGBTQ/Sexualities Research Cluster chair <sup>3</sup>	

Please Note:

Each semester, the list of approved courses that meet the requirements above is available in the Center for Women's and Gender Studies undergraduate advising office. The list of courses known as the "Pink Book" is published on the Women's and Gender Studies website.

The student must earn a grade of at least a C in each of the courses taken to fulfill the LGBTQ/Sexualities Studies certificate requirements

1. Choose any two topics from this course.
2. At least three of these hours must be taken from outside the student's major field of study.
3. See the listings in the Pink Book for suggested courses.

## Security Studies Certificate

The Certificate in Security Studies recognizes students who focus their studies on international and national security affairs. Through the certificate, students develop an interdisciplinary expertise and practical job experience in security studies, including: diplomacy, defense, intelligence, foreign policy, homeland security, international affairs, international development, human rights, war, conflict, peace, and related fields. Students are required to take 18 credit hours on a letter-grade basis, earning a combined 3.0 or higher grade point average across at least two different departments, including at least nine completed in residence, and complete an internship in a field related to security studies.

This certificate is open to students in the College of Liberal Arts.

Requirements	Hours
GOV 360D International Security	3
--- Fifteen additional credit hours total chosen from at least two different departments, drawn from	
ANS 322M Politics in China	3
GOV 337C The Politics of Mexico	3
GOV 347K Governments and Politics of South Asia	3
GOV 360D International Security	3
GRG 327 Geography of the Former Soviet Union	3
HIS 343M History of Russia since 1917	3
HIS 350L Undergraduate Seminar in History (Topic 59: Stalin's Russia at War)	3
IRG 320F Foundations of International Relations and Global Studies	3
M E 337G Nuclear Safety and Security	3

or from a list available on the certificate's website

Internship:

Students must successfully complete an internship.

- Students are responsible for identifying internship opportunities, applying for internships, informing the Faculty Committee of their internship plans, submitting a proposal for an internship to satisfy the certificate requirement, and submitting proof that the internship was completed.
- Internships must involve substantive work that exposes students to the professional work environment and offers opportunities for networking in their chosen career fields.
- Internships may be with government agencies, think tanks, NGOs, research centers, consulting firms, or other entities that offer professional job experience.
- Internships may be in the fields of diplomacy, defense, intelligence, foreign policy, national security, homeland security, international affairs, international development, human rights, and related fields.
- The Faculty Committee reviews students' internship experience to ensure it is relevant to security studies and was satisfactorily completed.
- Internships must last a minimum of six weeks of full-time work, or its equivalent (240 hours).
- Internships may be in the United States or abroad.
- Internships may be paid or unpaid.
- Students who accept unpaid internships are invited to apply for a stipend through the Clements Center for National Security's Summer Student Development Fund. Funds are limited and stipends are not guaranteed for certificate students.
- Students must successfully complete an internship as part of this program. The Faculty Committee reviews students' internship experience to ensure it is relevant to security studies and was satisfactorily completed. Internship student responsibilities and requirements are published on our website, <http://clementscenter.org/programs/seay-partnership-in-history-strategy-and-statecraft/item/864-undergraduate-certificate-in-security-studies>. Students should review all published information and consult with their advisor to ensure completion of the internship requirement

Waivers: Students may waive the internship requirement if they are enrolled in ROTC; have prior military experience with no major disciplinary actions against them; or have extensive prior civilian job



experience directly related to security studies. The Faculty Committee reviews applications to waive the internship requirement.

## Spanish for Medical Professions Certificate

Between 18 and 24 semester credit hours of Spanish, consisting of:

Requirements		Hours
<b>For non-heritage speakers:</b>		
SPN 601D	First-Year Spanish I	6
SPN 610D	First-Year Spanish II	6
SPN 311	Intermediate Spanish	3
SPN 314	Spanish Conversation and Culture	3
SPN 327C	Advanced Grammar and Writing in Context	3
or SPN 327N	Academic Writing for Heritage Speakers	
SPN 367C	Spanish for Health Care Professions	3

Requirements		Hours
<b>For heritage speakers:</b>		
SPN 604	Accelerated Introductory Spanish for Heritage Learners	6
SPN 311J	Intermediate Spanish for Heritage Learners	3
SPN 314J	Writing and Culture in Context for Heritage Learners	3
SPN 327C	Advanced Grammar and Writing in Context	3
or SPN 327N	Academic Writing for Heritage Speakers	
SPN 367C	Spanish for Health Care Professions	3

## Courses, College of Liberal Arts

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the college level: [Cognitive Science \(CGS\)](#), [Core Texts and Ideas \(CTI\)](#), [Health and Society \(HS\)](#), [Human Dimensions of Organizations \(HDO\)](#), [Humanities \(HMN\)](#), [International Relations and Global Studies \(IRG\)](#), [Language Teaching Coordination \(LTC\)](#), [Liberal Arts \(LA\)](#), [Liberal Arts Honors \(LAH\)](#), and [UTeach-Liberal Arts \(UTL\)](#).

For courses offered by each department within the College of Liberal Arts, please see the corresponding department page in the following sections.

## Courses, Department of African and African Diaspora Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of African and African Diaspora Studies: [African and African Diaspora Studies \(AFR\)](#), [Swahili \(SWA\)](#), and [Yoruba \(YOR\)](#).

## Courses, Department of American Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of American Studies: [American Studies \(AMS\)](#).

## Courses, Department of Anthropology

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Anthropology: [Anthropology \(ANT\)](#) and [Science, Technology, and Society \(STS\)](#).

## Courses, Department of Asian Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Asian Studies: [Asian Studies \(ANS\)](#), [Bengali \(BEN\)](#), [Chinese \(CHI\)](#), [Hindi \(HIN\)](#), [Japanese \(JPN\)](#), [Korean \(KOR\)](#), [Malayalam \(MAL\)](#), [Sanskrit \(SAN\)](#), [South Asian Languages \(SAL\)](#), [Tamil \(TAM\)](#), [Telugu \(TEL\)](#), [Urdu \(URD\)](#).

## Courses, Department of Classics

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Classics: [Ancient History and Classical Civilization \(AHC\)](#), [Classical Civilization \(CC\)](#), [Greek \(GK\)](#), and [Latin \(LAT\)](#).

## Courses, Program in Comparative Literature

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Program in Comparative Literature: [Comparative Literature \(CL\)](#).

## Courses, Américo Paredes Center for Cultural Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Américo Paredes Center for Cultural Studies: [Cultural Studies \(CLS\)](#).

## Courses, Department of Economics

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Economics: [Economics \(ECO\)](#).

## Courses, Department of English

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of English: [Creative Writing \(CRW\)](#) and [English \(E\)](#).

## Courses, Center for Asian American Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Center for Asian American Studies: [Asian American Studies \(AAS\)](#) and [Race, Indigeneity, and Migration \(RIM\)](#).

## Courses, Center for European Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Center for European Studies: [European Studies \(EUS\)](#).

## Courses, Department of French and Italian

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of French and Italian: [French \(FR\)](#), [French Civilization \(F C\)](#), [Italian \(ITL\)](#), and [Italian Civilization \(ITC\)](#).

## Courses, Department of Geography and the Environment

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Geography and the Environment: [Geography \(GRG\)](#), [Sustainability Studies \(SUS\)](#), and [Urban Studies \(URB\)](#).

## Courses, Department of Germanic Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Germanic Studies: [Danish \(DAN\)](#), [Dutch \(DCH\)](#), [German \(GER\)](#), [German, Scandinavian, and Dutch Studies \(GSD\)](#), [Norwegian \(NOR\)](#), [Swedish \(SWE\)](#), and [Yiddish \(YID\)](#).

## Courses, Department of Government

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Government: [Government \(GOV\)](#).

## Courses, Department of History

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of History: [History \(HIS\)](#).

## Courses, Schusterman Center for Jewish Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Schusterman Center for Jewish Studies: [Jewish Studies \(J S\)](#).

## Courses, Teresa Lozano Long Institute of Latin American Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Teresa Lozano Long

Institute of Latin American Studies: [Indigenous Languages of Latin America \(LAL\)](#) and [Latin American Studies \(LAS\)](#).

## Courses, Department of Linguistics

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Linguistics: [American Sign Language \(ASL\)](#) and [Linguistics \(LIN\)](#).

## Courses, Department of Mexican American and Latina/o Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Mexican American and Latina/o Studies: [Mexican American Studies \(MAS\)](#).

## Courses, Center for Middle Eastern Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Center of Middle Eastern Studies: [Middle Eastern Studies \(MES\)](#).

## Courses, Department of Middle Eastern Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Middle Eastern Studies: [Arabic \(ARA\)](#), [Hebrew \(HEB\)](#), [Middle Eastern Languages and Cultures \(MEL\)](#), [Persian \(PRS\)](#), and [Turkish \(TUR\)](#).

## Courses, Department of Philosophy

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Philosophy: [Philosophy \(PHL\)](#).

## Courses, Plan II Honors Program

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Plan II Honors Program: [Social Science \(S S\)](#) and [Tutorial Course \(T C\)](#).

## Courses, Department of Psychology

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Psychology: [Psychology \(PSY\)](#).

## Courses, Department of Religious Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Religious Studies: [Religious Studies \(R S\)](#).

## Courses, Department of Rhetoric and Writing

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Rhetoric and Writing: [Rhetoric and Writing \(RHE\)](#).

## Courses, Department of Air Force Science

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Air Force Science: [Air Force Science \(AFS\)](#).

## Courses, Department of Military Science

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Military Science: [Military Science \(M S\)](#).

## Courses, Department of Naval Science

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Naval Science: [Naval Science \(N S\)](#).

## Courses, Center for Russian, East European, and Eurasian Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Center for Russian, East European, and Eurasian Studies: [Russian, East European, and Eurasian Studies \(REE\)](#).

## Courses, Department of Slavic and Eurasian Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Slavic and Eurasian Studies: [Czech \(CZ\)](#), [Polish \(POL\)](#), [Russian \(RUS\)](#), [Serbian/Croatian \(S C\)](#), [Slavic and Eurasian Languages \(SEL\)](#), and [Ukrainian \(UKR\)](#).

## Courses, Department of Sociology

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Sociology: [Sociology \(SOC\)](#).

## Courses, Department of Spanish and Portuguese

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Spanish and Portuguese: [Iberian and Latin American Languages and Cultures \(ILA\)](#), [Portuguese \(POR\)](#), [Portuguese Civilization \(PRC\)](#), [Spanish \(SPN\)](#), and [Spanish Civilization \(SPC\)](#).

## Courses, Center for Women's and Gender Studies

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Center for Women's and Gender Studies: [Women's and Gender Studies \(WGS\)](#).

## College of Liberal Arts Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Jeffrey B Abramson, Professor  
Department of Government  
PhD, Harvard University, 1977

Jason Ira Abrevaya, Professor  
Murray S. Johnson Chair in Economics  
Department of Economics  
PhD, Massachusetts Institute of Technology, 1996

Charity Joy Revere Acchiardo, Associate Professor of Instruction  
Department of Economics  
PhD, George Mason University, 2013

Aaron Henry Aceves, Lecturer  
Department of English  
MFA, Columbia University in the City of New York, 2020

Daniel A Ackerberg, Professor  
Addison Baker Duncan Centennial Professorship in Economics  
Department of Economics  
PhD, Yale University, 1997

Paul C Adams, Professor  
Department of Geography and the Environment  
PhD, University of Wisconsin-Madison, 1993

Abimbola Adunni Adelakun, Assistant Professor  
Department of African and African Diaspora Studies  
PhD, University of Texas at Austin, 2017

Ari Adut, Associate Professor  
Department of Sociology  
PhD, University of Chicago, 2004

Omoniyi Afolabi, Professor  
Department of African and African Diaspora Studies and John L Warfield  
Center for African and African American Studies  
PhD, University of Wisconsin-Madison, 1997

Kamran S Aghaie, Associate Professor  
Department of Middle Eastern Studies, Center for Women's and Gender  
Studies, Center for Middle Eastern Studies, and Department of History  
PhD, University of California-Los Angeles, 1999

Yukie Aida, Associate Professor of Instruction  
Department of Asian Studies  
PhD, University of Texas at Austin, 1988

Olla N Al-Shalchi, Assistant Professor of Instruction  
Department of Middle Eastern Studies  
PhD, Old Dominion University, 2015

Bedour Alagraa, Assistant Professor  
Department of African and African Diaspora Studies  
PhD, Brown College, 2019

Rodolfo John Alaniz, Lecturer  
Department of History and TH Jefferson Ctr for Core Texts and Ideas  
PhD, University of California-San Diego, 2014

Bethany L Albertson, Associate Professor  
Department of Government  
PhD, University of Chicago, 2006

Frederick Luis Aldama, Professor  
Jacob and Frances Sanger Mossiker Chair in the Humanities #3  
Department of English  
PhD, Stanford University, 1999

Marina Alexandrova, Associate Professor of Instruction  
Department of Slavic and Eurasian Studies  
PhD, University of Texas at Austin, 2010

Riyad Alhomsy, Assistant Professor of Instruction  
Department of Middle Eastern Studies  
PhD, University of Arizona, 2018

Kamran Ali, Professor  
Department of Anthropology, Department of Asian Studies, Center for  
Middle Eastern Studies, and Department of Middle Eastern Studies  
PhD, Johns Hopkins University, 1998

Chad Alvarez, Associate Professor  
Department of Mexican American and Latino/a Studies, Center for  
Mexican American Studies, and Department of History  
PhD, University of Chicago, 2014

Michael R Anderson, Associate Professor of Instruction  
Department of Government  
PhD, University of Texas at Austin, 2009

Manuela Angelucci, Associate Professor  
Department of Economics  
PhD, University College London, 2005

Sarah K Angulo, Lecturer  
Department of Psychology  
PhD, University of Texas at Austin, 2008

Katherine M Arens, Professor  
Department of Germanic Studies and Center for Women's and Gender  
Studies  
PhD, Stanford University, 1981

Eugenio Yatsuda Arima, Associate Professor  
Department of Geography and the Environment  
PhD, Michigan State University, East Lansing, 2005

Minou Arjomand, Assistant Professor  
Department of English  
PhD, Columbia University in the City of New York, 2013

Jossianna Arroyo Martinez, Professor  
Department of Spanish and Portuguese, John L Warfield Center for  
African and African American Studies, and Department of African and  
African Diaspora Studies  
Department of Spanish and Portuguese, John L Warfield Center for  
African and African American Studies, and Department of African and  
African Diaspora Studies  
PhD, University of California-Berkeley, 1998

Javier Auyero, Professor  
Joe R. & Teresa Lozano Long Endowed Professorship #3  
Department of Sociology

PhD, New Sch for Soc Research, 1998

Kiril Avramov, Assistant Professor  
Department of Slavic and Eurasian Studies, Lyndon B Johnson School of  
Public Affairs, and Department of Government  
PhD, University of Sofia, 2008

Samy Ayoub, Assistant Professor  
Department of Middle Eastern Studies and School of Law  
PhD, University of Arizona, 2014

Hina Azam, Associate Professor  
Department of Middle Eastern Studies and Center for Middle Eastern  
Studies  
PhD, Duke University, 2007

Benjamin S Baird, Research Assistant Professor  
Department of Psychology  
PhD, University of California-Santa Barbara, 2014

Mansi Bajaj, Assistant Professor of Instruction  
Department of Asian Studies  
PhD, University of Delhi, 2019

Samuel Baker, Associate Professor  
Department of English  
PhD, University of Chicago, 2001

Anandkrishnan Balakrishnan, Assistant Professor of Instruction  
Department of Asian Studies  
PhD, University of Delhi, 2017

Jorge Francisco Balat, Assistant Professor  
Department of Economics  
PhD, Yale University, 2012

Paulami Banerjee, Lecturer  
Department of Geography and the Environment  
PhD, University of Texas at El Paso, 2019

Reema Barakat, Assistant Professor of Instruction  
Department of Middle Eastern Studies  
MA, University of Texas at Austin, 2015

Zoltan D Barany, Professor  
Frank C. Erwin, Jr. Centennial Professorship in Government  
Department of Government and Center for Middle Eastern Studies  
PhD, University of Virginia (Old Code), 1991

Janine Barchas, Professor  
The Chancellor's Council Centennial Professorship in the Book Arts  
Department of English  
PhD, University of Chicago, 1995

JK Barret, Associate Professor  
Department of English  
PhD, Princeton University, 2008

Phillip J Barrish, Professor  
Tony Hilfer Professorship in American and British Literature  
Department of English and Department of Medical Education  
PhD, Cornell University, 1991

Alice L Batt, Lecturer  
Department of Rhetoric and Writing  
PhD, University of Texas at Austin, 1996

Sheryl Luzzadder Beach, Professor  
Raymond Dickson Centennial Professorship #1

Department of Geography and the Environment  
PhD, University of Minnesota-Twin Cities, 1990

Timothy Beach, Professor  
C. B. Smith, Sr. Centennial Chair in United States-Mexico Relations #2  
Department of Geography and the Environment  
PhD, University of Minnesota-Twin Cities, 1989

Alex A Beasley, Assistant Professor  
Department of American Studies, Center for Women's and Gender  
Studies, and Department of History  
PhD, Yale University, 2016

David I Beaver, Professor  
Department of Linguistics and Program in the Human Dimensions of  
Organizations  
PhD, University of Edinburgh, 1995

John T Beavers, Professor  
Department of Linguistics  
PhD, Stanford University, 2006

Deborah Beck, Associate Professor  
Department of Classics  
PhD, Harvard University, 1997

Jennifer S Beer, Professor  
Department of Psychology and Department of Psychiatry  
PhD, University of California-Berkeley, 2002

Christopher G Beevers, Professor  
Wayne H. Holtzman Regents Chair in Psychology  
Department of Psychology and Department of Psychiatry  
PhD, University of Miami, 2002

Kirsten L Belgum, Associate Professor  
Department of Germanic Studies  
PhD, University of Wisconsin-Madison, 1989

Marvin C Bendele, Lecturer  
Department of American Studies and Program in the Human Dimensions  
of Organizations  
PhD, University of Texas at Austin, 2015

John Thomas Steele Bengson, Associate Professor  
Department of Philosophy  
PhD, University of Texas at Austin, 2010

Chad J Bennett, Associate Professor  
Department of English and Center for Women's and Gender Studies  
PhD, Cornell University, 2011

Peter S Bergman, Associate Professor  
Department of Economics  
PhD, University of California-Berkeley, 2012

Vladislav Beronja, Assistant Professor  
Department of Slavic and Eurasian Studies  
PhD, University of Michigan-Ann Arbor, 2014

Betsy A Berry, Senior Lecturer  
Department of English  
PhD, University of Texas at Austin, 1994

Daina R Berry, Professor  
Oliver H. Radkey Regents Professorship in History  
Department of History, John L Warfield Center for African and African  
American Studies, Department of African and African Diaspora Studies,  
and Center for Women's and Gender Studies

Department of History, John L Warfield Center for African and African  
American Studies, Department of African and African Diaspora Studies,  
and Center for Women's and Gender Studies  
PhD, University of California-Los Angeles, 1998

Lance Bertelsen, Professor  
Iris Howard Regents Professorship in English Literature  
Department of English  
PhD, University of Washington - Seattle, 1979

Aarti R Bhalodia, Assistant Professor of Instruction  
Center for Asian American Studies  
PhD, University of Texas at Austin, 2012

Venkataraman Bhaskar, Professor  
Sue Killam Professorship in the Foundations of Economics  
Department of Economics  
DPhil, University of Oxford, 1988

Saroj Bhattarai, Associate Professor  
Department of Economics  
PhD, Princeton University, 2010

Julia A Biggerstaff Haug, Clinical Assistant Professor  
UTeach-Liberal Arts  
BA, University of Texas at Austin, 1997

Douglas G Biow, Professor  
The Superior Oil Company - Linward Shivers Centennial Professorship in  
Medieval and Renaissance Studies  
Department of French and Italian, Department of History, and Center for  
European Studies  
PhD, Johns Hopkins University, 1990

David P Birdsong, Professor  
Department of French and Italian  
PhD, Harvard University, 1979

Daniel J Birkholz, Associate Professor  
Department of English  
PhD, University of Minnesota-Twin Cities, 1999

Marc Bizer, Professor  
Department of French and Italian  
PhD, Princeton University, 1993

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Department of Middle Eastern Studies and TH Jefferson Ctr for Core  
Texts and Ideas  
PhD, University of Texas at Austin, 2020

Mary E Blockley, Professor  
Department of English  
PhD, Yale University, 1984

Carl S Blyth, Associate Professor  
Department of French and Italian  
PhD, Cornell University, 1990

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The Raymond Dickson, Alton C. Allen and Dillon Anderson Centennial  
Professorship  
Department of Germanic Studies and Department of Linguistics  
PhD, University of North Carolina at Chapel Hill, 2000

Christoph Boehm, Assistant Professor  
Department of Economics  
PhD, University of Michigan-Ann Arbor, 2016

Matthew R Bogan, Assistant Professor-ROTC  
Department of Air Force Science  
MBA, Naval Postgraduate School, 2017

Daniel A Bonevac, Professor  
Department of Philosophy and Program in the Human Dimensions of  
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PhD, University of Pittsburgh, Pittsburgh Campus, 1980

Paola Bonifazio, Associate Professor  
Department of French and Italian and Center for Women's and Gender  
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PhD, New York University, 2008

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PhD, University of California-Berkeley, 2002

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Studies  
PhD, University of Minnesota-Twin Cities, 1998

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Department of Sociology  
PhD, University of Texas at Austin, 2019

Carlos E Bowles, Assistant Professor of Instruction  
UTeach-Liberal Arts  
MEd, University of Texas at Austin, 2002

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Department of Economics  
PhD, Rostov State University, 1983

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Department of Rhetoric and Writing and Department of Communication  
Studies  
PhD, University of South Carolina - Columbia, 2011

Kirsten E Bradbury, Assistant Professor of Instruction  
Department of Psychology  
PhD, Virginia Polytechnic Institute and State University, 2005

Michael W Brandl, Professor of Instruction  
Department of Economics  
PhD, University of Houston, 1996

Henry W Brands, Professor  
Jack S. Blanton, Sr. Chair in History  
Department of History  
PhD, University of Texas at Austin, 1985

Sarah Brayne, Assistant Professor  
Department of Sociology  
MA, Princeton University, 2012

Timothy Brennan, Lecturer  
TH Jefferson Ctr for Core Texts and Ideas  
PhD, Boston College, 2018

Daniel M Brinks, Professor  
Department of Government and School of Law  
PhD, University of Notre Dame, 2004

Benjamin Claude Brower, Associate Professor  
Department of History and Center for Middle Eastern Studies  
PhD, Cornell University, 2005

Khytie Brown, Assistant Professor  
Department of Religious Studies  
MTS, Harvard University, 2013

Simone Arlene Browne, Associate Professor  
John L Warfield Center for African and African American Studies,  
Department of African and African Diaspora Studies, Department of  
Sociology, and Center for Women's and Gender Studies  
PhD, University of Toronto, 2007

Jason M Brownlee, Professor  
Department of Government, Center for Middle Eastern Studies, and  
Department of Middle Eastern Studies  
PhD, Princeton University, 2004

Douglas S Bruster, Professor  
Mody C. Boatright Regents Professorship in American and English  
Literature  
Department of English  
PhD, Harvard University, 1990

Erika M Bsumek, Associate Professor  
Department of History  
PhD, Rutgers the State University of New Jersey New Brunswick  
Campus, 2000

Lawrence Ray Buchanan, Associate Professor  
Department of Philosophy  
PhD, New York University, 2008

Tom Buckley, Specialist  
Department of Rhetoric and Writing  
MA, Pennsylvania State University Park, 1985

J Budziszewski, Professor  
Department of Government and Department of Philosophy  
PhD, Yale University, 1981

Walter L Buenger Jr, Professor  
Summerlee Foundation Chair in Texas History, Barbara White Stuart  
Centennial Professorship in Texas History  
Department of History  
PhD, Rice University, 1979

Barbara Ellen Bullock, Professor  
Department of French and Italian and Department of Spanish and  
Portuguese  
PhD, University of Delaware, 1990

Melissa R Bunner, Clinical Assistant Professor  
Department of Psychology  
PhD, University of Texas at Austin, 1997

Benjamin R Burnett, Lecturer  
Humanities Program  
MEd, University of Texas at Austin, 2007

Virginia Garrard Burnett, Professor  
Department of History and Department of Religious Studies  
PhD, Tulane University, 1986

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Humanities Program  
MEd, University of Texas at Austin, 2018

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School of Nursing and Department of Spanish and Portuguese  
PhD, University of Texas at Austin, 2019

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Plan II Honors Program  
LLB, University of Texas at Austin, 1968

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Department of French and Italian  
PhD, University of Texas at Austin, 2018

David M Buss, Professor  
Department of Psychology  
PhD, University of California-Berkeley, 1981

Johnny S Butler, Professor  
J. Marion West Chair for Constructive Capitalism  
Department of Management, Department of Sociology, and John L  
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PhD, Northwestern University, 1974

Matthew J Butler, Associate Professor  
Department of History  
PhD, University of Bristol, 2000

Philip L Butler, Lecturer  
Humanities Program  
MEd, University of Texas at Austin, 2009

Marika Cabral, Associate Professor  
Department of Economics  
PhD, Stanford University, 2011

Naomi Campa, Assistant Professor  
Department of Classics  
PhD, University of Washington - Seattle, 2014

Craig A Campbell, Associate Professor  
Department of Anthropology and Department of Slavic and Eurasian  
Studies  
PhD, University of Alberta, 2009

Emmet E Campos, Lecturer  
Humanities Program  
PhD, University of Texas at Austin, 2011

Jorge Canizares, Professor  
Alice Jane Drysdale Sheffield Regents Professorship in History  
Department of History  
PhD, University of Wisconsin-Madison, 1995

Paola Canova, Associate Professor  
Department of Anthropology  
PhD, University of Arizona, 2014

Christina Nefeli Caramanis, Lecturer  
Department of Sociology  
PhD, University of Texas at Austin, 2020

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Department of Spanish and Portuguese  
PhD, Cornell College, 2001

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Organizations  
PhD, University of Georgia, 1984

Jamie Carroll, Lecturer  
Department of Sociology  
PhD, University of Texas at Austin, 2019

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Department of French and Italian  
PhD, University of Texas at Austin, 1970

Mia E Carter, Associate Professor  
Department of English and College of Liberal Arts  
PhD, University of Wisconsin-Milwaukee, 1992

Oscar H Casares, Professor  
Susan Taylor McDaniel Regents Professorship in Creative Writing #1  
Department of English and Center for Mexican American Studies  
MFA, University of Iowa, 2001

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Humanities Program  
MA, University of Chicago, 1997

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Department of Anthropology  
PhD, University of Hawaii at Manoa, 2014

Kirsten Cather, Associate Professor  
Department of Asian Studies  
PhD, University of California-Berkeley, 2004

Shannon Eileen Cavanagh, Professor  
Department of Sociology  
PhD, University of North Carolina at Chapel Hill, 2003

Lydia A CdeBaca, Lecturer  
Department of English  
PhD, University of Texas at Austin, 2012

Ivan Y Chaar Lopez, Assistant Professor  
Department of American Studies  
PhD, University of Michigan-Ann Arbor, 2018

Zeenia Challa, Lecturer  
Department of Geography and the Environment  
JD, Texas Southern University, 2013

Frances Anne Champagne, Professor  
Department of Psychology and Department of Psychiatry  
PhD, McGill University, 2004

Chih-Wei Chang, Assistant Professor of Instruction  
Department of Asian Studies  
MA, University of Texas at Austin, 2000

Jennifer T Chang, Associate Professor  
Department of English  
PhD, University of Virginia, 2017

Sung-Sheng Yvonne Chang, Professor  
Department of Asian Studies  
PhD, Stanford University, 1985

Terrence Leon Chapman, Associate Professor  
Department of Government  
PhD, Emory University, 2007

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Department of Rhetoric and Writing and Department of English  
PhD, Carnegie Mellon University, 1985

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Department of Sociology, Center for Women's and Gender Studies,  
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PhD, Harvard University, 1980

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PhD, University of London, 1996

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Department of Classics  
PhD, Yale University, 2008

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PhD, Arizona State University Main, 2007

Jacob Earl Cheadle, Professor  
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Jeanette C Chen, Assistant Professor of Instruction  
Department of Asian Studies  
MA, Middlebury College, 1983

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Department of American Studies  
PhD, University of California-Los Angeles, 2019

Jessica Alice Church-Lang, Associate Professor  
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PhD, Washington University in St Louis, 2008

Debbie Nahama Cifuentes Ramirez, Assistant Professor of Instruction  
Department of Spanish and Portuguese  
PhD, University of Texas at Austin, 2020

Natalie R Cincotta, Lecturer  
Department of History  
PhD, University of Texas at Austin, 2021

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Department of Psychology  
PhD, San Diego State University, 2019

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Department of Mexican American and Latino/a Studies and Department  
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PhD, University of North Carolina at Chapel Hill, 2011

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PhD, University of Maryland College Park, 2009

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PhD, Columbia University in the City of New York, 2008

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Department of Sociology  
PhD, Princeton University, 2015

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Malcolm Forsman Centennial Professorship  
Department of Economics  
PhD, University of Michigan-Ann Arbor, 2007

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Department of Anthropology  
PhD, Vanderbilt University, 2019

Kevin O Cokley, Professor  
Oscar and Anne Mauzy Regents Professorship for Educational Research  
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Department of Educational Psychology, Department of African and  
African Diaspora Studies, and John L Warfield Center for African and  
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PhD, Georgia State University, 1998

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Diaspora Studies  
PhD, Emory University, 2016

Bethzabeth Colon Pizzini, Assistant Professor of Instruction  
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MA, University of Texas at Austin, 2017

Jason Cons, Associate Professor  
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PhD, Cornell University, 2011

Jordan Andrew Conwell, Assistant Professor  
Department of Sociology  
PhD, Northwestern University, 2017

Chikako H Cooke, Assistant Professor of Instruction  
Department of Asian Studies  
MA, University of Wisconsin Colleges, 1995

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PhD, University of Texas at Austin, 2005

Lawrence K Cormack, Professor  
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PhD, University of California-Berkeley, 1992

Boris Corredor, Associate Professor of Instruction  
Department of Spanish and Portuguese  
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PhD, Stanford University, 2001

Ronald Covey, Professor  
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PhD, University of Michigan-Ann Arbor, 2003

James H Cox, Professor  
Jane and Roland Blumberg Centennial Professorship in English  
Department of English, Center for Mexican American Studies, and Office  
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PhD, University of Nebraska - Lincoln, 1999

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Department of Government  
PhD, The Ohio State University Main Campus, 2017

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Department of Classics  
PhD, University of Texas at Austin, 2017

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Department of History  
PhD, Cornell University, 1975

Kelley A Crews, Associate Professor  
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PhD, University of North Carolina at Chapel Hill, 2000

Robert Crosnoe, Professor  
Rapoport Centennial Professorship of Liberal Arts  
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PhD, Stanford University, 1999

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Department of Religious Studies, Department of Anthropology, and John  
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PhD, University of California-Santa Cruz, 2014

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PhD, University of Arizona, 1991

Jackie Cuevas, Associate Professor  
Department of English  
PhD, University of Texas at Austin, 2010

Elizabeth Cullingford, Professor  
Jane Weinert Blumberg Chair in English  
Department of English and Center for Women's and Gender Studies  
PhD, University of Oxford, 1977

Anthony S Cunningham, Visiting Professor  
Department of Economics  
PhD, University of Georgia, 2007

James Patrick Curley, Associate Professor  
Department of Psychology  
PhD, University of Cambridge, 2003

Todd Anthony Curtis, Senior Lecturer  
Department of Classics  
PhD, University of Newcastle upon Tyne, 2010

Jonathan Dancy, Professor  
Department of Philosophy  
MA, University of Oxford, 1972

Celina Aisha Davidson de Sa, Assistant Professor  
Department of Anthropology  
PhD, University of Pennsylvania, 2018

Amira Rose Davis, Harrington Faculty Fellow  
Department of African and African Diaspora Studies  
PhD, Johns Hopkins University, 2016

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Department of Rhetoric and Writing, Department of Communication  
Studies, and Department of English  
PhD, University of Texas at Arlington, 1995

Donald R Davis Jr, Professor  
Ralph B. Thomas Regents Professorship in Asian Studies  
Department of Asian Studies  
PhD, University of Texas at Austin, 2000

Janet M Davis, Professor

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PhD, University of Wisconsin-Madison, 1998

Kaya de Barbaro, Assistant Professor  
Department of Psychology and Department of Psychiatry  
PhD, University of California-San Diego, 2012

Eduardo de la Cruz Cruz, Assistant Professor of Instruction  
Teresa Lozano Long Institute of Latin American Studies  
MA, Universidad Autonoma de Zacatecas, 2015

Jack C De La Torre, Adjunct Professor  
Department of Psychology  
PhD, University of Geneva, 1968

Juan Carlos De Orellana Sanchez, Lecturer  
Department of History  
PhD, University of Texas at Austin, 2021

Lesley A Dean-Jones, Professor  
Department of Classics  
PhD, Stanford University, 1987

Susan Deans-Smith, Associate Professor  
Department of History  
PhD, University of Cambridge, 1984

John Deigh, Professor  
School of Law and Department of Philosophy  
PhD, University of California-Los Angeles, 1979

Lina Maria Del castillo, Associate Professor  
Department of History  
PhD, University of Miami, 2007

Yvon Delville, Professor  
Department of Psychology  
PhD, University of Massachusetts, 1992

Erik Dempsey, Assistant Professor of Instruction  
TH Jefferson Ctr for Core Texts and Ideas and Department of Classics  
PhD, Boston College, 2007

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UTeach-Liberal Arts  
MA, Pace University, 2019

Ashwini S Deo, Professor  
Department of Linguistics  
PhD, Stanford University, 2006

Joshua Dever, Professor  
Department of Philosophy  
PhD, University of California-Berkeley, 1998

Anthony F Di Fiore, Professor  
Centennial Commission Professorship in the Liberal Arts #3  
Department of Anthropology  
PhD, University of California-Davis, 1997

Yoav Di-Capua, Professor  
Department of History  
PhD, Princeton University, 2004

Rasha Diab, Associate Professor  
Department of Rhetoric and Writing, Department of Middle Eastern  
Studies, and Department of English  
PhD, University of Wisconsin-Madison, 2009

Sarah Magee Dille, Clinical Assistant Professor

UTeach-Liberal Arts  
MA, Middlebury College, 2004

Sinan Dogramaci, Associate Professor  
Department of Philosophy  
PhD, New York University, 2009

Brian F Doherty, Senior Lecturer  
Department of English  
PhD, University of Wisconsin-Milwaukee, 1996

Juan M Dominguez, Professor  
College of Pharmacy and Department of Psychology  
PhD, State University of New York at Buffalo, 2002

Hector Dominguez-Ruvalcaba, Professor  
Department of Spanish and Portuguese and Center for Women's and  
Gender Studies  
PhD, University of Colorado at Boulder, 1999

Michael P Domjan, Professor  
Department of Psychology  
PhD, McMaster University, 1973

Stephen Donald, Professor  
Edward Everett Hale Centennial Professorship in Economics  
Department of Economics  
PhD, University of British Columbia, 1990

William Doolittle, Professor  
Erich W. Zimmermann Regents Professorship in Geography  
Department of Geography and the Environment  
PhD, University of Oklahoma Norman Campus, 1979

Andres Pablo Drenik, Assistant Professor  
Department of Economics  
PhD, Stanford University, 2016

Julia L Driver, Professor  
Darrell K Royal Regents Professorship in Ethics and American Society  
Department of Philosophy  
PhD, Johns Hopkins University, 1990

Daniel Drucker, Assistant Professor  
Department of Philosophy  
PhD, University of Michigan-Ann Arbor, 2017

Emily L Drumsta, Assistant Professor  
Department of Middle Eastern Studies and Department of French and  
Italian  
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PhD, University of California-Berkeley, 2016

Audrey Duarte, Professor  
Department of Psychology and Department of Neurology  
PhD, University of California-Berkeley, 2004

Kaori M Duffey, Assistant Professor of Instruction  
Department of Asian Studies  
MS, Kansas State University, 2002

Katherine Laura Dunlop, Associate Professor  
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PhD, University of California-Los Angeles, 2005

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Department of Psychology

PhD, New Mexico State University Main Campus, 2016

Jennifer V Ebbeler, Associate Professor  
Department of Classics  
PhD, University of Pennsylvania, 2001

Beth Eby, Lecturer  
Center for Women's and Gender Studies  
PhD, University of Illinois at Urbana-Champaign, 2019

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Department of Spanish and Portuguese  
PhD, University of Texas at Austin, 2014

Catharine H Echols, Associate Professor  
Department of Psychology  
PhD, University of Illinois at Urbana-Champaign, 1987

Jules R Elkins, Assistant Professor of Instruction  
Department of Geography and the Environment  
PhD, University of California-Berkeley, 2008

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Department of Government  
PhD, University of California-Berkeley, 2003

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MEd, University of Texas at Austin, 2008

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Department of English  
PhD, University of Georgia, 1996

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PhD, University of North Carolina at Chapel Hill, 2015

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Katrin E Erk, Professor  
Department of Linguistics  
PhD, Saarland University, 2002

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Department of Psychology  
PhD, University of California-Irvine, 2021

Stefano M Eusepi, Associate Professor  
Department of Economics  
PhD, University of Warwick, 2005

Jacqueline J Evans, Associate Professor of Instruction  
Department of Psychology  
PhD, University of Texas at Austin, 2011

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Department of Philosophy  
PhD, University of Texas at Austin, 2004

Rhonda L Evans, Associate Professor of Instruction  
Department of Government  
PhD, University of Texas at Austin, 2004

Karen J Ewing, Assistant Professor of Instruction  
Department of Germanic Studies  
MA, University of Texas at Austin, 2001

Brice Ezell, Assistant Professor of Instruction  
Department of English  
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Maegan Fairchild, Harrington Faculty Fellow  
Department of Philosophy  
PhD, University of Southern California, 2018

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TH Jefferson Ctr for Core Texts and Ideas and Department of Government  
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Jacob and Frances Sanger Mossiker Chair in the Humanities #2  
Department of History, John L Warfield Center for African and African American Studies, and Department of African and African Diaspora Studies  
PhD, Obafemi Awolowo University, 1981

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Department of Geography and the Environment, Department of African and African Diaspora Studies, and Center for Women's and Gender Studies  
PhD, University of Washington - Seattle, 2009

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Department of African and African Diaspora Studies, John L Warfield Center for African and African American Studies, and Department of History  
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PhD, Harvard University, 2013

Yasmina Fawaz, Assistant Professor of Instruction  
Department of French and Italian  
PhD, University of Texas at Austin, 2018

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Department of English and Department of Rhetoric and Writing  
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PhD, University of Pennsylvania, 1990

Charlotte Fiehn, Assistant Professor of Instruction  
Department of English  
PhD, University of Texas at Austin, 2021

Michael G Findley, Professor  
Frank C. Erwin, Jr. Centennial Chair in Government  
Department of Government and Lyndon B Johnson School of Public Affairs  
PhD, University of Illinois at Urbana-Champaign, 2007

Stephen E Finn, Clinical Associate Professor  
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PhD, University of Minnesota-Twin Cities, 1984

Vivian Flanzer, Associate Professor of Instruction  
Department of Spanish and Portuguese  
PhD, University of Texas at Austin, 2019

Richard R Flores, Professor  
C. B. Smith, Sr. Centennial Chair in United States-Mexico Relations #3  
Department of Anthropology, Center for Mexican American Studies, and Department of Mexican American and Latino/a Studies

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PhD, University of Texas at Austin, 2001

Signe P Fourmy, Lecturer  
Department of History  
PhD, University of Texas at Austin, 2020

Joshua Frank, Assistant Professor of Instruction  
Department of Spanish and Portuguese  
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Maria Franklin, Professor  
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PhD, University of California-Berkeley, 1997

Alison K Frazier, Associate Professor  
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PhD, Columbia University in the City of New York, 1996

Jeffrey William Freels, Lecturer  
Humanities Program  
PhD, George Mason University, 2015

Oliver Freiburger, Professor  
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PhD, Georg-August Universität Göttingen, 1999

Joshua Frens-String, Assistant Professor  
Department of History  
PhD, New York University, 2015

Daniel G Fridman, Associate Professor  
Department of Sociology and Teresa Lozano Long Institute of Latin American Studies  
PhD, Columbia University in the City of New York, 2010

Alan W Friedman, Professor  
Arthur J. Thaman and Wilhelmina Dore' Thaman Endowed Professorship in English #3  
Department of English  
PhD, University of Rochester, 1966

Steven J Friesen, Professor  
The Louise Farmer Boyer Chair in Biblical Studies  
Department of Religious Studies  
PhD, Harvard University, 1990

Kirkland Alexander Fulk, Assistant Professor  
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PhD, University of North Carolina at Chapel Hill, 2013

Ginny Fullerton, Clinical Associate Professor  
Department of Psychology and Department of Educational Psychology  
PhD, University of Houston, 2007

Kelly Fulton, Assistant Professor of Instruction  
Department of Sociology  
PhD, University of Texas at Austin, 2004

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PhD, Texas A & M University, 2006

Seth W Garfield, Professor  
Department of History and Teresa Lozano Long Institute of Latin  
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PhD, Yale University, 1996

Thomas Garrison, Assistant Professor  
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Anthropology  
PhD, Harvard University, 2007

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EdD, Harvard University, 1987

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PhD, University of British Columbia, 2010

Bertram Gawronski, Professor  
Department of Psychology  
PhD, Humboldt Universitat zu Berlin, 2001

Lauren Michele Gaydosh, Assistant Professor  
Department of Sociology  
PhD, Princeton University, 2015

Wilson S Geisler III, Professor  
David Wechsler Regents Chair in Psychology  
Department of Psychology  
PhD, Indiana University at Bloomington, 1975

Maggie Sue Gemmell, Assistant Professor of Instruction  
Department of Germanic Studies  
PhD, University of Texas at Austin, 2015

John Gerring, Professor  
C. B. Smith, Sr., Nash Phillips, Clyde Copus Centennial Chair honoring  
Harry Hunt Ransom  
Department of Government  
PhD, University of California-Berkeley, 1993

Michael L Geruso, Associate Professor  
Department of Economics  
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David L Gilden, Professor  
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Lyndon K Gill, Associate Professor  
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Center for African and African American Studies, Center for Women's and  
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Nate Gilmore, Assistant Professor  
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Centennial Commission Professorship in the Liberal Arts #4  
Department of Sociology  
PhD, University of Wisconsin-Madison, 1983

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J. Frank Dobie Regents Professorship in American and English Literature  
Department of English and Center for Mexican American Studies  
PhD, Stanford University, 1998

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George I. Sanchez Centennial Professorship in Liberal Arts  
Department of Psychology, College of Pharmacy, and Department of  
Psychiatry  
PhD, University of Pr Medical Sciences, 1980

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Department of Sociology, Center for Mexican American Studies, and  
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PhD, University of Southern California, 2000

Rachel Valentina Gonzalez-Martin, Associate Professor  
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PhD, Indiana University at Bloomington, 2014

Bridget Jeaneen Goosby, Professor  
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PhD, Pennsylvania State University Park, 2003

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Itzik Gottesman, Associate Professor of Instruction  
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Jennifer Graber, Professor  
The Gwyn Shive, Anita Nordan Lindsay and Joe & Cherry Gray  
Professorship  
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PhD, Duke University, 2006

Scott Graham, Associate Professor  
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PhD, Iowa State University, 2010

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ThD, Harvard University, 2008

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PhD, University of North Carolina at Chapel Hill, 2000

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MA, Universidad Internacional Menendez Pelayo, 2017

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Department of History  
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Joan Negley Kelleher Centennial Professorship in Rhetoric and Composition  
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PhD, University of Southern Mississippi, 1999

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PhD, Indiana University at Bloomington, 2015

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Lucy Shoe Meritt Professorship in Classics  
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PhD, University of California-Berkeley, 1993

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Celanese Centennial Professorship  
Department of English  
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Kevin J Thomas, Professor  
Department of African and African Diaspora Studies and Department of  
Sociology  
PhD, University of Pennsylvania, 2004

Amy Thompson, Assistant Professor  
Department of Geography and the Environment  
PhD, University of New Mexico Main Campus, 2019

Lisa B Thompson, Professor  
Bobby and Sherri Patton Endowed Professorship in African and African  
Diaspora Studies  
Department of African and African Diaspora Studies, Department of  
Theatre and Dance, Department of English, and John L Warfield Center  
for African and African American Studies  
PhD, Stanford University, 2000

Shirley E Thompson, Associate Professor  
Department of American Studies, John L Warfield Center for African and  
African American Studies, Department of African and African Diaspora  
Studies, and Department of History  
Department of American Studies, John L Warfield Center for African and  
African American Studies, Department of African and African Diaspora  
Studies, and Department of History  
PhD, Harvard University, 2001

Thomas Levi Thompson, Assistant Professor  
Department of Middle Eastern Studies  
PhD, University of California-Los Angeles, 2017

Katharine Allen Tillman, Assistant Professor  
Department of Psychology  
PhD, University of California-San Diego, 2017

Paul A Tombarge, Professor-ROTC  
Department of Air Force Science  
MA, Naval Postgraduate School, 2004

Almeida J Toribio, Professor  
Department of Spanish and Portuguese, John L Warfield Center for  
African and African American Studies, Department of African and African  
Diaspora Studies, and Center for Mexican American Studies  
PhD, Cornell University, 1993

Rebecca M Torres, Associate Professor  
Department of Geography and the Environment and Department of  
Mexican American and Latino/a Studies  
PhD, University of California-Davis, 2000

Robert Town, Professor  
James L. and Nancy Powell Centennial Professorship in American  
Economic Principles  
Department of Economics  
PhD, University of Wisconsin Colleges, 1990

Phillip Townsend, Lecturer  
Department of African and African Diaspora Studies  
MA, University of Texas at Austin, 2016

John W Traphagan, Professor  
Department of Religious Studies, Department of Anthropology, and  
Program in the Human Dimensions of Organizations  
PhD, University of Pittsburgh, Pittsburgh Campus, 1997

Stephen J Trejo, Professor  
Department of Economics

PhD, University of Chicago, 1988

Brian M Trinqué, Assistant Professor of Instruction  
Department of Economics  
PhD, University of Texas at Austin, 1993

David M Tucker, Clinical Associate Professor  
Department of Psychology  
PhD, University of Georgia, 1983

Elliot Max Tucker-Drob, Professor  
Department of Psychology and Department of Psychiatry  
PhD, University of Virginia, 2009

Jeffrey K Tulis, Professor  
Department of Government, Department of Communication Studies, and  
School of Law  
PhD, University of Chicago, 1982

Alan Tully, Professor  
Eugene C. Barker Centennial Professorship in American History  
Department of History  
PhD, Johns Hopkins University, 1973

Matt Turner, Lecturer  
Humanities Program  
PhD, Yale University, 1991

Trenzio Devon Turner, Lecturer  
Department of Marketing and Program in the Human Dimensions of  
Organizations  
BBA, Tarleton State University, 2000

Cody Tuttle, Assistant Professor  
Department of Economics  
MA, University of Maryland College Park, 2016

Samuel Thorpe Twito, Lecturer  
Department of Sociology  
PhD, University of Texas at Austin, 2021

Michael Tye, Professor  
Dallas TACA Centennial Professorship in the Liberal Arts  
Department of Philosophy  
PhD, New York University, 1975

Debra J Umberson, Professor  
Centennial Commission Professorship in the Liberal Arts #1  
Department of Sociology and School of Social Work  
PhD, Vanderbilt University, 1985

Deborah Unferth, Associate Professor  
Department of English  
MFA, Syracuse University Main Campus, 1998

Fred Valdez Jr, Professor  
Department of Anthropology  
PhD, Harvard University, 1987

Gladys S Valdez, Lecturer  
Department of Psychology  
PhD, University of Texas at Austin, 2007

Matthew T Valentine, Lecturer  
Plan II Honors Program  
MFA, New York University, 2003

Rebecca Anne Van Der Horst, Lecturer  
Department of Classics

PhD, University of Texas at Austin, 2019

Vincent Vanderheijden, Assistant Professor of Instruction  
Department of Germanic Studies  
PhD, University of Texas at Austin, 2011

Antonio L Vasquez, Assistant Professor of Instruction  
Department of Mexican American and Latino/a Studies  
PhD, Michigan State University, East Lansing, 2013

Pavithra Vasudevan, Assistant Professor  
Department of African and African Diaspora Studies, Center for Women's  
and Gender Studies, Department of Geography and the Environment, and  
John L Warfield Center for African and African American Studies  
MA, University of North Carolina at Chapel Hill, 2013

Maurizio Viroli, Professor  
Department of Government and Department of French and Italian  
PhD, European University Institute, 1985

Caitlin Von Liski, Lecturer  
Humanities Program  
MS, University of Kansas Main Campus, 2010

Maria D Wade, Associate Professor  
Department of Anthropology  
PhD, University of Texas at Austin, 1998

Devin Walker, Lecturer  
Department of History  
MA, University of Texas at Austin, 2015

Edward L Walker, Adjunct Professor  
Plan II Honors Program  
MBA, Harvard University, 1967

Hannah L Walker, Assistant Professor  
Department of Government  
PhD, University of Washington - Seattle, 2016

Patrick F Walter, Assistant Professor of Instruction  
Department of African and African Diaspora Studies  
PhD, State University of New York at Buffalo, 2012

Denton Walthall, Assistant Professor  
Department of Classics  
PhD, Princeton University, 2013

Di Wang, Assistant Professor of Instruction  
Department of Government  
PhD, Texas A & M University, 2015

Amy M Ware, Assistant Professor of Instruction  
Program in the Human Dimensions of Organizations  
PhD, University of Texas at Austin, 2009

Luke Christopher Waring, Assistant Professor  
Department of Asian Studies  
PhD, Princeton University, 2019

Anthony K Webster, Professor  
Department of Anthropology and Department of Linguistics  
PhD, University of Texas at Austin, 2004

Stephen M Wechsler, Professor  
Department of Linguistics  
PhD, Stanford University, 1991

Alexander Ariel Weinreb, Professor  
Department of Sociology and Center for Middle Eastern Studies

PhD, University of Pennsylvania, 2000

Amelia Gabrielle Weinreb, Associate Professor of Instruction  
Center for Middle Eastern Studies and Schusterman Center for Jewish Studies  
PhD, University of Pennsylvania, 2007

Abigail Weitzman, Assistant Professor  
Department of Sociology  
PhD, New York University, 2015

Rachel Wellhausen, Associate Professor  
Department of Government and Department of Business, Government and Society  
PhD, Massachusetts Institute of Technology, 2012

Bruce Wells, Associate Professor  
Department of Middle Eastern Studies  
PhD, Johns Hopkins University, 2003

Alexandra K Wettlaufer, Professor  
Stuart W. Stedman Director's Chair in Plan II, Hayden W. Head Regents Chair in the Plan II Honors Program  
Department of French and Italian and Plan II Honors Program  
PhD, Columbia University in the City of New York, 1993

Kurt G Weyland, Professor  
Mike Hogg Professorship in Liberal Arts  
Department of Government  
PhD, Stanford University, 1991

Deborah E White, Associate Professor of Instruction  
Department of Linguistics  
MA, Gallaudet University, 1993

Kari L White, Associate Professor  
School of Social Work and Department of Sociology  
PhD, University of Texas at Austin, 2001

Stephen A White, Professor  
Department of Classics and Department of Philosophy  
PhD, University of California-Berkeley, 1987

Sarah Jey Whitehead, Assistant Professor of Instruction  
Department of Spanish and Portuguese  
PhD, University of Texas at Austin, 2014

Justin T Wilcox, Assistant Professor-ROTC  
Department of Military Science  
MBA, Webster University, 2018

Evgenia Mikhaylova Wilkins, Assistant Professor of Instruction  
Department of Slavic and Eurasian Studies  
PhD, University of Texas at Austin, 2017

Lynn R Wilkinson, Associate Professor  
Center for Women's and Gender Studies and Department of Germanic Studies  
PhD, University of California-Berkeley, 1983

Jennifer M Wilks, Associate Professor  
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PhD, Cornell University, 2003

Christine L Williams, Professor  
Elsie and Stanley E. (Skinny) Adams, Sr. Centennial Professorship in Liberal Arts

Department of Sociology and Center for Women's and Gender Studies  
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UTeach-Liberal Arts  
BA, University of Texas at Austin, 1995

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PhD, Northwestern University, 1967

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Mike Hogg Professorship in Government  
Department of Government  
PhD, University of Iowa, 1989

Hannah Chapelle Wojciehowski, Professor  
Arthur J. Thaman and Wilhelmina Dore' Thaman Endowed Professorship in English #2  
Department of English  
PhD, Yale University, 1984

Michael Scott Wolford, Professor  
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PhD, Washington University in St Louis, 2009

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PhD, Stanford University, 2011

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Department of African and African Diaspora Studies and John L Warfield  
Center for African and African American Studies  
PhD, University of California-Berkeley, 1999

Kenneth R Young, Professor  
Department of Geography and the Environment and Teresa Lozano Long  
Institute of Latin American Studies  
PhD, University of Colorado at Boulder, 1990

Michael P Young, Professor  
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PhD, New York University, 2000

Robert Daniel Young, Associate Professor-ROTC  
Department of Naval Science  
MA, Lynchburg Baptist College, 2015

Chen Yu, Professor  
Charles and Sarah Seay Regents Professorship in Developmental  
Psychology  
Department of Psychology  
PhD, University of Rochester, 2004

Emilio Zamora, Professor  
Clyde Rabb Littlefield Chair in Texas History  
Department of History and Center for Mexican American Studies  
PhD, University of Texas at Austin, 1983

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Department of Special Education and Department of Spanish and  
Portuguese  
PhD, University of Texas at Austin, 2020

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Teresa Lozano Long Institute of Latin American Studies  
PhD, Columbia University in the City of New York, 2011

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Department of Economics  
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Department of Air Force Science  
MBA, Liberty University, 2016

Andreas Matouschek, PhD, *Associate Dean, Research and Facilities*  
Nataša Pavlović, PhD, *Associate Dean, Faculty Affairs*  
Daniel F. Knopf, PhD, *Associate Dean, Graduate Education*  
Melissa Taylor, PhD, *Senior Assistant  
Dean, Strategic Initiatives and Partnerships*  
Jennifer Moon, PhD, *Assistant Dean, Non-tenure Track Faculty*  
Ricardo Medina, MBA CPA, *Assistant Dean, Business Services*  
Tepera R. Holman, MEd, *Assistant Dean,  
Community and Student Engagement*  
Anneke Chy, MA, *Assistant Dean, Advising and Student Support*  
<http://cns.utexas.edu/>

## General Information

### Arts and Sciences Education

The academic program offered cooperatively by the College of Natural Sciences and the College of Liberal Arts provides what is sometimes referred to as a “liberal arts” or an “arts and sciences” education. No matter what area of knowledge a student intends to specialize in, the program of study will require courses in both colleges. The colleges work together to ensure that the individual interests and needs of the students pursuing an arts and sciences program are met.

Guidelines for developing a coherent plan of study are provided by major requirements, by sequential prerequisites, and by optional patterns of emphasis. Departmental majors, areas of specialization, and interdepartmental programs are designed to enable every student to study at least one field in depth. These programs are sufficiently broad in scope to allow students in the same major to develop quite different plans of study in pursuit of their individual interests and goals. Each student should choose courses that are intellectually challenging and that contribute to his or her long-term objectives.

Arts and sciences students are required to take a certain number of courses in the natural sciences, the social and behavioral sciences, and the humanities. Consequently, whatever their fields of study, they have the opportunity to learn something about the basic differences in the ways questions are raised and answered in several fields of inquiry, and about the techniques for validating the answers and putting the results to use. At the same time, they may gain some of the philosophical and historical perspectives that illuminate and give form to general or specialized knowledge and help to reveal its relevance.

Both teachers and students sometimes make the assumption that independent and creative study is exclusively for the gifted. In fact, the primary requirement is that the student be highly motivated, although he or she must also demonstrate ability. The departments that make up the two arts and sciences colleges encourage all qualified students to work independently in special honors courses and seminars and in conference, studio, or laboratory work. The student is free to define a major, to determine whether a given assignment will be an adventure or a chore, free to develop its latent possibilities or merely satisfy its explicit demands. True creativity presupposes more than a gift for innovation; it requires an unceasing commitment to thinking and working at one's highest level.

As competence is gained in a chosen field, the mind should be progressively sharpened, disciplined, and enriched. The student who leaves arts and sciences studies with an enhanced understanding of self and humankind, of cultural and historical heritage, of the world and the universe, and of the moral values that make it possible to live a meaningful life, will have made the most of education, having gained something over and above the objective of vocational preparedness.

## College of Natural Sciences

David Vanden Bout, PhD, *Dean*

Michael Drew, PhD, *Interim Associate Dean, Undergraduate Education*

## Financial Assistance Available through the College

A number of scholarship funds established by individuals, foundations, and industrial or research organizations are available to students in the college. Awards are made for reasons ranging from academic promise to financial need. More information about scholarships is given at <http://cns.utexas.edu/honors/scholarships/scholarship-policies>.

## Student Services

### Academic Advising

Academic advising is a responsibility shared by advisors and students. Advisors help students clarify their values and goals, assist with the selection of courses, and monitor and evaluate students' progress toward their degrees. Each student is assigned an academic advisor in his or her proposed field of study; students are expected to communicate with their advisors before registration each semester.

### Career Services

Career Services is a multidisciplinary hub for students to explore the next phase of their professional or educational career. Additional information is given on the [Career Services website](#).

### Study Abroad (International Study)

Students are encouraged to incorporate an international experience into their course of study. In addition to the traditional study abroad programs, students may take advantage of programs specifically designed for science study, including faculty-led courses, Maymester courses, and research abroad. The Texas Institute for Discovery Education in Sciences (TIDES) provides information sessions, one-on-one advising, and resources for science students interested in these programs. For more information, see <https://cns.utexas.edu/international-study>.

## Student Programs

The College of Natural Sciences offers additional programs to supplement the degree plans. Additional information is given at <https://cns.utexas.edu/student-communities>.

### Actuarial Studies Program

The Actuarial Studies Program at The University of Texas at Austin has a long and distinguished history of producing well-prepared students, many of whom have become leaders of the actuarial profession. In the Society of Actuaries classification of North American actuarial programs, our program qualifies as one of about 70 advanced undergraduate programs and as one of about 30 graduate education or graduate education and research programs - thus providing a thorough preparation for entering an actuarial career. For more information, see <https://sites.cns.utexas.edu/actuarial-science/home>.

### Biology Scholars Program

The Biology Scholars Program (BSP) is designed to provide lower-division biochemistry and biology students with a broader understanding of the study of biology and a strong sense of community as they begin their academic careers. Throughout the two-year program, BSP provides academic support, resources for peer-led study, and community service opportunities. Each semester, BSP students take a specialized critical thinking seminar on topics that range from the study of biological sciences to graduate and professional careers in biology. These classes emphasize working in small groups and help BSP students develop strong problem-solving and study skills.

## Cornerstones Program

All entering Natural Sciences majors, freshman or transfer, are eligible for participation in the Cornerstones Program. The guiding principles for students are to connect, acclimate, navigate, and explore. Each entering freshman joins a small learning community led by a faculty or staff advisor and a peer mentor. The key components of Cornerstones are creating small learning communities, gaining tools to succeed in college, learning about majors, and developing skills and experiences to launch successful careers upon graduation. Transfer students are given the option to join the program. More information is available at <https://cns.utexas.edu/student-communities/cns-cornerstones-communities>.

## Freshman Research Initiative

The Freshman Research Initiative in the Texas Institute for Discovery Education in Science (TIDES) introduces undergraduate students to the world of scientific research at the beginning of their academic careers by integrating a three-semester research experience into coursework required for the degree. All students begin with an introductory research methods course in the first semester, followed by two semesters of work on real, cutting-edge research projects in fields like biology, biochemistry, nanotechnology, molecular biology, astronomy, physics, mathematics, and computer science. After finishing the course sequence, interested students are assisted in joining faculty or other research laboratories for further work.

## Texas Interdisciplinary Plan

The Texas Interdisciplinary Plan (TIP) transforms the learning experience for its scholars by creating small academic communities that promote academic excellence and leadership. TIP offers students who have excelled in high school and are enrolled in the College of Natural Sciences a unique opportunity to continue their academic excellence through managed courses, mentoring, collaborative study, dedicated professional academic advising, and academic and social connections. More information is available from the TIP office and at <https://cns.utexas.edu/tip-scholars>.

## Undergraduate Research

One advantage that the University offers undergraduates is the opportunity to participate in state-of-the-art research with some of the world's most respected scientists. Each department in the College of Natural Sciences supports undergraduate research programs in which students may earn University credit. Students may also earn special departmental honors for exceptional research. The college holds an annual Undergraduate Research Forum to recognize and reward students who participate in research. Additional opportunities vary from department to department; information is available in the Office for Honors, Research, and International Study.

## UTeach-Natural Sciences

UTeach-Natural Sciences is an innovative teacher preparation program that allows students to pursue middle school and secondary teacher certification within a four-year mathematics, science, or computer science degree program. While learning the subject matter of their majors, students also learn how to teach. Upon completing the program, students graduate with a bachelor's degree and are recommended for a middle school or secondary teaching certificate. The UTeach-Natural Sciences program invites students to explore their interest in teaching as early as the freshman year. Through courses taught by some of Texas's most respected secondary math and science teachers, students learn quickly whether they are suited to the profession. More information about teacher certification requirements is given in the [UTeach Natural Sciences Secondary Teaching Option Certificate](#) (p. 451) and [UTeach](#)

[Teacher Certification section](#) (p. 399) of this catalog. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

## Women in Natural Sciences

The Women in Natural Sciences (WINS) Honors Residential Program is designed to promote the involvement and success of women in the sciences. Students live together in an honors dormitory during their first year and participate in socially and educationally enriching activities. In their first semester they take an innovative small seminar class in which they are introduced to faculty members in their areas of interest. Through the seminar and a wide range of academic, cultural, and social events, WINS students are connected with other students and faculty members who share their interest in science.

## Admission and Registration

### Admission

#### Admission Policies of the College

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

Freshman and transfer students wishing to enter the College of Natural Sciences must apply for admission with the Office of Admissions. The College of Natural Sciences works jointly with the Office of Admissions to identify applicants who have demonstrated preparation and interest in mathematics and sciences. A student must be admitted to the college to pursue a degree program described in this section. A student who is denied admission to the college may seek to enter another college or school.

#### Freshman Admission

Applicants should be prepared to make the necessary placements scores on the placement exams for calculus or statistics upon admission into the college. Mathematics, in the form of calculus or statistics, is required for all natural sciences degrees. To enroll in a calculus or statistics course in college, students must first take the mathematics placement exam. Information about scores necessary for placement are posted by the [Student Division](#).

#### The Entry-Level Major

All new freshman and transfer students are admitted into the College of Natural Sciences in an entry-level major. After completing a specified set of entry-level mathematics and science courses required for the degree with a grade of at least C- in each course, students are admitted to the major and option they plan to pursue unless the major or option has special admission-to-major requirements. The computer science and statistics and data science entry-level majors are restricted to students who are admitted to these majors by the Office of Admissions.

Students admitted into the College of Natural Sciences through freshman admission or external transfer may change from one entry-level major into the other, with the exception of the computer science, neuroscience, and statistics and data science entry-level majors. The computer science, neuroscience, and statistics and data science entry-level majors are restricted to students who are admitted by the Office of Admissions or through internal transfer.

### Transfer Admission

#### Internal Transfer

Students enrolled in other colleges or schools at the University may apply by April 15 to be considered for admission into an entry-level major

in the following fall semester. If April 15 falls on a weekend or an official university holiday, the application is due on the next business day.

Admission to the college is limited and competitive. To be competitive, students should:

- Complete a minimum of 24 semester hours in residence
- Achieve a grade point average of at least 3.00 in residence
- Complete one of the following courses in residence with a grade of at least B-: Mathematics 408C, 408D, 408K, 408L, 408M, 408N, 408Q, 408R, 408S, or Statistics and Data Sciences 302F.
- Complete two of the following courses in residence with grades of at least B-: Biology 311C, Chemistry 301, 301C, 302, 302C, Physics 303K, and 303L, or majors level equivalents.
- Submit an essay describing how the intended major would impact achievement of the educational and career goals.

Students admitted through internal transfer who wish to change to a different major in the college must apply through internal transfer and be accepted in order to change majors. Public Health entry-level majors admitted through internal transfer who are not admitted to the Bachelor of Science in Public Health degree during its admission process may transfer into any Natural Sciences entry-level major other than computer science, neuroscience, and statistics and data science.

#### External Transfer

Students enrolled at other universities or colleges who wish to enter the College of Natural Sciences must apply for transfer admission through the Office of Admissions. Students must meet transfer admission deadlines and requirements.

The college seeks applicants with excellent past performance in mathematics and science courses. Admission to the college is limited and competitive, and varies each year based on the applicant pool. Meeting all of the following criteria does not guarantee admission, and failing to meet all criteria does not eliminate applicants from consideration. All students are welcome to apply.

To be competitive, it is recommended that students:

- Complete or be in progress to complete a minimum of 24 transferable semester hours when submitting the application;
- Achieve a grade point average of at least 3.0, however, the GPA to be competitive for admission is generally higher;
- Transfer one of the following with a grade of at least B-: Mathematics 408C, 408D, 408K, 408L, 408M, 408N, 408Q, 408R, 408S, Statistics and Data Sciences 302F;
- Transfer two of the following with a grade of at least B-: Biology 311C, 311D Chemistry 301, 301C, 302, 302C, Computer Science 311, 312, Physics 303K, 303L or majors level equivalents;
- Utilize all aspects of the admissions application, including essays, resume, and optional letters of recommendation to express interest in the intended academic and career path in the sciences.

The University of Texas prioritizes transfer students who have completed fewer than 70 semester hours and who are able to remain on track to complete a degree in four years, including time spent at previous institutions.

Statistics regarding past admissions cycles are available at [cns.utexas.edu/students/future/external-transfer#transfer-statistics](https://cns.utexas.edu/students/future/external-transfer#transfer-statistics).

### Adding a Simultaneous Major or Changing Majors

Students interested in declaring a simultaneous major must first discuss the impact of the simultaneous major on their progress toward degree



and develop a timely graduation plan with their academic advisors. Students eligible to pursue a simultaneous major must follow the application procedure and meet admission requirements that have been established for the simultaneous major. At minimum, students must complete 30 semester hours of coursework in residence at the University. Students interested in changing majors must meet the entry-level or admission requirements of the major they wish to enter. Students admitted through internal transfer may not add a simultaneous major in the College of Natural Sciences unless they are admitted into the simultaneous major through internal transfer.

## Admission-to-Major Requirements

### The Major in Computer Science

Several programs are available to undergraduates who wish to major in computer science. Each program involves an admission process in addition to the student's application for admission to the University. All students may apply to the University as entry-level computer science majors and later seek admission to one of the computer science programs as described in this section; those seeking admission to the Turing Scholars program may also apply to that program when they apply for admission to the University.

Admission requirements for the Bachelor of Science and Arts with a major in computer science, the Bachelor of Science in Computer Science, Option I, and the Integrated Program are given below. Those for the Bachelor of Science in Computer Science, Option II, Turing Scholars Honors, and Option III, Computer Science Honors, are given in [Academic Policies and Procedures](#) (p. 394).

### Bachelor of Science and Arts; and the Bachelor of Science in Computer Science, Option I

To apply for admission to the Bachelor of Science and Arts with a major in computer science, or the Bachelor of Science in Computer Science, Option I degree programs, the student must earn a grade of at least C- in each of three entry-level courses: Computer Science 311 or 311H, Computer Science 312, and 314 or 314H. A student may attempt two of the three entry-level courses no more than twice. The third course may be attempted only once. Symbols of *CR*, *Q*, and *W* count as course attempts.

It is recommended that students complete all of the entry-level courses in residence at the University. However, students may request that transfer courses taken prior to enrollment at The University of Texas at Austin be approved as substitutes for the entry-level courses. Upon enrollment at The University of Texas at Austin, all remaining entry-level courses must be taken in residence. The letter grades for approved transfer courses will be used in combination with entry-level courses taken in residence to calculate the grade point average required for admission to the major. Students must earn a grade point average of at least 2.00 in all courses taken in residence, and a C- or better in Computer Science 312, 311/311H, and 314/314H.

A student who is not admitted to the major may submit an appeal to the department through their advisor.

Students should consult advisors in the College of Natural Sciences Department of Computer Science for information about admission to the major.

A student admitted to the major who cannot complete Computer Science 429, 439, and 331 with grades of at least a C- within two attempts may be removed from the major and placed into the natural sciences undeclared major. Symbols of *CR*, *Q*, or *W* from the university count as course attempts. A third and final attempt may be granted if the student

is given a non-academic drop or non-academic withdrawal during the semester in which the course is taken.

### The Integrated Program in Computer Science

The Integrated Program is a curriculum of undergraduate and graduate coursework that allows the student to earn the Bachelor of Science in Computer Science and the Master of Science in Computer Science, the Master of Science in Information Studies, or the Master of Science in Computational Science, Engineering, and Mathematics degrees at the same time. The integrated Master of Science in Computer Science includes the same coursework as the traditional master's degree program, as well as the opportunity for research. The integrated Master of Science in Information Studies allows students to choose a pathway for completing a capstone and electronic portfolio comprised of a professional experience project, a master's report, or a thesis. The integrated Master of Science in Computational Science, Engineering, and Mathematics includes the same coursework as the traditional computational sciences, engineering and mathematics master's degree program and also offers opportunity for research.

Students in the Integrated Program are expected to become leaders in the profession. Highly motivated students with the personal qualities and intellectual capacity to establish successful careers in higher education and industry are encouraged to apply.

Undergraduates typically follow Option I, II, or III for their first three years, then enter the Integrated Program in their fourth year. Admission is granted only for the fall semester; May 1st is the application deadline for those who wish to begin the program the following fall. By the end of the spring semester in which they apply, students must have completed at least 60 semester hours of coursework, including Computer Science 429 or 429H, 439 or 439H, and 331 or 331H.

Admission is based on the applicant's grade point average, letters of recommendation, statement of purpose, and SAT Reasoning Test or ACT scores, as well as other relevant examples of academic ability and leadership. An applicant with a University grade point average of less than 3.50 is unlikely to be admitted. Admission may be restricted by the availability of instructional resources. Application materials and information about deadlines are published by the Department of Computer Science, available at <http://www.cs.utexas.edu/>.

Before beginning the fifth year, students in the Integrated Program must be admitted to the Graduate School and the graduate program in the Department of Computer Science, the School of Information, or the Institute of Computational Science, Engineering, and Mathematics. Application forms must be completed by January 2 of the student's fourth year. Before the application deadline, students must have completed the prescribed work common to all Bachelor of Science in Computer Science Options. They must earn an acceptable score on the Graduate Record Examinations General Test (GRE) and must have their test scores reported to the University. Students usually take the GRE in the fall semester of their fourth year.

### Integrated Coordinated Program Dietetics

Students interested in the Integrated Coordinated Program in Dietetics (ICPD) must apply for admission after completing 60 semester hours of prerequisite coursework. Applicants to the ICPD must meet the requirements for admission to the Graduate School. Upon completing the ICPD, which includes approximately 1,200 hours of supervised practice and required graduate level course work, graduates will attain both a Bachelor of Science in Nutrition and a Master of Science in Nutritional Sciences and immediately qualify for active membership in the Academy of Nutrition and Dietetics and are eligible to write the examination to become a Registered Dietitian.

Students who are admitted to the ICPD should consult the faculty advisor each semester regarding order and choice of work. During the fourth year, the following courses must be taken in the indicated term: Fall semester – Nutrition 245C, 380K (Topic 3: Experimental Design and Statistics), 390 (Topic 1) (Note: Nutrition 380K (Topic 3) and Nutrition 390 (Topic 1) will be reserved for graduate credit.); Spring semester – Nutrition 345M, 372C, 372F, 373S; Summer session – Nutrition 374C and 374P. Because these courses are taught only once a year, a student who does not take them at the indicated time may be unable to complete the program. Students must successfully complete Nutrition 380K (Topic 3) and Nutrition 390 (Topic 1) with a grade of “B” or higher in both courses to be admitted to the graduate program. Students who fail to attain a “B” or higher in Nutrition 380K (Topic 3) and Nutrition 390 (Topic 1) will complete the Bachelor of Science in Nutrition, Didactic Program in Dietetics option.

## The Bachelor of Science in Environmental Science

### Admission to the Environmental Science Program

All freshmen and external transfer students majoring in environmental science (EVS) are first admitted to the University as entry-level EVS majors in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences. After completing a minimum of 24 hours in residence, students may select the EVS major that best suits their long-term interests and, if necessary, transfer to the appropriate college/school in accordance with the regulations and procedures set forth in [General Information](#).

### Freshman Admission

Freshmen applicants seeking admission to the EVS major through the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences must meet the calculus readiness requirement by the official admissions application deadline. More information about the calculus readiness requirement is available through the University Admissions Office or online.

Freshmen applicants to the EVS major from all three colleges/schools are reviewed and admitted as a single cohort. Applications should use the Apply Texas online application and select the “Environmental Science, Entry-Level” major Option listed in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences as a first-choice major. Applicants should apply to the EVS program in the college that best suits their anticipated area of focus (geological sciences, geographical sciences, or biological sciences, respectively).

### External Transfer Admission

Students who wish to transfer to the university from another college or university must apply to the Office of Admissions as described in [General Information](#). External transfer applicants seeking admission to the Environmental Science (EVS) Degree Program through the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences must demonstrate calculus readiness by the official admissions application deadline. Details regarding transfer calculus readiness are available through the University Admissions Office or [online](#).

External transfer applicants to the EVS major from all three colleges/schools are reviewed and admitted to as a single cohort. Applicants should use the Apply Texas online application and select the “Environmental Science, Entry-Level” major Option listed in the Jackson School of Geosciences, the College of Liberal Arts, or the College of Natural Sciences as a first-choice major. Applicants should apply to the EVS program in the college that best suits their anticipated area of focus

(geological sciences, geographical sciences, or biological sciences, respectively).

### Internal Transfer Admission

Internal transfer, entry-level applications submitted to the EVS major through the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences are reviewed and admitted as a single cohort. All internal transfer applicants should use the online EVS Program Transfer Application and must meet requirements for internal transfer given in [General Information](#).

To be competitive for admission, internal transfer applicants should have a grade point average of at least 3.0 in Biology 311C, Chemistry 301, Mathematics 408C or 408N or 408K, and Geological Sciences 401 or 303.

Additional Information for all internal transfer applicants:

- Application Deadline: March 1 for entry the following academic year.
- Only currently enrolled students in good academic standing with their college of residence may apply.
- Students may apply during the semester they are completing the minimum requirements to be eligible for consideration.
- Entry-level admission to all Environmental Science majors is offered as space is available to the students who are best qualified. Decisions are based on the student’s grade point average in the introductory science and math courses listed above, University grade point average, and other factors including, but not limited to, difficulty of course load, course repetitions, proven mathematical ability, and interest in the field of Environmental Science.

Students should consult with an academic advisor for additional information on the application process and deadlines.

## The Bachelor of Human Development and Family Sciences

All Human Development and Family Sciences (HDF) majors must complete six hours of a research or field practicum taken from Human Development and Family Sciences 352, 652F, 352L, 652P, 359, and 355R. Registration for Human Development and Family Sciences 352, 652F, 352L, 652P, 359 and 355R is restricted to students whose practicum applications have been approved. Applications, as well as application deadlines, are all available online and through the practicum coordinator.

## The Bachelor of Science in Neuroscience, Option I

Prior to applying for admission to the Bachelor of Science in Neuroscience, Option I, degree program, the student must earn a grade of at least *B*- in Neuroscience 330, and either Neuroscience 335 or Neuroscience 340. Neuroscience 330, 335 and 340 must be taken in residence. The student must also complete any of the four following courses, with grades of at least *C*-: Biology 311C, 311D, 315H, 325H; Chemistry 301, 301C, CH 301H, 302, 302C, CH 302H, and 204; Mathematics 408C, 408N, 408R, 408S; and Physics 301, 316, 303K, 303L, 317K, and 317L. To be competitive for admission, the student should have a combined grade point average of at least 3.0, and preferably 3.5 in the six courses required for admission.

To apply, the student should consult advisors in the Center for First-Year Advising for information about the application process and deadlines. Applications are evaluated after the end of each fall and spring semester by the Department of Neuroscience. Students whose applications are denied may reapply twice through the supplemental admission process. Admission decisions are based on a number of factors including, but not limited to, the student’s grade point average, course load difficulty,

and written statement about their commitment to a future in the field of neuroscience.

## The Bachelor of Science in Public Health, Option I

Freshman and external transfer students who wish to become Public Health Majors are evaluated and admitted into the major by University Admissions in the Fall and Spring. Applications from internal transfer students who wish to become Public Health Majors are evaluated once yearly by the College of Natural Sciences in the Spring, for admission the following Fall. Admission decisions for internal transfers are evaluated by the public health faculty and by administrators in CNS, and admissions is based on the student's grade point average in the basic sequence science and mathematics courses, his or her University grade point average, and other factors; these factors include, but are not limited to, the difficulty of the student's course load, course repetitions, and proven mathematical ability. To be competitive for admission into the Public Health Major, the student should have a grade point average of at least 2.75 or greater. Students should consult advisors in the College of Natural Sciences Center for First-Year Advising for information about the application process and application deadlines.

## The Bachelor of Science in Public Health, Option II - Public Health Honors

Students who plan to follow Option II, Public Health Honors, must first be admitted to the Dean's Scholars Honors Program.

## The Bachelor of Science in Public Health, Option III - Advanced Program

The Option I student may apply for admission to Option III upon completion of the sixth semester with a grade point average of at least 3.40. The Option III student follows the admission schedule and policies of the School of Public Health at the University of Texas Health Sciences Center at Houston.

## The Major in Textiles and Apparel Admission to the Field Experience Programs

All textiles and apparel students must complete a field experience internship. The internship experience facilitates learning through the blending of theory and practice. The program is a cooperative effort involving three major participants: the student, the sponsoring firm or site supervisor, and the faculty coordinator.

The primary purpose of the program is to provide students with a realistic view of their profession through actual work experience in a professional environment. Experiences in the field setting challenge the student developmentally by providing an opportunity for both cognitive and effective learning.

Before beginning the internship, students will be expected to participate in interviews with representatives from participating sites. These interviews are designed to prepare students for a competitive marketplace. To ensure a placement that best meets the professional needs of each student, the program partners with organizations and support industries over a wide geographic area. The program director must approve all sites prior to a student's acceptance of the internship. Once a student accepts an approved internship, the placement is binding. Depending on the policy of the host site, the intern may or may not receive compensation. During the internship, the student is responsible for all assignments given by the faculty coordinator and the internship site. The interning student is also responsible for housing, relocation arrangements, and expenses.

Materials, information about deadlines, and directions for application are available from the Director of Internships in Textiles and Apparel.

## Option I: Apparel, Functional, and Technical Design Application Process for Internship

Students must apply and be admitted to the Apparel, Functional, and Technical Design Internship Program the semester before they plan to participate in their internship.

Before applying to the internship program, students must complete the following courses with a grade of at least C- in each: Textiles and Apparel 301, 305, 313, 314K, 316L, 366D and 355C.

### Internship Semester

Textiles and Apparel 352C. Students may opt to take additional coursework during this semester.

## Option II: Merchandising and Consumer Sciences Application Process for Internship

Students must apply and be admitted to the Merchandising and Consumer Sciences Internship Program the semester before they plan to participate in their merchandising and consumer sciences internship block.

Before applying to the internship program, students must complete the following courses with a grade of at least C- in each: Textiles and Apparel 301, 305, 313, 314K 316Q, 319C, 151, and 376. The merchandising and consumer sciences internship block is to be completed during the senior year, serving as the capstone experience for merchandising and consumer sciences majors.

### Internship Semester

The merchandising and consumer sciences internship block is comprised of four internship courses: Textiles and Apparel 353, 352M, 355P, and 377, as well as a placement in an approved field experience, all taken concurrently. Students may not enroll in additional coursework during the semester.

# Academic Policies and Procedures

## Academic Standards

### Mathematics Placement

Mathematics, in the form of calculus or statistics, is required for all natural sciences degrees. To enroll in a calculus course in the college, students must first take the mathematics placement exam. Scores necessary for placement into specific mathematics courses are posted by the [Student Division](#). More information about scores and course placement is available from academic advisors.

### Repetition of a Course

No student may enroll in any course in the College of Natural Sciences more than twice, even if the course is needed to meet degree requirements, without first obtaining the written consent of their major advisor and of the department that offers the course; students in colleges other than the College of Natural Sciences need only departmental approval. A symbol of Q or W counts as an enrollment unless it has been approved by the dean's office for nonacademic reasons.

Students may not repeat any course in which they have earned a grade of C- or better.

Departments in the college may have additional requirements for students who repeat courses.

## Removal from the Major

A Natural Sciences student whose appeal to take a course in the College of Natural Sciences for a third time and is denied may be removed from the major if the course is required for the degree.

A student who is removed from the major will be placed in the undeclared major while the student examines options to pursue another major in the College of Natural Sciences or in another college. An academic advisor will work with the student to explore opportunities for academic success and graduation.

A student who transfers the course for which a repeat appeal was denied may appeal to re-enter the major from which the student was removed. Appeals to re-enter the major are reviewed by the Associate Dean for Undergraduate Education.

## Undergraduates in a Graduate Course

The College of Natural Sciences encourages undergraduates who excel academically and would benefit from further challenges to enroll in graduate courses. With permission, undergraduates may count graduate courses toward their undergraduate degrees or may reserve them for graduate credit. To enroll in a graduate course, undergraduates must meet the University's eligibility requirements and must receive permission from the course instructor, the graduate advisor for the field in which the course is offered, and the college. Undergraduates reserving courses for graduate credit must also receive permission from the graduate dean. More information is given in [Coursework in the Graduate School and the School of Law](#) (p. 19).

## Petitions for Degree Requirements

Petitions for exceptions to degree requirements, other than the University-wide core curriculum, are handled through an online petition system. Academic advisors initiate petitions on the student's behalf and route them through departmental faculty advisors. The most common reason for petitioning is to request the substitution of transfer coursework for a specific degree requirement. Final decisions on all petitions are made by the dean's office. Degree requirements are very rarely waived outright.

## Personal Computing Devices

Students entering the College of Natural Sciences majors are encouraged to have access to a portable computing device as individual courses may require the device for certain lectures and/or labs.

## Honors

There are several avenues available for undergraduates to achieve honors recognition for exemplary academic ability and performance. They include: University Honors, graduation with University Honors, college-wide honors programs, departmental honors degree options, and completion of departmental honors.

The College of Natural Sciences offers Bachelor of Science and Arts and Bachelor of Science honors degree options in three programs that serve majors in the College of Natural Sciences: Dean's Scholars, Health Science Scholars, and Polymathic Scholars. Information about admission and requirements for each is available at [CNS Honors & Scholarships](#).

Honors degree options that are sponsored by departments include: Turing Scholars in Computer Science; and the Honors in Advanced Human Development and Family Sciences Program.

Lastly, students may earn departmental honors upon graduation through completion and approval of an undergraduate thesis.

## University Honors

University honors are earned on a semester by semester basis. Information relating to University Honors can be found in the [General Information Catalog](#).

## Graduation with University Honors

The University recognizes no more than the top 20 percent of each college's May graduating class as graduating with University Honors. To be eligible, an undergraduate must have completed at least 60 semester hours of coursework in residence at the University. Graduation with University Honors is based on the average of all grades earned in courses taken in residence at the University, whether the courses were passed, failed, or repeated. Courses taken pass/fail are counted in the 60-hour minimum, but only letter grades (including *F* in pass/fail courses) are used to determine the grade point average.

Detailed requirements for graduation from the College of Natural Sciences with University Honors are given in the [General Information Catalog](#).

## Dean's Scholars Program

Dean's Scholars is a four-year honors degree program for highly motivated and talented students with a demonstrated interest in mathematics and/or scientific research. Students earn a Bachelor of Science degree with an honors option. This option is available in all majors offered by the College of Natural Sciences.

The key features of the program are a first-semester research methods course; a breadth requirement, usually completed during the first four semesters, that exposes students to various forms of scientific inquiry; and at least two semesters of supervised research and writing that culminate in an honors thesis.

Application to the Dean's Scholars Honors Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available in the program office and on the [Dean's Scholars website](#). Students may enter the program as freshmen or as college transfers prior to their fourth long semester of enrollment at the University.

Factors in the admission decision are the student's high school and/or University grades, class rank, the rigor of the courses the student has taken, the quality of the required application essays, a strong recommendation from a mathematics or science instructor, and the student's interest in mathematics and/or scientific research as demonstrated by extracurricular activities.

To remain in good standing in the Dean's Scholars Honors Program, students are expected to maintain a minimum grade point average of 3.50. Students who do not may be dismissed from the program by the faculty director.

## Health Science Scholars Program

Health Science Scholars is a four-year honors degree program for exceptional students who are interested in the health professions and committed to community service. Students earn a Bachelor of Science and Arts degree with an honors major. An honors option is available in all majors offered under this degree by the College of natural Sciences.

The key features of the program are a first-semester research methods course; a six-credit-hour requirement in honors-level coursework in one or more science; a substantive health or service-related learning experience or laboratory research, undertaken in the third year; and an honors thesis based on their third-year project, written in the final year.

Application to the Health Science Scholars Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available on the [Health Science Scholars website](#). Students may enter the program as freshmen or as college transfers prior to their fourth long semester of enrollment at the University.

Factors in the admission decision are the student's high school and/or college grades, class rank, the rigor of the courses the student has taken, the quality of the required application essays, a strong recommendation from a mathematics or science instructor, and the student's interest in science, health and services as demonstrated by extracurricular activities.

To remain in good standing in the program, students are expected to maintain a minimum grade point average of 3.50. Students who do not may be dismissed from the program by the faculty director.

## Polymathic Scholars Program

Polymathic Scholars is a four-year honors degree program for exceptional science majors who have compelling interests or talents beyond the natural sciences and wish to make them part of their undergraduate degree. Students earn a Bachelor of Science and Arts degree with an honors major. An honors option is available in all majors offered under this degree by the College of Natural Sciences.

The key features of the program are a first-semester research methods course; a six-credit-hour requirement in honors-level coursework in one or more science; a multidisciplinary field of study outside the student's major, conceived and designed by the student and including no fewer than four courses; and an honors thesis on a question within that field, written in the final year.

Application to the Polymathic Scholars Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available on the [Polymathic Scholars website](#). Students may enter the program as freshmen or as college transfers prior to their fourth long semester of enrollment at the University.

Factors in the admission decision are the student's high school and/or college grades, class rank, the rigor of the courses the student has taken, the quality of the required application essays, a strong recommendation from a mathematics or science instructor, and the student's investment in science as well as in one or more areas beyond science, as demonstrated by extracurricular activities.

To remain in good standing in the program, students are expected to maintain a minimum grade point average of 3.50. Students who do not may be dismissed from the program by the faculty director.

## Turing Scholars in Computer Science

The Department of Computer Science offers a comprehensive honors degree program for highly motivated and talented students. The key features of the program are an intensive, accelerated freshman- and sophomore-year program; special Turing Scholars sections of many advanced computer science courses; a second-semester freshman-year course that introduces students to the research activities of the department; and at least two semesters of supervised research and writing. Upon completion of both a sequence of Turing Scholars courses, approved by the program director, and an approved thesis, students graduate as Turing Scholars in Computer Science.

Students in the Turing Scholars program pursue the Bachelor of Science in Computer Science, option II. Application to the program is separate from, and in addition to, application to the University.

Application materials and information about deadlines are available in the Department of Computer Science and on the [Turing Scholars website](#). Students may enter the program either as freshmen or after they have enrolled at the University. Factors in the admission decision are the student's high school grades and class rank, the rigor of the courses the student has taken, the quality of the required application essays, and the student's interest and aptitude in math, science, and computing as demonstrated by extracurricular activities.

More information about the degree program is given in the [Degrees and Programs](#) (p. ) section.

## Honors In Advanced Human Development and Family Sciences Program

The Department of Human Development and Family Sciences offers a comprehensive honors degree program for highly motivated and talented students. The key features of the program are a core of small, select Human Development and Family Sciences courses that expose students to the research activities of the department, and at least two semesters of supervised research and writing that culminates in an honors thesis and presentation of student research in an approved public forum. Application to the Human Development and Family Sciences Honors Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available in the Department of Human Development and Family Sciences and [online](#). Students may enter the program as freshmen, as transfer students, or after they have enrolled at the University. Factors in the admission decision are the student's high school and/or University grades, class rank, the rigor of the courses the student has taken, faculty recommendations, standardized test scores and the student's interest and aptitude in math and science as demonstrated by relevant extracurricular activities.

More information about the degree program is given in the [Degrees and Programs](#) (p. ) section.

## Honors In Advanced Nutritional Sciences Program

The Department of Nutritional Sciences offers a comprehensive honors degree program for highly motivated and talented students. The key features of the program are a core of select nutrition courses that expose students to the research activities of the department; and at least four supervised research courses (12 credit hours total) that culminate in an honors thesis and presentation of the student's research in an approved public forum. Application to the Honors in Advanced Nutritional Sciences Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available in the Department of Nutritional Sciences and [online](#). Students may enter the program as freshmen, as transfer students, or after they have enrolled at the University. Factors in the admission decision are the student's high school and/or University grades, class rank, the rigor of the courses the student has taken, the quality of the required application essays, faculty recommendations, and the student's interest and aptitude in math and science as demonstrated by relevant academic and extracurricular activities.

More information about the degree program is given in the [Degrees and Programs](#) (p. ) section.

## College Honors Departmental Honors

Most departments in the College of Natural Sciences offer departmental honors programs to their majors. Minimum requirements for the

completion of all such programs include (1) a University grade point average of at least 3.00; (2) a three-semester-hour thesis or research project, or a reasonable equivalent, with a grade of at least *B*-; some programs may require a higher grade; (3) completion, with a grade point average of at least 3.50, of the coursework required for a major in the field in which the student seeks honors; and (4) completion at the University of at least 60 semester hours of coursework counted toward the degree.

The statement "Special Honors in (name of field)" appears on the transcript of each graduate certified as having completed the honors program.

## Astronomy Departmental Honors

It is highly recommended that majors who plan to seek special honors in astronomy apply to the honors advisor for admission to the program by the end of the third year, and absolutely no later than the beginning of the fourth year; A University grade point average of at least 3.00 and a grade point average in physics and astronomy of at least 3.50 are required for admission to the honors program.

The requirements for graduation with departmental honors are (1) Astronomy 379H, *Honors Tutorial Course*, Natural Sciences 371, *Capstone Thesis Seminar*, Tutorial Course 660H, *Thesis Course: Honors*, or an alternative astronomy course approved by the faculty advisor, in which the student completes a supervised research project; (2) a written report and an oral or poster presentation of the research project approved by the research supervisor and the honors advisor; (3) a final University grade point average of at least 3.00 and a grade point average in physics and astronomy of at least 3.50; (4) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Biochemistry Departmental Honors

Majors who plan to seek special departmental honors in biochemistry should apply to the departmental honors advisor for admission to the honors program no later than the beginning of the senior year. A University grade point average of at least 3.00 and a grade point average in biochemistry and chemistry of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors are (1) all requirements for the degree of Bachelor of Science in Biochemistry; (2) two semesters of Biochemistry 379H, *Biochemistry Honors Tutorial Course*; (3) a thesis and a presentation based on research; the research topic and the thesis must be approved by the supervising faculty member and the departmental honors advisor; (4) a University grade point average of at least 3.00 and a grade point average in biochemistry and chemistry of at least 3.50; (5) completion at the University of at least 60 semester hours of coursework counted toward the degree; and (6) approval of the honors advisor.

## Biology Departmental Honors

Majors who plan to seek special departmental honors in biology should apply to the departmental honors advisor for admission to the honors program no later than the beginning of the senior year. A University grade point average of at least 3.00 and a grade point average in biology of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors, which are in addition to the requirements of the major, are (1) two semesters of Biology 379H, *Honors Tutorial Course*; (2) a thesis based on original research and approved by the supervising faculty member and the honors advisor; honors students in the human biology option must select both a thesis supervisor and a second reader, one of whom must be a tenure-track faculty member, Senior Lecturer, or Associate or Full Professor of Instruction, in the Departments of Molecular Biosciences, or

Integrative Biology; (3) a University grade point average of at least 3.00 and a grade point average in biology of at least 3.50; and (4) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Chemistry Departmental Honors

Majors who plan to seek special departmental honors in chemistry should apply to the honors advisor for admission to the honors program no later than the beginning of the senior year. A University grade point average of at least 3.00 and a grade point average in chemistry of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors are (1) all requirements for the degree of Bachelor of Science in Chemistry; (2) two semesters of Chemistry 379H, *Chemistry Honors Tutorial Course*; (3) a thesis and a presentation based on research; the research topic and the thesis must be approved by the supervising faculty member and the undergraduate faculty advisor; (4) a University grade point average of at least 3.00 and a grade point average in chemistry of at least 3.50; (5) completion at the University of at least 60 semester hours of coursework counted toward the degree; and (6) approval of the honors advisor.

## Computer Science Departmental Honors

Students seeking special departmental honors must meet with a faculty advisor at least two semesters before they plan to graduate to discuss potential research topics and the requirements for receiving special departmental honors.

The requirements for graduation with special departmental honors are (1) Computer Science 379H, *Computer Science Honors Thesis*, with a grade of at least *B*-; (2) a University grade point average of at least 3.00 and a grade point average in computer science of at least 3.50; (3) a thesis and presentation based on research and approved by three faculty members, including the honors advisor; and (4) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Human Development and Family Sciences Departmental Honors

Majors who plan to seek special departmental honors in human development and family sciences should apply to the Departmental Honors Committee for admission to the honors program no later than the beginning of the senior year. The requirements for admission are a University grade point average of at least 3.00 and a grade point average of at least 3.50 in coursework in the School of Human Ecology that is required for the degree.

The requirements for graduation with special departmental honors are (1) all requirements for the degree of Bachelor of Science in Human Development and Family Sciences; (2) Human Development and Family Sciences 379H, *Honors Tutorial Course*; (3) completion of an honors thesis and an accompanying presentation, both of which must be approved by a committee consisting of the research supervisor and another faculty member; (4) a University grade point average of at least 3.00, a grade point average in Human Development and Family Sciences 379H of at least 3.00, and a grade point average of at least 3.50 in coursework in the School of Human Ecology that is required for the degree and for honors; and (5) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Human Ecology Departmental Honors

Majors who plan to seek special departmental honors in human ecology must follow the requirements of the departmental honors program

in human development and family sciences, nutrition, or textiles and apparel.

## Mathematics Departmental Honors

Majors who plan to seek special departmental honors in mathematics should apply to the honors advisor for admission to the honors program at least two semesters before their expected graduation. A University grade point average of at least 3.00 and a grade point average in mathematics of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors are (1) Mathematics 379H, *Honors Tutorial Course*; (2) a thesis on the subject of the student's research or project approved in comprehensive examination by a committee consisting of at least three faculty members; (3) a University grade point average of at least 3.00 and a grade point average in mathematics of at least 3.50; and (4) completion at the University of at least 60 semester hours of coursework counted toward the degree. In order to fulfill the first requirement, students must meet the prerequisite of Mathematics 379H—Mathematics 365C, 367K, 373K, or 374G with a grade of at least A-, and another of these courses with a grade of at least B-; and consent of the honors advisor.

## Neuroscience Departmental Honors

Majors who plan to seek special departmental honors in neuroscience should apply to the honors advisor for admission to the honors program no later than the beginning of their senior year. A University grade point average of at least 3.00 and a grade point average in neuroscience of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors are (1) two semesters of neuroscience research coursework, including Neuroscience 379H, *Honors Tutorial Course*; (2) a thesis based on original research and approved by the supervising faculty member and the honors advisor; (3) a University grade point average of at least 3.00 and a grade point average in neuroscience of at least 3.50; and (4) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Nutrition Departmental Honors

Majors who plan to seek special departmental honors in nutrition should apply to the Departmental Honors Committee for admission to the honors program no later than the beginning of the senior year. The requirements for admission are a University grade point average of at least 3.00 and a grade point average of at least 3.50 in coursework in the School of Human Ecology that is required for the degree.

The requirements for graduation with special departmental honors are (1) all requirements for the degree of Bachelor of Science in Nutrition; (2) Nutrition 379H, *Honors Tutorial Course*; this course may be repeated once for credit; (3) completion of an honors thesis and an accompanying presentation, both of which must be approved by a committee consisting of the research supervisor and another faculty member; (4) a University grade point average of at least 3.00, a grade point average in Nutrition 379H of at least 3.00, and a grade point average of at least 3.50 in coursework in the School of Human Ecology that is required for the degree and for honors; and (5) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Physics Departmental Honors

Majors who plan to seek special departmental honors in physics should apply to the honors advisor for admission to the honors program near the end of the third year. A University grade point average of at least 3.00 and a grade point average in physics of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors are (1) Physics 379H, *Honors Tutorial Course*; (2) a written honors thesis approved by faculty readers assigned by the department; (3) a University grade point average of at least 3.00 and a grade point average in physics of at least 3.50; and (4) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Public Health Departmental Honors

Majors who plan to seek departmental honors in public health should apply to the honors advisor for admission to the honors program no later than the beginning of the senior year. Students are encouraged to apply as early as the beginning of the junior year. A University grade point average of at least 3.00 and a grade point average in public health of at least 3.50 are required for admission.

The requirements for graduation with special departmental honors are (1) all requirements for the degree of the Bachelor of Science in Public Health; (2) two semesters of Public Health 379H, *Honors Tutorial Course*; (3) a thesis and presentation based on research and approved by the research supervisor and the honors advisor; (4) a University grade point average of at least 3.00, a grade point average in public health of at least 3.50, and grades of at least a B in Public Health 379H; and (5) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Textiles and Apparel Departmental Honors

Majors who plan to seek special departmental honors in textiles and apparel should apply to the Departmental Honors Committee for admission to the honors program no later than the beginning of the senior year. The requirements for admission are a University grade point average of at least 3.00 and a grade point average of at least 3.50 in coursework in the School of Human Ecology that is required for the degree.

The requirements for graduation with special departmental honors are (1) all requirements for the degree of Bachelor of Science in Textiles and Apparel; (2) Textiles and Apparel 379H, *Honors Tutorial Course*; this course may be repeated once for credit; (3) completion of an honors thesis and an accompanying presentation, both of which must be approved by a committee consisting of the research supervisor and another faculty member; (4) a University grade point average of at least 3.00, a grade point average in Textiles and Apparel 379H of at least 3.00, and a grade point average of at least 3.50 in coursework in the School of Human Ecology that is required for the degree and for honors; and (5) completion at the University of at least 60 semester hours of coursework counted toward the degree.

## Graduation

### Special Requirements of the College

All students must fulfill the [General Requirements](#) (p. 20) for graduation. Students in the College of Natural Sciences must also fulfill the following requirements:

- The University requires that the student complete in residence at least 60 semester hours of the coursework counted toward the degree. For the Bachelor of Arts, Plan I, and the Bachelor of Science and Arts, these 60 hours must include at least 18 hours in the major.
- The University requires that at least six semester hours of advanced coursework in the major be completed in residence. Additional hours in the professional or major sequence in many cases are required by individual natural sciences degree programs.
- A candidate for a degree must be registered in the College of Natural Sciences either in residence or in absentia the semester the degree

is to be awarded. Graduation applications must be submitted no later than the date given in the academic calendar. The application and supplemental in absentia instructions are available via the [College of Natural Sciences website](#).

## Applying for Graduation

An electronic degree audit is created for each student each semester. The student should view the audit through IDA, the University's Interactive Degree Audit system. The degree audit tells the student the courses he or she must take and the requirements he or she must fulfill to receive the degree. The degree audit normally provides an accurate statement of requirements, but the student is responsible for knowing the requirements for the degree as stated in a catalog under which he or she is eligible to graduate and for registering so as to fulfill all these requirements. The student should speak with his or her assigned academic advisor before registering if in doubt about any requirement.

In the semester in which the degree is to be conferred, the candidate must be registered at the University and must file an online graduation application form via the graduation section of the [College of Natural Sciences website](#). This should be done during the first week of classes, if possible, but in no event later than the deadline to apply for an undergraduate degree; this date is given in the official academic calendar. No degree will be conferred unless the graduation application form has been filed on time.

## Degrees and Programs

The College of Natural Sciences offers the following undergraduate degrees:

- a. Bachelor of Science and Arts, with majors in astronomy, biology, chemistry, computer science, human development and family sciences, human ecology, nutrition, mathematics, neuroscience, and physics.
- b. Bachelor of Science degrees in astronomy, biochemistry, biology, chemistry, computer science, environmental science, human development and family sciences, mathematics, medical laboratory science, neuroscience, nutrition, physics, public health, statistics and data sciences, and textiles and apparel.
- c. Bachelor of Arts, Plan I, with majors in astronomy, chemistry, computer science, mathematics, and physics.

The Bachelor of Science and Arts degree offers a cross-disciplinary experience for students who want to combine a strong core science experience with coursework in areas such as business, communications, fine arts, and the liberal arts. Students choose a major of up to 55 hours of science and mathematics. Students choose either a transcript-recognized minor outside of the sciences, 15 hours in a field of study outside of sciences, or an 18 to 24 hour transcript-recognized certificate. A full list of the minor and certificate programs offered at the University can be found in [The University section](#) (p. 14) of the *Undergraduate Catalog*.

The Bachelor of Science degrees provide deep exploration of science fields for students preparing for graduate science programs and careers as specialized scientists. The degrees contain between 80 to 90 hours of science and mathematics, and typically have multiple specialized options that reflect niche areas of study.

The Bachelor of Arts, Plan I, is shared with the College of Liberal Arts.

A student may not earn more than one Bachelor of Arts, Bachelor of Science and Arts, or Bachelor of Science in Environmental Science degree from the University. A student may earn only one undergraduate

degree in a particular field of study from the College of Natural Sciences. Biology, biochemistry, and neuroscience are considered one field of study. Biochemistry and Chemistry are considered one area of study. A student who holds a Bachelor of Arts or a Bachelor of Science and Arts degree from the University may earn a second major designation in another field of study that will appear on the University transcript.

The title of a graduate's degree appears on his or her diploma, but the major does not. The degree, the major, the transcript-recognized certificate, and the minor appear on the graduate's University transcript. A natural sciences student who wishes to add another major in the college must meet the criterion described in the [Admission and Registration](#) (p. 391) section.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses and Kinesiology 119 may not be counted toward a degree in the College of Natural Sciences. However, they are counted as courses for which the student is enrolled, and the grades are included in the grade point average.

### ROTC Courses

ROTC units are maintained on campus by the Departments of Air Force Science, Military Science, and Naval Science. Information about each program is available from the chair of the department.

Nine semester hours of designated University of Texas at Austin coursework in air force science, military science, or naval science may be counted toward any degree in the College of Natural Sciences.

### Courses Taken on the Pass/Fail Basis

No more than 16 semester hours taken on the pass/fail basis may be counted toward the Bachelor of Arts, Plan I. No more than six semester hours taken on the pass/fail basis may be counted toward the Bachelor of Science and Arts degree and the Bachelor of Science degrees. In general, only electives may be taken on the pass/fail basis. Complete rules on registration on the pass/fail basis are given in the [General Information Catalog](#).

### Courses in a Single Field

For the Bachelor of Arts, Plan I, no more than 39 hours may be counted in any one field of study, including the major, unless major requirements state otherwise. Additionally, for the Bachelor of Arts, Plan I, no more than 39 hours may be counted in any one college or school other than the College of Liberal Arts or the College of Natural Sciences.

### College Algebra

Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward a degree in the College of Natural Sciences.

### Chemistry

Students seeking the degree of Bachelor of Science in Chemical Engineering or Bachelor of Science in Physics must take The University of Texas at Austin Test for Credit in Chemistry 301 if they were admitted to the University with high school credit in chemistry. Engineering majors in areas other than chemical engineering are also encouraged to take the test. The tests are offered only in Austin. Information about them is available at <https://testingservices.utexas.edu/sts>.

Each student planning to register for a chemistry course should consult an advisor in his or her major area to determine whether specific courses are required.



## Computer Science

An undergraduate may not enroll in any computer science course more than once without written consent of an undergraduate advisor in computer science. No student may enroll in any computer science course more than twice. No student may take more than three upper-division computer science courses in a semester without written consent of an undergraduate advisor in computer science.

## Mathematics

The Department of Mathematics offers a wide variety of courses both for math majors and for non-majors. Students interested in mathematics as a first or second major should consult the advisors in the Mathematics, Physics, and Astronomy Advising Center, in RLM 4.101.

Course prerequisites are enforced. Most entry-level mathematics courses have an appropriate score on the mathematics placement exam as a prerequisite. In such courses, students must be prepared to present proof of their score immediately after classes have begun; those unable to meet the score will be dropped.

Students may check the current *Course Schedule* or go to the [Department of Mathematics website](#) for details about the prerequisite required for their course.

Students who plan to use transfer credit to meet the prerequisite of a mathematics course must submit an official transcript to the Office of Admissions so that the credit may be added to their official university record. In addition to sending a transcript, students are encouraged to retain hard copies of their grade reports for proof of prerequisite until their transcripts are processed.

Students who wish to enroll in conference courses in the Department of Mathematics must submit consent of instructor forms to the department before registering. Forms are available in the Advising Center.

The information in parentheses after a course number is the Texas Common Course Numbering (TCCN) designation. Only TCCN designations that are exact semester-hour equivalents of University courses are listed here. Additional TCCN information is given in [Appendix A](#) (p. 531).

## Concurrent Enrollment

Concurrent enrollment is enrollment simultaneously at the University and at another educational institution or in University Extension. Math and science courses may not be taken concurrently during fall and spring semesters and will not be counted toward a degree unless they are specifically approved in advance by the College of Natural Sciences. The college permits concurrent enrollment during summers without prior approval and during fall and spring semesters with certain restrictions. Students must see their academic advisors to petition for approval. No more than 30 percent of the semester hours required for any degree in the college may be completed online with University Extension.

## UTeach-Natural Sciences Teacher Certification

UTeach-Natural Sciences prepares students in the College of Natural Sciences, the Jackson School of Geosciences, and Cockrell School of Engineering for secondary teacher certification in Science, Technology, Engineering, and Mathematics (STEM). However, students in any major at the University may seek STEM teacher certification through UTeach-Natural Sciences.

There are two ways undergraduate students can seek STEM teacher certification through UTeach-Natural Sciences:

- a. Undergraduates can complete the courses for certification as electives within a standard bachelor's degree program.
  - Lists of the required content courses and additional certification requirements, are available in the UTeach-Natural Sciences office and [online](#).
- b. Undergraduates can consider the teaching options in [biology](#) (p. 419), [chemistry](#) (p. 423), [geological sciences](#) (p. ), [mathematics](#) (p. 434), and [physics](#) (p. 443) degree programs.
  - This option is strongly encouraged because these majors incorporate all courses required for teacher certification.

Degree holders and qualifying seniors may apply for the UTeach Accelerate track to teacher certification. This track has the same requirements as the undergraduate track, but in a more compressed form with class sections offered at non-traditional times. UTeach Accelerate is limited to degree-holders and seniors with no more than two (2) long semesters left to earn the undergraduate degree. In addition to admission to The University of Texas at Austin, students must be accepted into the UTeach Accelerate track.

The application requires the following:

- application form
- resume
- two letters of recommendation
- transcript
- essay
- interview

The courses required for teacher certification include a minimum of 30 field-based experience (FBE) hours prior to the clinical teaching experience. All students in these field experience courses, UTeach-Natural Sciences 101, 110, 211 (restricted to students on the Accelerate track), Curriculum and Instruction 365C, 365D, 365E, 665 (restricted to students on the Accelerate track), which are part of the Professional Development Sequence, are observed by and receive feedback from highly-qualified Professors of Practice and select in-service educators throughout each semester. Students must pass the field experience in order to pass these courses. During clinical teaching, UTeach-Natural Sciences 170, Curriculum and Instruction 651 S, and UTeach-Natural Sciences 171 (2<sup>nd</sup> semester interns only) supervision and feedback are provided by Professors of Practice, field supervisors, and the cooperating teacher.

Upon transcript review, students on the Accelerate track may be required to take additional content courses so that they are prepared to pass the State-required certification exams and so that they meet State standards for secondary educators in the classroom. This review is conducted by faculty in the specific disciplines.

To complete the UTeach program and be recommended for teacher certification at the secondary level in the State of Texas, the student must have a University grade point average of at least 2.50. The student must have earned a grade of at least C- in each of the professional development courses and supporting courses listed below and must pass the final teaching portfolio review. Students on the Accelerate track must pass the UTeach Observation Protocol (UTOP) evaluation and portfolio review.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Undergraduate Professional Development Sequence

All students seeking teacher certification must complete the following courses:

Requirements	Hours
UTS 101 Secondary Teacher Education Preparation: Step 1	1
UTS 110 Secondary Teacher Education Preparation: STEP 2	1
UTS 170 Student Teaching Seminar	1
EDC 651S Secondary School Teaching Practicum	6
EDC 365C Knowing and Learning in Math and Science	3
EDC 365D Classroom Interactions	3
EDC 365E Project-Based Instruction	3

### Supporting Courses

Requirements	Hours
One of the following:	3
BIO 337 Selected Topics in Biology (Topic 2: Research Methods: UTeach)	
CH 368 Advanced Topics in Chemistry (Topic 1: Research Methods: UTeach)	
PHY 341 Selected Topics in Physics (Topic 7: Research Methods: UTeach)	
One of the following:	3
HIS 329U Perspectives on Science and Mathematics	
PHL 329U Perspectives on Science and Mathematics	

## UTeach Accelerate Professional Development Sequence

All students seeking teacher certification must complete the following courses:

Requirements	Hours
UTS 211 Secondary Teacher Education Prep: Advanced Steps	2
EDC 365C Knowing and Learning in Math and Science	3
EDC 665 Classroom Interactions and Project Based Instruction	6
UTS 170 Student Teaching Seminar	1
EDC 651S Secondary School Teaching Practicum	6

### Supporting Courses

Requirements	Hours
One of the following:	3
BIO 337 Selected Topics in Biology (Topic 2: Research Methods: UTeach)	
CH 368 Advanced Topics in Chemistry (Topic 1: Research Methods: UTeach)	

PHY 341	Selected Topics in Physics (Topic 7: Research Methods: UTeach)	
One of the following:		3
HIS 329U	Perspectives on Science and Mathematics	
PHL 329U	Perspectives on Science and Mathematics	

Interested undergraduate students are encouraged to start the program at any time during their undergraduate careers. Students must be considering a teaching career in secondary science, computer science, mathematics, and/or engineering, and must meet grade point average requirements. Students interested in the Accelerate track are encouraged to make an advising appointment by calling 512-232-2770 to review eligibility requirements. Students interested in teaching earlier grades should consult the College of Education. See [Preparation for Teacher Certification](#) (p. 18) for additional information.

## Bachelor of Arts, Plan I

The requirements for the Bachelor of Arts under Plan I are designed to give each student flexibility in the selection of courses to meet individual needs.

A total of 120 semester hours is required. 36 hours must be in upper-division courses. At least 60 hours, including 21 hours of upper-division coursework, must be completed in residence at the University; at least 24 of the last 30 hours must be completed in residence at the University. Provided residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the hours required for the degree), or, with the approval of the dean, by work transferred from another institution. Up to 16 semester hours of classroom and/or correspondence coursework may be taken on the pass/fail basis; this coursework may be counted only as electives.

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - i. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - ii. Quantitative reasoning: one flagged course
  - iii. Global cultures: one flagged course
  - iv. Cultural diversity in the United States: one flagged course
  - v. Ethics: one flagged course
  - vi. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

Courses in the major and additional coursework may also be used to fulfill prescribed work requirements unless expressly prohibited. A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work area; the only exception to this rule is that a course that fulfills one requirement may also be used to fulfill a flag requirement. Courses that fulfill these flag requirements will be identified in the [Course Schedule](#) by the appropriate flags.

The student must fulfill both the [University General Requirements](#) (p. 20) for graduation and the [Requirements of the College of Natural](#)

Sciences (p. 398). University graduation requirements include a grade point average of at least 2.00 in all courses taken at the University (including credit by examination, correspondence, and extension) for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded; for the Bachelor of Arts, Plan I, the student must also earn a grade point average of at least 2.00 in courses taken at the University and counted toward the major requirement. The student should also refer to the description of his or her major in the section "Majors and Additional Coursework" below, since some majors include higher minimum scholastic requirements.

More information about grades and the grade point average is given in the [General Information Catalog](#).

### Prescribed Work

- a. *Writing*: Two courses beyond Rhetoric and Writing 306 or the equivalent that carry a writing flag. One of these courses must be upper-division. Courses with a writing flag are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified.
- b. *Foreign language*: Proficiency in a language other than English is required. The foreign language requirement is the attainment of an intermediate level of competency as determined by the completion of any one of the following options:
  - a. Certified proficiency on a placement or credit-by-examination test;
  - b. A passing grade in a language course listed in the [College of Liberal Arts section](#) (p. 297);
  - c. Students who wish to meet the requirement with proficiency in a language not listed in the table found in the College of Liberal Arts section above should contact the Texas Language Center.
- c. *Social science*: Three semester hours chosen from a list of approved courses, in addition to the course used to fulfill the social and behavioral sciences requirement of the core curriculum. The course(s) must be in a field of study taught in the College of Liberal Arts and must be in a different field of study from the course used to fulfill the social and behavioral sciences requirement of the core.

Courses on the approved list are primarily in anthropology, economics, geography, linguistics, psychology, and sociology, but not every course in these fields is approved. Courses that are approved to count toward any core curriculum area other than social and behavioral sciences may not be counted toward this requirement.

The list is available each semester in the Student Division and on the [College of Liberal Arts website](#).

- d. *Mathematics*: Three semester hours in mathematics, excluding Mathematics 301, 316K, and 316L
- e. *Natural science*: Six semester hours in natural sciences, in addition to the courses counted toward the science and technology requirements of the core curriculum. Courses used to fulfill this requirement must be chosen from the fields of study listed below; no more than three hours may be in either the history of science or the philosophy of science.

To satisfy the mathematics and science and technology requirements of the core curriculum and the natural science requirement of the Bachelor of Arts, Plan I, a student may count (1) no more than 12 hours in mathematics, computer science, and

statistics and data sciences combined; and (2) no more than nine hours in any single field of study.

- a. Astronomy
  - b. Biology
  - c. Chemistry
  - d. Geological sciences
  - e. Marine science
  - f. Nutrition
  - g. Physical science
  - h. Physics
  - i. Mathematics (excluding Mathematics 301), computer science, statistics and data sciences
  - j. Other alternative science courses approved by the dean
  - k. Approved alternative courses in history of science and philosophy of science
- f. *Cultural expression, human experience, and thought*: Three semester hours chosen from a list of approved courses. The course(s) must be in a field of study taught in the College of Liberal Arts. A course counted toward any requirement of the core curriculum may not also be counted toward this requirement.

A list of approved courses is available each semester in the Student Division and on the [College of Liberal Arts website](#).

## Electives

In addition to the core curriculum, prescribed work, and major and additional coursework, the student must complete enough elective coursework to provide the 120 semester hours required for the degree. These 120 hours may include no more than 12 semester hours of bible courses; nine hours of designated coursework in air force science, military science, or naval science; 16 hours completed on the pass/fail basis; 39 hours in any one field of study offered in the College of Liberal Arts or the College of Natural Sciences, unless major requirements state otherwise; and 39 hours in any other single college or school of the University.

## Majors and Additional Coursework

### Major Requirements

The Bachelor of Arts, Plan I, requires the completion of all requirements for one major.

The number of semester hours required in the major varies with the field selected. Unless the requirements of the major state otherwise, a major consists of at least 24 but no more than 39 semester hours, with at least 15 hours in upper-division courses. Of these 15 hours, six must be completed in residence. At least 18 hours of coursework in the major, including six hours of upper-division coursework, must be completed in residence at the University.

### Additional Coursework

Students in most majors must also fulfill the requirements of additional coursework. The requirements of the additional coursework are established by the major department and are given with the major requirements. Additional restrictions may be imposed by the academic department(s) in which the student takes the courses used to fulfill the requirements of the additional coursework; before planning to use a course to fulfill the additional coursework requirement, the student should consult the department that offers the course.

# Astronomy

## Major

The following coursework is required:

- Physics 301 and 101L
- Physics 316 and 116L (Prerequisites: Physics 301 and 101L)
- Physics 315 and 115L (Prerequisites: Physics 316 and 116L)
- Nine semester hours of upper-division coursework in astronomy, including at least two of the following courses: Astronomy 352K, 352L, 353, 358, 364P.
- Six additional upper-division hours in astronomy and/or physics

## Additional Coursework

Completion of the following:

- Six hours of coursework (other than astronomy, lower-division physics, lower-division mathematics, and Mathematics 427J or 427K) approved by the undergraduate advisor;
- Six additional hours of upper-division physics, or six hours of upper-division coursework approved by the undergraduate advisor.

Students must earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00.

All astronomy majors should consult the astronomy undergraduate advisor regularly about the choice of appropriate courses in both the major and the additional coursework. Qualified students are encouraged to carry out a supervised research project by taking a conference course, such as Astronomy 375 or 379H. No more than six of the hours counted toward the major requirement may be earned in conference courses.

## Suggested Arrangement of Courses, Astronomy (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (General Education) <sup>020, QR</sup>	4	M 408D (General Education)	4	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	PHY 301 (Core, Major) <sup>030, QR</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	PHY 101L (Major)	1		
Foreign Language (General Education)	5	Visual and Performing Arts (Core) <sup>050</sup>	3		
		Foreign Language (General Education)	5		
15		16		0	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427J (Major) <sup>QR</sup>	4	PHY 315 (General Education/Major) <sup>QR</sup>	3	Study Abroad (Opportunity)	
PHY 316 (Core, Major) <sup>030, QR</sup>	3	PHY 115L (Major)	1	Internship (Opportunity)	
PHY 116L (Major)	1	Natural Science and Technology, Part II (Core) <sup>093</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Foreign Language (General Education)	3		
Foreign Language (General Education)	3	Free elective (Elective)	3		
Free elective (Elective)	3				
17		13		0	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division AST course (Major)	3	Upper-division AST course (Major)	3	Study Abroad (Opportunity)	
Upper-division PHY course (Major)	3	Upper-division PHY course (Major)	3	Internship (Opportunity)	
Approved course (Major)	3	Approved course (Major)	3		
U.S. History (Core) <sup>060</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	Upper-division elective (Elective)	3		
15		15		0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division AST course (Major)	3	Upper-division AST course (Major)	3	(None)	
Upper-division AST or PHY course (Major)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
Social Science course (General Education)	3	Culture expression, human experience, and thought course (General Education)	3		
GOV 312L (Core) <sup>070</sup>	3	Upper-division elective (Elective)	3		
Upper-division elective (Elective)	3	Upper-division elective (Elective)	3		
		Maymester (Opportunity)			
15		15		0	
Total credit hours: 121					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Chemistry

## Major

- Chemistry 301 or CH 301H
- Chemistry 302 or CH 302H
- Chemistry 204 or 317
- One of the following sequences:
  - Chemistry 220C, 320M, 320N; or
  - Chemistry 128K, 128L, 328M, and 328N
- Chemistry 353
- Chemistry 153K
- Chemistry 354 or 354L
- Chemistry 154K

- i. Chemistry 456
- j. Chemistry 376K

E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	GOV 312L (Core) <sup>070</sup>	3
		Free elective (Elective)	3
		Free elective (Elective)	3
<b>12</b>		<b>16</b>	

## Additional Coursework

- a. Mathematics 408C and 408D, or Mathematics 408N, 408S, and 408M
- b. Eight semester hours of physics chosen from one of the following sequences:
  - i. Physics 303K, 103M, 303L, and 103N
  - ii. Physics 301, 101L, 316, and 116L
  - iii. Physics 317K, 117M, 317L, and 117N
- c. Completion of one of the following sequences:
  - i. Twelve semester hours of majors-level coursework in biology, mathematics, or physics. Mathematics in requirement one or physics in requirement two may count toward the 12-hour total
  - ii. Computer Science 303E, 313E, and six hours chosen from Computer Science 323E, 324E, 326E, 327E, and 329E. Students choosing this option may simultaneously fulfill some of the requirements of the Elements of Computing Certificate
  - iii. With written consent of the department chair and approval of the dean, 12 semester hours in a field of study outside the College of Natural Sciences

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 154K (Major)		1 CH 376K (Major) <sup>II, QR, Wr</sup>		3 (None)	
CH 456 (Major) <sup>QR</sup>		4 BIO, Math, or PHY course (Major)		3	
BIO, Math, or PHY course (Major)		3 BIO, Math, or PHY course (Major)		3	
Social Science course (General Education)		3 Cultural Expression, Human Experience, and Thought course (General Education)		3	
U.S. History (Core) <sup>060</sup>		3 Free elective (Elective)		3	
Free elective (Elective)		3 Maymester (Opportunity)			
<b>17</b>		<b>15</b>		<b>0</b>	

Total credit hours: 120

Students must earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00.

## Suggested Arrangement of Courses, Chemistry (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 301C (Core/Major) <sup>030, QR</sup>		3 CH 302C (Major) <sup>030, QR</sup>		3 Study Abroad (Opportunity)	
M 408N or 408C (Core) <sup>020</sup>		4 CH 204 or 317 (Major) <sup>QR</sup>		2 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 M 408S or 408D (Major)		4	
Visual and Performing Arts (Core) <sup>050</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 U.S. History (Core) <sup>060</sup>		3	
<b>16</b>		<b>15</b>		<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 328M, <b>and</b> CH 128K, or CH 320M (Major)		4 CH 328N, <b>and</b> CH 128K, or CH 320N <b>and</b> CH 220C (Major)		4 Study Abroad (Opportunity)	
PHY 301 & PHY 101L (Core) <sup>030</sup>		4 PHY 316 & PHY 116L (Core) <sup>030, QR</sup>		4 Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>		3 Foreign Language (General Education)		5	
Foreign Language (General Education)		5			
<b>16</b>		<b>13</b>		<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 353 (Major) <sup>QR</sup>		3 CH 153K (Major) <sup>Wr</sup>		1 Study Abroad (Opportunity)	
BIO, Math, or PHY course (Major)		3 CH 354 (Major) <sup>QR</sup>		3 Internship (Opportunity)	
Foreign Language (General Education)		3 Foreign Language (General Education)		3	

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

## Mathematics

Undergraduates seeking a Bachelor of Arts degree with a major in mathematics must choose either the standard option or the middle grades or secondary school teaching option.

### Major: Standard Option

At least 24 semester hours of upper-division coursework in mathematics. Students must earn a grade of at least C- in each mathematics and science course required for the degree, and a University grade point average in these courses of at least 2.00.

The student must complete the following:

- a. One of the following sequences:
  - i. Mathematics 408C\* and 408D
  - ii. Mathematics 408N and 408S
  - iii. Mathematics 408K and 408L

\*Mathematics 408N and 408S, or 408K and 408L, may substitute for 408C;

- b. Mathematics 340L or 341;
- c. One course chosen from: Mathematics 325K or 328K, 343K, or 373K;
- d. Mathematics 361K or 365C;
- e. Mathematics 362K;
- f. To broaden the student's training, at least one course chosen from the following: Mathematics 333L, 339J, 339U, 343L, 343M, 344K, 348, 358K, 361, 367K, 368K, 372K, 374M, 376C, 378K;
- g. Nine additional hours of upper-division mathematics.

## Major: Options in Mathematics for Middle Grades and Secondary School Teaching:

At least 24 semester hours of upper-division coursework in mathematics. Students must earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00.

The teaching options are designed to give students the mathematical background appropriate for teaching middle grades and secondary school mathematics, but students must meet additional requirements, including grade point average requirements, to obtain certification. Lists of the combined requirements of the UTeach-Natural Sciences certification programs and these options are available from the UTeach-Natural Sciences academic advisor and in the *Undergraduate Catalog*.

All students must complete the following:

- a. One of the following sequences:
  - i. Mathematics 408C\* and 408D
  - ii. Mathematics 408N and 408S
  - iii. Mathematics 408K and 408L

\*Mathematics 408N and 408S, or 408K and 408L, may substitute for 408C

- b. Mathematics 340L or 341
- c. Mathematics 315C, 333L, 358K, 362K, and either 325K or 328K
- d. Mathematics 375D
- e. Mathematics 361K or 365C
- f. Mathematics 343K or 373K

Students pursuing teacher certification through the UTeach-Natural Sciences program must also complete the following:

- g. Biology 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*), or Physics 341 (Topic 7: *Research Methods: UTeach*);
- h. History 329U or Philosophy 329U;
- i. 18 semester hours of professional development coursework consisting of:
  - a. Curriculum and Instruction 651S
  - b. Curriculum and Instruction 365C or UTeach-Natural Sciences 350
  - c. Curriculum and Instruction 365D or UTeach-Natural Sciences 355
  - d. Curriculum and Instruction 365E or UTeach-Natural Sciences 360
  - e. UTeach-Natural Sciences 101, 110, and 170;
- j. For students seeking middle grades certification, the following courses: Educational Psychology 350G, or Psychology 301 and 304; and Curriculum and Instruction 339E

To graduate and be recommended for certification, students who follow the teaching option must have a University grade point average of

at least 2.50. They must earn a grade of at least C- in the supporting course in requirement eight and in each of the professional development courses listed in requirement nine and must pass the final teaching portfolio review; those seeking middle grades certification must also earn a grade of at least C- in each of the courses listed in requirement 10. For information about the portfolio review and additional teacher certification requirements, students should consult the UTeach-Natural Sciences academic advisor.

## Suggested Arrangement of Courses, Mathematics (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408N or 408C (Core, Major) <sup>020, QR</sup>		4 M 408S or 408D (Major) <sup>QR</sup>		4 Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
Foreign Language (General Education)		5 Foreign Language (General Education)		5	
			15	15	0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 325K (Major)		3 M 341 (Major)		3 Study Abroad (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Foreign Language (General Education)		3 Foreign Language (General Education)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
			15	15	0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 362K (Major)		3 Upper-division Math course (Major)		3 Study Abroad (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>093</sup>		3 Upper-division Math course (Major)		3 Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
Cultural Expression, Human Experience, and Thought course (General education)		3 Upper-division elective (Elective)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
			15	15	0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 361K or 365C (Major)		3 Upper-division Math course (Major)		3 (None)	
Social Science course (General Education)		3 Upper-division Math course (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Upper-division elective (Elective)		3	
Upper-division elective (Elective)		3 Upper-division elective (Elective)		3	
Free elective (Elective)		3 Free elective (Elective)		3	

	Maymester (Opportunity)			
	15	15		0
<b>Total credit hours: 120</b>				

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Physics

### Major

Physics 301, 101L, 316, 116L, 315, 115L, 355, and at least 15 semester hours of upper-division coursework in physics, including Physics 336K, 352K, and 353L

### Additional Coursework

Completion of the following:

- Chemistry 301 or CH 301H, 302 or CH 302H, and 204
- One of the following courses containing differential equations: Mathematics 427K, 427J, and 372K.
- Nine additional hours of mathematics, including three upper-division hours
- Six hours of majors-level coursework, including three upper-division hours in one of the following: biology, chemistry, philosophy, psychology; or in courses offered in the College of Education or the Cockrell School of Engineering; courses used to fulfill specific degree requirements other than flag requirements may not also be used to fulfill this requirement.

Students must earn a grade of at least C- in each mathematics and science course required for the degree, and a University grade point average in these courses of at least 2.00.

## Suggested Arrangement of Courses, Physics (BA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (Core, Major) <sup>020, QR</sup>		4 M 408D (Major)		4 Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	PHY 301 (Core, Major) <sup>030, QR</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	PHY 101L (Major)		1	
Foreign Language (General Education)	5	Visual and Performing Arts (Core) <sup>050</sup>		3	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427J (Major) <sup>QR</sup>		4 M 427L (Major)		4 Study Abroad (Opportunity)	
PHY 316 (Core, Major) <sup>030, QR</sup>	3	PHY 315 (Major) <sup>QR</sup>		3 Internship (Opportunity)	
PHY 116L (Major)	1	PHY 115L (Major)		1	
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>		3	
Foreign Language (General Education)	3	Foreign Language (General Education)		3	
Free elective (Elective)	3	Free elective (Elective)		3	
			17	17	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 355 (Major)		3 PHY 336K (Major)		3 Study Abroad (Opportunity)	
CH 301 (Core) <sup>093, QR</sup>	3	CH 302 (Major)		3 Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	Upper-division course (Major)		3	
Cultural Expression, Human Experience, and Thought course (General Education)	3	GOV 312L (Core) <sup>070</sup>		3	
Free elective (Elective)	3	Upper-division elective (Elective)		3	
			15	15	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 353L (Major) <sup>Wr</sup>	3	PHY 352K (Major)		3 (None)	
Upper-division Physics course (Major)	3	Upper-division course (Major)		3	
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Additional Social Science course (General Education)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Upper-division elective (Elective)		3	
Free elective (Elective)	3	Upper-division elective (Elective)		3	
			15	15	

**Total credit hours: 125**

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Bachelor of Science and Arts

The requirements for the bachelor of science and arts degree are designed to give each student an opportunity to combine a core mathematics or science experience with an interdisciplinary curriculum which complements his or her major. Students pursuing the Bachelor of Science and Arts will major in a discipline within the College of Natural Sciences and complete one of the following: a transcript-recognized minor, transcript-recognized certificate, or 15 hours in a single field of study. This will allow the student to explore applications of his or her major in the broader society, allow the student to see the impacts of the sciences in other fields of study, and develop a complementary expertise, which supports multidisciplinary study.

All students pursuing an undergraduate degree must complete the University's [Core Curriculum](#) (p. 23). The prescribed work requirements for the Bachelor of Science and Arts consist of the University's Core Curriculum, college flag requirements, language, arts, and culture requirement, major requirements, additional requirement, and electives.

In the process of fulfilling the core curriculum and other degree requirements, all students must complete courses with content in the following areas:

- a. Core curriculum
- b. Skills and experience flags:
  - i. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - ii. Quantitative reasoning: one flagged course
  - iii. Global cultures: one flagged course
  - iv. Cultural diversity in the United States: one flagged course
  - v. Ethics: one flagged course
  - vi. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

Students may earn an honors major in their fields of study upon graduation by completing the following requirements:

- a. Good standing in the Health Science Scholars Program or the Polymathic Scholars Program;
- b. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor;
- c. Six hours of coursework in the major must be at the honors-level;
- d. Natural Sciences 371;
- e. A University grade point average of at least 3.50.

## Prescribed Work Common to All Majors

- a. Language, Arts, and Culture Requirement:

Twelve hours selected from at least two of the following four areas:

  - a. *Fine arts*: courses chosen from design, ensemble, fine arts, music, studio art, performance, visual art studies, art history, and theatre and dance
  - b. *Humanities*: courses chosen from American studies, ancient history and classical civilization, classical civilization, comparative literature, creative writing, English, humanities, philosophy, religious studies, and rhetoric and writing

- c. *Social and behavioral sciences*: courses chosen from anthropology, economics, geography, government, history, linguistics, psychology, and sociology
- d. *Foreign language and culture*: foreign language courses or culture courses chosen from an approved list available in the college advising centers. Students who elect to pursue a foreign language must complete a beginning level competency. Students who complete intermediate or advanced level foreign language courses rather than courses equivalent to beginning level competency may count only one intermediate or advanced course toward the language, arts, and culture requirement

A maximum of six semester hours earned through credit by examination may count toward the language arts and culture requirement.

2. Major Requirements: The specific courses required for the major vary with the major selected and are described in the links to the right. Unless the requirements of the major state otherwise, a major consists of at least 36 but no more than 55 semester hours. The major consists of the mathematics, primary science, and secondary science requirements.
3. Additional Requirement: The Bachelor of Science and Arts requires the completion of one of the following: transcript-recognized minor, transcript-recognized certificate, or 15 hours in a single field of study. Students who complete a transcript-recognized minor or 15 hours in a single field of study must select a minor or field of study that is outside the College of Natural Sciences, College of Pharmacy, Cockrell School of Engineering, Jackson School of Geosciences, and School of Nursing.
4. Electives: Enough additional coursework to make a total of 120 semester hours.

### Special Requirements

- a. Students may not use a course counting toward one area of prescribed work to fulfill the requirements of another area of prescribed work unless expressly permitted as follows:
  - i. Courses counting toward the university core curriculum may also count toward the major requirements, the additional requirement, and electives.
  - ii. Courses counting toward the university core curriculum writing flag may also count toward the language, arts, and culture requirement.
  - iii. Courses counting toward the college flag requirements may also count toward the university core curriculum, language, arts, and culture requirement, major requirements, additional requirement, and electives.
  - iv. Per university policy, a minimum of nine hours of the transcript-recognized minor may not be also used to satisfy the major.
  - v. Per university policy, a minimum of one course taken in a transcript-recognized certificate to satisfy the additional requirement may not also count toward the major.
- b. Students who seek a transcript-recognized minor or transcript-recognized certificate must meet the minimum grade requirements and grade point average requirements of the program.
- c. Students must earn a University grade point average of at least 2.00 in all courses taken at the University (including credit by examination, correspondence, and extension), a grade of at least C- in each mathematics and science course counted toward the major, and a grade point average of at least 2.00 in the courses fulfilling the major.
- d. Students must complete a minimum of 60 hours in residence at the University, including at least 18 hours of the major. The 18 hours of



the major in residence must include at least nine hours of advanced coursework.

## Astronomy

### Major

- a. Mathematics:
  - a. Mathematics 408C and 408D
  - b. Mathematics 427K or 427J
- b. Primary science:
  - a. Physics 301, 101L, 315, 115L, 316, and 116L
  - b. Two courses chosen from the following: Astronomy 352K, 353, and 358
  - c. Six additional upper-division semester hours in astronomy and physics
- c. Secondary science:  
 Twelve additional semester hours of majors-level coursework from one or more of the following areas. It is recommended that students select three of the 12 hours to also fulfill the Natural Science and Technology Part II core curriculum requirement
  - a. Biology
  - b. Chemistry
  - c. Computer Science
  - d. Geological Sciences
  - e. Mathematics
  - f. Statistics and Data Sciences

Secondary Science course (Major)	3 Secondary Science course (Major)	3 Internship (Opportunity)	
Language/Arts/Culture course (General Education)	3 Language/Arts/Culture course (General Education)	3	
U.S. History (Core) <sup>060</sup>	3 Minor/Certificate course (Major)	3	
Minor/Certificate course (Major)	3 Free elective (Elective)	3	
		<b>15</b>	<b>15</b>
			<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division AST/PHY course (Major)	3	Upper-division AST/PHY course (Major)	3	3 (None)	
Minor/Certificate course (Major)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
		Maymester (Opportunity)			
		<b>15</b>	<b>15</b>		<b>0</b>

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing (p. 11)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (Core, Major) <sup>020, QR</sup>	4	M 408D (Major)	4	Study Abroad (Opportunity)	
Secondary Science course (Core, Major) <sup>093</sup>	3	PHY 301 (Core, Major) <sup>030, QR</sup>	3	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	PHY 101L (Major)	1		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Language/Arts/Culture course (General Education)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
		<b>16</b>	<b>14</b>		<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427J (Major) <sup>QR</sup>	4	PHY 315 & PHY 115L (Major) <sup>QR</sup>	4	Study Abroad (Opportunity)	
PHY 316 & PHY 116L (Core, Major) <sup>030, QR</sup>	4	Secondary Science course (Major)	3	Internship (Opportunity)	
GOV 312L (Core) <sup>070</sup>	3	Language/Arts/Culture course (General Education)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
		Free elective (Elective)	3		
		<b>14</b>	<b>16</b>		<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
AST 352K, 353, or 358 (Major)	3	AST 352K, 353, or 358 (Major)	3	Study Abroad (Opportunity)	

## Biology

### Major

- a. Mathematics:
  - a. Mathematics 408C, 408R, or 408N and 408S. Students who intend to take additional calculus coursework should begin the sequence with Mathematics 408C or 408N.
  - b. Statistics and Data Sciences 320E.
- b. Primary science:
  - a. Biology 206L, 311C, 311D, [325, or (315H and 325H)] 370, 320, 373.
  - b. Complete one of the following:
    1. Ecology, evolution, and biodiversity (4 courses total):
      - One course from the following list: Biology 364, 448L, 463L, 340L, 369F, 369L, 453L, 455L.
      - One course from the following list: Biology 322/122L, 374/174L, 456L, 478L, 373L, 448L, 463L, 340L, 369F, 369L, 453L, 455L, 321G, 377.

- Two courses from the following list: Biology 322/122L, 351, 359K, 364, 374/174L, 375, 471, 456L, 478L, 373L, 448L, 463L, 340L, 369F, 369L, 453L, 455L, 321G, 377; Marine Science 352C, 320, 357, 354E, 352E.

2. Organismal biology and physiology (4 courses total):

- Three courses from the following list: Biology 346, 365S/165U, 361T, 328, 446L, 374/174L, 478L, 340L, 369F, 453L, 448L, 377; Neuroscience 320; Marine Science 355C, 354U, 354C, 357, 354, 352D.
- One course from the following list: Biology 446L, 478L, 340L, 369F, 453L, 448L, 371L, 377.

3. Genetics, genomics, and computational biology (4 courses total):

- Three courses from the following list: Biology 325T, 350, 356E, 327G, 337 (Topic 13: Advanced Genetics), 366, 366R, 325L, 321G, 377; Statistics and Data Sciences 322E; Marine Science 354E.
- One course from the following list: Biology 325L, 321G, 377.

4. Molecular, cell, and developmental biology (4 courses total):

- Biology 350
- One course from the following list: Biology 349L, 320L, 331L, 226L, 230L, 260L, 361L, 377.
- Two courses from the following list: Biology 344, 366R, 326R, 361, 336, 350M, 355, 335, 349L, 320L, 331L, 226L, 230L, 260L, 361L, 377; Biochemistry 369.

c. Secondary science:

i. Chemistry 301 or 301C; 302 or 302C; and 204 or 104M and 104N

ii. Complete one of the following:

1. Physics 302K and 105M (recommended)
2. Physics 317K and 105M
3. Physics 303K and 105M
4. Physics 301 and 101L

Language, Arts, and Culture (General Education)	3 Minor/Certificate course (Major)	3 GOV 312L (Core) <sup>070</sup>	3
Social and Behavioral Sciences (Core) <sup>080</sup>	3 Visual and Performing Arts (Core) <sup>050</sup>		3

14 14 3

Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 302K & PHY 105M (Major)	4	PHY 302L & PHY 105N (Elective)	4	Study Abroad (Opportunity)	4
BCH 369 (Major)	3	BIO 373 (Major)	3	Internship (Opportunity)	3
Language, Arts, and Culture (General Education)	3 SDS 320E (Major) <sup>0R</sup> , E, II		3		
Minor/Certificate course (Major)	3	Language, Arts, and Culture (General Education)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Minor/Certificate course (Major)	3		

16 16 0

Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 320 or 344 (Major)	3	Upper-division BIO course (Major)	3	(None)	3
Upper-division BIO course (Major)	3	Upper-division BIO course (Major)	3		
Upper-division BIO course (Major)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Language, Arts, and Culture (General Education)	3		
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060</sup>	3		

15 15 0

Total credit hours: 121

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Chemistry

### Major

- Mathematics:
  - Mathematics 408C and 408D, or 408N and 408S
- Primary science:
  - Chemistry 301 or CH 301H, 302 or CH 302H, and 204 or 317
  - Chemistry 320M, 320N and 220C, or 328M, 328N, 128K and 128L

## Suggested Arrangement of Courses, Biology (BSA)

First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C, 408R, or 408N (Core) <sup>020, QR</sup>	4	M 408S (Major)	4	Study Abroad (Opportunity)	4
BIO 311C (Core, Major) <sup>093</sup>	3	BIO 311D (Major)	3	Internship (Opportunity)	3
CH 301 (Core, Major) <sup>030</sup>	3	CH 302 (Core, Major) <sup>030</sup>	3	Volunteer (Opportunity)	3
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	CH 204 (Major)	2	U.S. History (Core) <sup>060</sup>	2
		RHE 306 (Core) <sup>010</sup>	3		

13 15 0

Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 320M (Elective)	3	CH 320N (Elective)	3	Study Abroad (Opportunity)	3
BIO 325 (Major)	3	CH 220C (Elective)	2	Internship (Opportunity)	2
BIO 206L, 208L, or 226L (Major)	2	BIO 370 (Major)	3	Research (Opportunity)	3

- c. Chemistry 353 or 353M, and 153K
- d. Chemistry 431; 455 or 456; and Biochemistry 369
- c. Secondary science: One of the following physics sequences:
  - a. Physics 301, 101L, 316, and 116L
  - b. Physics 303K, 103M, 303L, and 103N
  - c. Physics 317K, 117M, 317L, and 117N

Free elective (Elective)	3 Free elective (Elective)	3
Free electives (Elective)	3 Free elective (Elective)	3
	Maymester (Opportunity)	
<b>16</b>		<b>16</b>
<b>Total credit hours: 122</b>		

## Suggested Arrangement of Courses, Chemistry (BSA)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 301 (Major) <sup>030, QR</sup>	3	CH 302 (Major) <sup>030, QR</sup>	3	Study Abroad (Opportunity)	
M 408N or 408C (Core, Major) <sup>020</sup>	4	CH 204 or 317 (Major) <sup>QR</sup>	2	Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>	3	M 408S or 408D (Major)	4		
Visual and Performing Arts (Core) <sup>050</sup>	3	3 Social and Behavioral Sciences (Core) <sup>080</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
<b>16</b>		<b>15</b>		<b>0</b>	

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 328M, <i>and</i> CH 128K, or CH 320M (Major)	4	CH 328N, <i>and</i> CH 128K, or CH 320N <i>and</i> CH 220C (Major)	4	Study Abroad (Opportunity)	
PHY 301 & PHY 101L (Core, Major) <sup>030, QR</sup>	4	PHY 316 & PHY 116L (Major) <sup>030, QR</sup>	4	Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	Language/Arts/Culture (May carry a flag) (General Education)	6		
Language/Arts/Culture (May carry a flag) (General Education)	3	U.S. History (Core) <sup>060</sup>	3		
<b>14</b>		<b>17</b>		<b>0</b>	

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 353 (Major) <sup>QR</sup>	3	CH 153K (Major) <sup>Wr</sup>	1	Study Abroad (Opportunity)	
Language/Arts/Culture (May carry a flag) (General Education)	3	BCH 369	3	Internship (Opportunity)	
Minor/Certificate/Field of Study (May carry a flag)	3	Language/Arts/Culture (May carry a flag)(General Education)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
		Minor/Certificate/Field of Study (May carry a flag)	3		
		Free elective (Elective)	3		
<b>12</b>		<b>16</b>		<b>0</b>	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 455 (Major)	4	CH 431 (Major)	4	(None)	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Computer Science

### Major

- a. Mathematics:
  - a. Mathematics 408C or 408N and 408S
  - b. Mathematics 340L or Statistics and Data Sciences 329C. Mathematics 341 may substitute for 340L.
  - c. Statistics and Data Sciences 321. Mathematics 362K may substitute for this requirement.
- b. Primary science:
  - a. Theory: Computer Science 311 or 311H, and 331 or 331H
  - b. Programming: Computer Science 312 and 314 or 314H
  - c. Systems: Computer Science 429 or 429H, and 439 or 439H
  - d. Twelve additional semester hours of approved upper-division computer science
- c. Secondary science:
  - a. Six semester hours of majors-level coursework chosen from a single field of study: biology, chemistry, or physics. It is recommended that students select courses that will also fulfill the Natural Science and Technology Part I core curriculum requirement.
- d. At least 17 hours of computer science upper-division coursework must be completed in residence.

An undergraduate may not enroll in any computer science course more than once without written consent of an undergraduate advisor in computer science. No student may enroll in any computer science course more than twice. No student may take more than three upper-division computer science courses in a semester without written consent of an undergraduate advisor in computer science. All transfer coursework must be approved by faculty before it can count towards a computer science degree, except where equivalency is specified by state regulation.

# Suggested Arrangement of Courses, Computer Science (BSA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C S 312 (Core, Major) <sup>093</sup>		3 C S 311 (Major)		3 Study Abroad (Opportunity)	
M 408C or 408N (Core, Major) <sup>020, QR</sup>		4 C S 314 (Major) <sup>QR</sup>		3 Internship (Opportunity)	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 Language, Arts, and Culture (General Education)		3	
Visual and Performing Arts (Core) <sup>050</sup>		3 RHE 306 (Core) <sup>010</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 M 408S (Major)		4	
		<b>16</b>	<b>16</b>	<b>0</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C S 429 (Major)		4 C S 439 (Major) <sup>II</sup>		4 Study Abroad (Opportunity)	
SDS 321 or M 362K (Major) <sup>QR</sup>		3 M 340L or SDS 329C (Major)		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Language, Arts, and Culture (General Education)		3 Minor/Certificate course (Major)		3	
Minor/Certificate course (Major)		3 Free elective (Elective)		3	
		<b>16</b>	<b>16</b>	<b>0</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C S 331 (Major) <sup>QR</sup>		3 Upper-division C S course (Major)		3 Study Abroad (Opportunity)	
Natural Science and Technology, Part I (Core/Major) <sup>030</sup>		3 Natural Science and Technology, Part I (Core/Major) <sup>030</sup>		3 Internship (Opportunity)	
Minor/Certificate course (Major)		3 Minor/Certificate course (Major)		3	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Free elective (Elective)		3	
		<b>15</b>	<b>15</b>	<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division C S course (Major)		3 Upper-division C S course (Major)		3 (None)	0
Language, Arts, and Culture (General Education)		3 Upper-division C S course (Major)		3	
Minor/Certificate course (Major)		3 Language, Arts, and Culture (General Education)		3	
Minor/Certificate course (Major)		3 Free electives (Elective)		6	
Free elective (Elective)		3 Maymester (Opportunity)			
		<b>15</b>	<b>15</b>	<b>0</b>	

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Human Development and Family Sciences

## Major

- a. Mathematics:
  - a. Statistics and Data Sciences 302F
  - b. Mathematics 408C, 408N, 408R, or Statistics and Data Sciences 324E
- b. Primary science:
  - a. Human Development and Family Sciences 304 or 304H, 313 or 313H, 113L or 114H, 305 or 306, and 315L
  - b. Twelve semester hours of upper-division human development and family sciences (excluding Human Development and Family Sciences 322, 357, 359, 352, 652F, 352L, 652P, 355H, and 355R). Three credit hours of upper-division coursework must include a writing-flag course (no more than three-hours of upper-division coursework can include writing flags).
  - c. Six hours chosen from Human Development and Family Sciences 352, 652F, 352L, 652P, 359 and 355R or 355H. Registration for Human Development and Family Sciences 352, 652F, 352L, 652P, 359 and 355R or 355H is restricted to students whose practicum applications have been approved. Applications, as well as application deadlines, are available online and through the practicum coordinator.
  - d. Six hours from the School of Human Ecology: Human Ecology 101P, 102P, 103P and Nutrition 306 or Public Health 317.
- c. Secondary science:
  - i. Chemistry 301 or 301C
  - ii. Biology 311C
  - iii. One of the following courses: Biology 311D, Chemistry 302, or 302C

Psychology 304, 333D, and 339 may not count toward the Bachelor of Science and Arts, with a major in Human Development and Family Sciences.

# Suggested Arrangement of Courses, Human Development and Family Sciences (BSA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HDF 304 (Core, Major) <sup>080</sup>		3 HDF 313 & HDF 113L (Major)		4 Study Abroad (Opportunity)	
CH 301 or 301C		3 BIO 311C (Core, Major) <sup>093</sup>		3 Internship (Opportunity)	
SDS 302F (Major) <sup>020, E, QR</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	

UGS 302 or 303 (Core, Major) <sup>090, Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	H E 101P (Major)	3		
	<b>15</b>		<b>16</b>		<b>0</b>

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 311D, CH 302, or CH 302C (Core, Major) <sup>030, QR</sup>	3	M 408C, 408N, 408R, or SDS 324E (Major)	4	Study Abroad (Opportunity)	4
HDF 305 or 306 (Major)	3	Language, Arts, and Culture (General Education)	3	Internship (Opportunity)	3
Language, Arts, and Culture (General Education)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	HDF 315L (Major)	3		
H E 102P (Major)	1				
	<b>16</b>		<b>16</b>		<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division HDF course (Major)	3	Upper-division HDF course (Major)	3	Study Abroad (Opportunity)	3
HDF 355R (Major) <sup>II</sup>	3	HDF 355R (Major) <sup>II</sup>	3	Internship (Opportunity)	3
Language, Arts, and Culture (General Education)	3	Minor/Certificate course (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
NTR 306 or PBH 317 (Core, Major)	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division HDF course (Major)	3	Upper-division HDF course (Major)	3	(None)	3
H E 103P (Major)	1	Minor/Certificate course (Major)	3		
Language, Arts, and Culture (General Education)	3	Free electives (Elective)	9		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Maymester (Opportunity)	3		
Free elective (Elective)	3				
	<b>16</b>		<b>15</b>		<b>0</b>

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Human Ecology

### Major

- a. Mathematics:
  - a. Statistics and Data Sciences 302F
  - b. Mathematics 408C, 408N, 408R, or Statistics and Data Sciences 324E
- b. Primary science: School of Human Ecology coursework, including:
  - a. Public Health 317
  - b. One of the following: Human Development and Family Sciences 304, 304H, 313 and 113L, or 313H and 113L
  - c. Nutrition 306, 312, or 312H
  - d. Textiles and Apparel 303 or 205 and 105L
  - e. Fifteen semester hours of upper-division chosen from Human Development and Family Sciences, Human Ecology, Nutrition, Public Health, and Textiles and Apparel
- c. Secondary science:
  - a. Chemistry 301 or CH 301H
  - b. Biology 311C
  - c. One of the following: Biology 311D, Chemistry 302, or CH 302H

## Suggested Arrangement of Courses, Human Ecology (BSA)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
TXA 301 or 205 <i>and</i> 105L (Major)	3	NTR 306 or 312 (Core, Major) <sup>093</sup>	3	Study Abroad (Opportunity)	3
SDS 302F (Major) <sup>020, E, QR</sup>	3	BIO 311C (Core, Major) <sup>093</sup>	3	Internship (Opportunity)	3
CH 301 (Core, Major) <sup>030, QR</sup>	3	Language, Arts, and Culture course (General Education)	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	Free elective (Elective)	3		
	<b>15</b>		<b>15</b>		<b>0</b>

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 311D or CH 302 (Core, Major) <sup>030, QR</sup>	3	M 408C, 408N, 408R, or SDS 324E (Major)	4	Study Abroad (Opportunity)	4
HDF 304 or 313 <i>and</i> 113L (Core, Major) <sup>080</sup>	3	PBH 317 (Major) <sup>E</sup>	3	Internship (Opportunity)	3
Language, Arts, and Culture course (General Education)	3	Minor/Certificate course (Major)	3		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>		<b>16</b>		<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division H E course (Major)	3	Upper-division H E course (Major)	3	Study Abroad (Opportunity)	3
Language, Arts, and Culture course (General Education)	3	Language, Arts, and Culture course (General Education)	3	Internship (Opportunity)	3

Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3
Free elective (Elective)	3	Free elective (Elective)	3
	15		15
			0

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division H E course (Major)	3	Upper-division H E course (Major)	3	(None)	
Upper-division H E course (Major)	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Free electives (Elective)	6		
Free elective (Elective)	3	Maymester (Opportunity)			
	15		15		0

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Mathematics

### Major

#### a. Mathematics

Complete one of the following:

- Mathematics 408C and 408D
- Mathematics 408N and 408S
- Mathematics 408K and 408L

#### b. Primary science:

- Mathematics 341
- Mathematics 328K, 343K, or 373K
- Mathematics 362K
- Mathematics 361K or 365C
- Twelve additional semester hours of approved upper-division mathematics

#### c. Secondary science:

- Six semester hours of majors-level coursework chosen from a single field of study: astronomy, biology, chemistry, geological sciences, marine science, or physics. It is recommended that students select courses that will also fulfill the Natural Science and Technology Part I core curriculum requirement.
- Three semester hours of majors-level coursework chosen from a different field of study: astronomy, biology, chemistry, computer

science, geological sciences, marine science, or physics. It is recommended that students select a course that will also fulfill the Natural Science and Technology Part II core curriculum requirement.

## Suggested Arrangement of Courses, Mathematics (BSA)

#### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408N or 408C (Core, Major) <sup>020, QR</sup>	4	M 408S or 408D (Major) <sup>QR</sup>	4	Study Abroad (Opportunity)	4
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Internship (Opportunity)	3
RHE 306 (Core) <sup>010</sup>	3	Social and Behavioral Sciences (Core) <sup>080</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	GOV 310L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	Language, Arts & Culture course (General Education)	3		
	16		16		0

#### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
M 325K (Major)	3	M 341 (Major)	3	Study Abroad (Opportunity)	3
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	M 362K (Major)	3	Internship (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	Language, Arts & Culture course (General Education)	3		
Minor/Certificate course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	Minor/Certificate course (Major)	3		
	15		15		0

#### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
M 328K, 343K, or 373K (Major)	3	Upper-division Math course (Major)	3	Study Abroad (Opportunity)	3
Upper-division Math course (Major)	3	Language, Arts, & Culture course (General Education)	3	Internship (Opportunity)	3
Language, Arts, & Culture course (General Education)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3	Free elective (Elective)	3		
	15		15		0

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
M 316K or 365C (Major)	3	Upper-division Math course (Major)	3	(None)	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	15		15		0

Maymester (Opportunity)		
15	15	0

Total credit hours: 122

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Neuroscience

### Major

- a. Mathematics:
  - a. Mathematics 408C, or 408N or 408R and 408S
  - b. Statistics and Data Sciences 320E
- b. Primary science:
  - a. Biology 206L and one of the following sequences:
    1. Biology 311C, 311D, 325
    2. Biology 315H and 325H
  - b. Neuroscience 330
  - c. Neuroscience 335
  - d. Neuroscience 340
  - e. Twelve additional semester hours of neuroscience, chosen from: Biology 353S, 359K, 367C, Neuroscience 170C, 270C, 337, 365D, 365L, 365N, 365P, 365T, 365V, 365W, 366C, 366D, 366E, 366L, 366N, 366P, 366S, 367F, 367S, 367V, 367W, 371M, 377, 379H, 466G, and 466M. The research topic in Neuroscience 379H must relate to neuroscience and be approved in advance by the faculty advisor.
- c. Secondary science:
  - a. Chemistry 301 or 301C, 302 or 302C, and 204
  - b. One of the following physics sequences:
    - i. Physics 317K, 105M, 317L, 105N
    - ii. Physics 303K, 105M, 303L, 105N
    - iii. Physics 301, 101L, 316, 116L

## Suggested Arrangement of Courses, Neuroscience (BSA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C, 408N, or 408R (Core/Major) <sup>020,QR</sup>		4 M 408S (Major)		4 Study Abroad (Opportunity)	
CH 301C (Core/Major) <sup>030</sup>		3 CH 302C (Core/Major) <sup>030</sup>		3 Internship (Opportunity)	

BIO 311C (Core, Major) <sup>093</sup>	3	BIO 311D (Major)	3	Research (Opportunity)	
UGS 302 or 303 (Core) <sup>090,Wr</sup>		3 CH 204 (Major)		2 GOV 310L (Core) <sup>070</sup>	3
		RHE 306 (Core) <sup>010</sup>		3	
			<b>13</b>	<b>15</b>	<b>3</b>

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 320M (Elective)		3 CH 320N (Elective)		3 Study Abroad (Opportunity)	
BIO 325 (Major)		3 CH 220C (Elective)		2 Internship (Opportunity)	
BIO 206L (Major)		2 NEU 330 (Major)		3 Research (Opportunity)	
Language, Arts & Culture course (General Education)		3 Minor/Certificate course (Major)		3 GOV 312L (Core) <sup>070</sup>	3
Social and Behavioral Sciences (Core) <sup>080</sup>		3 Visual and Performing Arts (Core) <sup>070</sup>		3 U.S. History (Core) <sup>060</sup>	3
			<b>14</b>	<b>14</b>	<b>6</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 317K & PHY 105M (Major)		4 PHY 317L & PHY 105N (Major)		4 Study Abroad (Opportunity)	
NEU 335 (Major)		3 SDS 320E (Major) <sup>QR, E, II</sup>		3 Internship (Opportunity)	
Minor/Certificate course (Major)		3 NEU 340 (Major)		3 Research (Opportunity)	
Language, Arts & Culture (General Education)		3 Minor/Certificate course (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3			
			<b>16</b>	<b>13</b>	<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division NEU course (Major)		3 Upper-division NEU course (Major)		3	
Upper-division NEU course (Major)		3 Upper-division NEU course (Major)		3	
Minor/Certificate course (Major)		3 Minor/Certificate course (Major)		3	
Minor/Certificate course (Major)		3 Language, Arts & Culture (General Education)		3	
Language, Arts & Culture (General Education)		3 U.S. History (Core) <sup>060</sup>		3	
			<b>15</b>	<b>15</b>	

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Nutrition

### Major

- a. Statistics:
  - a. Statistics and Data Sciences 302F or 320E
  - b. Statistics and Data Sciences 324E
- b. Primary science:
  - a. Nutrition courses: Nutrition 312, 126L, 218, 118L, 326, 307, 107L, 342, 343, 337, and 338W.
  - b. Six additional semester hours of nutrition coursework.
- c. Secondary science:
  - i. Chemistry 301, 302, 204 and 320M
  - ii. Biochemistry 369
  - iii. Biology 311C

## Suggested Arrangement of Courses, Nutrition (BSA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 301 (Core, Major) <sup>030, QR</sup>		3 NTR 312 (Major)		3 Study Abroad (Opportunity)	
BIO 311C (Core/Major) <sup>093</sup>		3 NTR 126L (Major)		1 Internship (Opportunity)	
SDS 302F (Core/Major)		3 CH 302 (Core, Major) <sup>030, QR</sup>		3	
RHE 306 (Core) <sup>010</sup>		3 CH 204 (Major)		2	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
		Language, Arts & Culture (General Education)		3	
	15		15		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
NTR 307 & NTR 107L (Major)		4 NTR 326 (Major)		3 Study Abroad (Opportunity)	
NTR 218 & NTR 118L (Major)		3 SDS 324E (Major)		3 Internship (Opportunity)	
CH 320M (Major)		3 BCH 369 (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Minor/Certificate course (Major)		3	
Free elective (Elective)		3 U.S. History (Core) <sup>060</sup>		3	
	16		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
NTR 337 (Major)		3 NTR 338W (Major)		3 Study Abroad (Opportunity)	
NTR 342 (Major)		3 NTR 343 (Major)		3 Internship (Opportunity)	
Language, Arts, and Culture (General Education)		3 Language, Arts, and Culture (Major)		3	
Minor/Certificate course (Major)		3 Minor/Certificate course (Major)		3	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
	15		15		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division NTR course (Major)		3 Upper-division NTR course (Major)		3 (None)	
Language, Arts & Culture (General Education)		3 Minor/Certificate course (Major)		3	
Minor/Certificate course (Major)		3 Minor/Certificate course (Major)		3	
U.S. History (Core) <sup>060</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
Free elective (Elective)		3 Free elective (Elective)		3	
		Maymester (Opportunity)			
	15		15		0

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Physics

### Major

- a. Mathematics:
  - a. Mathematics 408C, 408D, 427K or 427J, and 427L
- b. Primary science:
  - a. Physics 301, 101L, 315, 115L, 316, and 116L
  - b. Physics 336K, 352K, 355, 369, and 373
  - c. One course chosen from the following: Mathematics 340L; and Physics 329, 333, 345, 353L, 362K, 362L, 474, 375S, 375R, or 375P
- c. Secondary science:
  - a. Three semester hours of majors-level coursework chosen from: astronomy, biology, chemistry, computer science, and geological sciences. It is recommended that students select a course that will also fulfill the Natural Science and Technology Part II core curriculum requirement.

## Suggested Arrangement of Courses, Physics (BSA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (Core, Major) <sup>020, QR</sup>		4 M 408D (Major)		4 Study Abroad (Opportunity)	



Secondary Science course (Core, Major) <sup>093</sup>	3 PHY 301 (Core, Major) <sup>030, QR</sup>	3 Internship (Opportunity)			
RHE 306 (Core) <sup>010</sup>	3 PHY 101L (Major)	1			
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3 Language, Arts & Culture (General Education)	3			
Social and Behavioral Sciences (Core) <sup>080</sup>	3 GOV 310L (Core) <sup>070</sup>	3			
	Free elective (Elective)	3			
	<b>16</b>	<b>17</b>			<b>0</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427J (Major) <sup>QR</sup>	4	M 427L (Major)	4	Study Abroad (Opportunity)	
PHY 316 (Core/Major) <sup>030, QR</sup>	3	PHY 315 & PHY 115L (Major) <sup>QR</sup>	4	Internship (Opportunity)	
PHY 116L (Major)	1	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
GOV 312L (Core) <sup>070</sup>	3	Minor/Certificate course (Major)	3		
Minor/Certificate course (Major)	3				
	<b>14</b>	<b>14</b>			<b>0</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 355 (Major)	3	PHY 373 (Major)	3	Study Abroad (Opportunity)	
PHY 336K (Major)	3	PHY 352K (Major)	3	Internship (Opportunity)	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Language, Arts, & Culture course (General Education)	3	Language, Arts, & Culture course (General Education)	3		
U.S. History (Core) <sup>060</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	<b>15</b>	<b>15</b>			<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 369 (Major)	3	M 340L or UPPER-DIVISION PHY COURSE (Major)	3	(None)	
Minor/Certificate course (Major)	3	Minor/Certificate course (Major)	3		
Language, Arts, & Culture course (General Education)	3	Visual and Performing Arts (Core)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>	<b>15</b>			<b>0</b>

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral

Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Astronomy

Astronomy tells us about the place of humankind in the universe: how Earth was created, how the Sun was formed, how galaxies form and evolve. It tells us where the universe is going and where it came from. Astronomers address these questions at a fundamental level. Their goal is to determine the basic and controlling properties of the universe and to transmit that knowledge to society. The Bachelor of Science in Astronomy is designed to give students an understanding of the universe and to prepare them to participate in the advancement of this exciting search.

Two Options are available: Astronomy and Astronomy Honors. Students who plan to follow Option II, Astronomy Honors, must be admitted to the [Dean's Scholars Honors Program](#) (p. ).

### Prescribed Work Common to all Options

In the process of fulfilling degree requirements, all students must complete:

- Core curriculum
- Skill and experience flags:
  - Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - Quantitative reasoning: one flagged course
  - Global cultures: one flagged course
  - Cultural diversity in the United States: one flagged course
  - Ethics: one flagged course
  - Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- One of the following foreign language/culture choices: (Students in Option II are exempt from this requirement)
  - Beginning level proficiency coursework, or the equivalent, in a foreign language
  - First course in a foreign language and a three-semester-hour course in the culture of the same language area
  - Two three-semester-hour courses in one foreign culture area chosen from an approved list available in the dean's office and the college advising centers
- At least 36 semester hours of upper-division coursework
- At least 21 hours of upper-division coursework, including at least 12 semester hours in physics and astronomy, must be completed in residence at the University

## Additional Prescribed Work for Each Option

### Option I: Astronomy

- f. Six semester hours in biology, chemistry, computer science, and/or geological sciences; Chemistry 301 or CH 301H and the courses in the Elements of Computing Certificate Program may be counted toward this requirement; any other course to be counted must meet major requirements in the department that offers it.
- g. Mathematics 408C and 408D, or the equivalent; and 427J or 427K, 427L, and any three hours of upper-division math.
- h. Physics 301, 101L, 315, 115L, 316, 116L, 336K, 352K, 353L, 355, 369, and 373.
- i. Astronomy 307, 352K, or 364P, 353, 358 or 376C, 375 or 376R, and three additional hours of upper-division astronomy.
- j. Six additional semester hours of upper-division coursework in physics and/or astronomy and/or math.
- k. Enough additional coursework to make a total of 123 semester hours

### Option II: Astronomy Honors

6. Breadth requirement: An honors mathematics course, CH 301H, and nine additional hours of coursework chosen from honors courses in the college; credit earned by examination may not be counted toward this requirement.
7. Physics 301, 101L, 315, 115L, 316, and 116L
8. Twelve semester hours of upper-division coursework in astronomy approved by the departmental honors advisor
9. Eighteen semester hours of upper-division coursework in physics approved by the departmental honors advisor
10. Three additional semester hours of upper-division coursework in astronomy or physics
11. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
12. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
13. Astronomy 379H and either a three-semester-hour upper-division research course approved by the departmental honors advisor or a second section of Astronomy 379H
14. Sixteen additional hours of coursework approved by the departmental honors advisor
15. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
16. Enough additional coursework to make a total of 120 semester hours

### Special Requirements

Students in both Options must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a University grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate under Option II, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and present their research in an approved public forum, such as the college's annual [Undergraduate Research Forum](#). More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu>.

## Suggested Arrangement of Courses, Astronomy (BSAst)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C or 408N (Core, Major) <sup>020, QR</sup>	4	M 408D (Major)		4 GOV 310L (Core) <sup>070</sup>	3
AST 307 (Core/ Major) <sup>093</sup>	3	PHY 301 (Core, Major) <sup>030, QR</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	PHY 101L (Major)	1		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	BIO, CH, CS, or GEO course (Major)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
		Free elective (Elective)	3		
			<b>16</b>	<b>17</b>	<b>3</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427J (Major) <sup>QR</sup>	4	M 427L (Major)		4 Study Abroad (Opportunity)	
PHY 316 (Core/ Major) <sup>030, QR</sup>	3	PHY 315 & PHY 115L (Major) <sup>QR</sup>	4	4 Internship (Opportunity)	
PHY 116L (Major)	1	PHY 355 (Major)	3		
BIO/CH/C S/GEO course (Major)	3	Foreign Language/ Culture (General Education)	3		
Foreign Language/ Culture (General Education)	3				
			<b>14</b>	<b>14</b>	<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Math course (Major)	3	PHY 336K (Major)	3	3 Study Abroad (Opportunity)	
AST 352K or 364P (Major)	3	PHY 373 (Major)	3	3 Internship (Opportunity)	
PHY 353L (Major) <sup>Wr</sup>	3	AST 353 (Major) <sup>QR</sup>	3		
AST 375 or 376R (Major) <sup>II</sup>	3	U.S. History (Core) <sup>060</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
			<b>15</b>	<b>15</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 369 (Major)	3	Upper-division AST, PHY, or Math course (Major)	3	3 (None)	
PHY 352K (Major)	3	Upper-division AST, PHY, or Math course (Major)	3		
AST 358 or 376 (Major) <sup>QR</sup>	3	Upper-division AST course (Major)	3		
GOV 312L (Core) <sup>070</sup>	3	Free elective (Elective)	3		
Free elective (Elective)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
		Maymester (Opportunity)			
			<b>15</b>	<b>15</b>	<b>0</b>
<b>Total credit hours: 124</b>					

*Four-year degree suggestion (for planning purposes only).*

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Biochemistry

The degree of Bachelor of Science in Biochemistry is intended to prepare students for professional careers as biochemists, either upon graduation or after graduate study in biochemistry or related fields. In addition, it may serve as the basis for work in biotechnology, computational biology, biomaterials, forensics, biomedical research, pharmaceuticals, patent law, biotechnology/biomedical business, health professions, or environmental science. The Honors Option is intended to prepare students for academic or research careers.

Students who plan to follow Option III, Biochemistry Honors, must be admitted to the [Dean's Scholars Honors Program](#) (p. ).

### Prescribed Work Common to all Options

In the process of fulfilling degree requirements, all students must complete:

- Core curriculum
- Skills and experience flags:
  - Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - Quantitative reasoning: one flagged course
  - Global cultures: one flagged course
  - Cultural diversity in the United States: one flagged course
  - Ethics: one flagged course
  - Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- At least 36 semester hours of upper-division coursework
- At least 21 semester hours of upper-division coursework, including at least 12 semester hours of upper-division coursework in chemistry, must be completed in residence at the University

### Additional Prescribed Work for Each Option

#### Option I: Biochemistry

- Mathematics 408C and 408D, or 408N, 408S, and 408M
- Biostatistics: Statistics and Data Sciences 320E

- One of the following sequences:
  - Physics 317K, 105M, 317L, and 105N (recommended);
  - Physics 303K, 105M, 303L, and 105N; or
  - Physics 301, 101L, 316, and 116L
- The following chemistry courses:
  - General chemistry: Chemistry 301 or 301C; 302 or 302C; and 104M & 104N, 204, or 317
  - Organic chemistry: Chemistry 320M
  - Biochemistry: Biochemistry 219L, 339F, 339J, 339M, 339N and 370
  - Physical chemistry: Chemistry 353 or 353M
  - Analytical chemistry: Chemistry 455
- One of the following sequences:
  - Biology 311C, 311D, and 325; or
  - Biology 315H and 325H
- Biology 344
- Three hours of a capstone experience (for example Biochemistry 369K, 379H, 369L or a course/experience approved by the Capstone Advisor), Biochemistry 175C, and completion of one of the following:
  - Fifteen additional semester hours of upper-division biochemistry, biology, chemistry, and neuroscience; or
  - A transcript-recognized certificate or a transcript-recognized minor
- Enough additional coursework to make a total of 120 semester hours

### Option III: Biochemistry Honors

- Breadth requirement: An honors mathematics course, Biology 315H and 325H, Chemistry 301C and 302C, and three additional semester hours of coursework chosen from honors courses in the college. Credit earned by examination may not be counted toward this requirement.
- The following chemistry courses:
  - General chemistry: 104M and 104N; 204; or 317
  - Organic chemistry: Chemistry 128K, 128L, 328M, and 328N; or 220C, 320M, and 320N
  - Biochemistry: Biochemistry 219L, 339F, 339J, 339M, 339N, and 370
  - Physical chemistry: Chemistry 353 or 353M
  - Analytical chemistry: Chemistry 455
- Biology 344
- A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
- A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
- Biochemistry 379H and either a three-semester-hour upper-division research course approved by the departmental honors advisor or a second section of Biochemistry 379H
- Twenty-four additional semester hours of coursework approved by the departmental honors advisor.
- Six semester hours of coursework from in the College of Liberal Arts and/or the College of Fine Arts.
- Enough additional coursework to make a total of 120 semester hours.

### Special Requirements

Students in all Options must fulfill both the [University's](#) (p. 20) [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and

a University grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate under Option III, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor and present their research in an approved public forum, such as the Spring Undergraduate Research Forum or Fall Undergraduate Research Symposium.

## Order and Choice of Work

The student must consult the BIO Advising Office or Honors Advisor each semester regarding order and choice of work.

## Suggested Arrangement of Courses, Biochemistry (BSBioch)

### First Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408D (Major)		4 BIO 325H (Major)		3 Study Abroad (Opportunity)	
BIO 315H (Core/Major) <sup>093</sup>		3 CH 302C (Core/Major) <sup>030,QR</sup>		3 Internship (Opportunity)	
CH 301C (Core/Major) <sup>030,QR</sup>		3 CH 204 (Major) <sup>QR</sup>		2 Volunteer (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3 M 408M (Major)	4
UGS 302 or 303 (Core) <sup>090,Wr</sup>		3 Free elective (Elective)	3		
	16		14		4

### Second Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 328M & CH 128K (Major)		4 CH 328M & CH 128K (Major)		4 Study Abroad (Opportunity)	
Liberal Arts/Fine Arts course (Major)		3 Liberal Arts/Fine Arts course (Major)		3 Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>		3 Additional Science honors course (Major)		3 GOV 312L (Core) <sup>070</sup>	3
Social and Behavioral Sciences (Core) <sup>080</sup>		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
Free elective (Elective)		3 Free elective (Elective)	3		
	16		16		3

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 317K & PHY 117M (Major)		4 PHY 317L & PHY 117N (Major)		4 Study Abroad (Opportunity)	
BCH 339F (Major)		3 Upper-division BCH course (Major)		3 Internship (Opportunity)	
RHE 309S (Major) <sup>Wr</sup>		3 Upper-division BCH course (Major)	3		
GOV 312L (Core) <sup>070</sup>		3 Free elective (Elective)	3		
Free elective (Elective)		3			
	16		13		0

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
BCH 379H (Major)		3 BCH 379H (Major)		3 (None)	
BIO 344 (Major)		3 BCH 219L (Major)		2	
CH 455 (Major)		4 CH 353 or 353M (Major)		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
Free elective (Elective)		3 Free elective (Elective)	3		

Maymester  
(Opportunity)

16

14

0

Total credit hours: 128

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Biology

The Bachelor of Science in Biology degree program offers 11 Options. The Options have certain prescribed work in common, and each Option has additional requirements. Many fields in the study of biological systems require broadly based training that transcends the classical boundaries of biology. In planning a program of work to meet his or her degree requirements, a student interested in specializing in these interdisciplinary areas should choose courses both in biology and in sciences that complement biology.

Students who plan to follow Option IX, Biology Honors, must be admitted to the [Dean's Scholars Honors Program](#) (p. ).

## Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- Core curriculum
- Skills and experience flags:
  - Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - Quantitative reasoning: one flagged course
  - Global cultures: one flagged course
  - Cultural diversity in the United States: one flagged course
  - Ethics: one flagged course
  - Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- Courses common to all Bachelor of Science in Biology degree Options except for Option IX.
  - Mathematics 408C, 408R, or 408N and 408S. Students who intend to take additional calculus coursework should begin the sequence with 408C or 408N

- b. Statistics and Data Sciences 320E
- c. Chemistry 301 or CH 301H, 302 or CH 302H, and 204
- d. One of the following sequences:
  1. Physics 317K, 117M, 317L, and 117N (recommended)
  2. Physics 301, 101L, 316, and 116L
  3. Physics 303K, 103M, 303L, and 103N
  4. Physics 302K, 102M, 302L, and 102N

Option VIII Teaching majors may substitute Science 365 and Physics 108 for Physics 316 and 116L, 317L and 117N, 303L and 103N, or 302L and 102N; Physics 108 is offered on the pass/fail basis.

- e. Biology, including:
  - i. Biology 311C, 311D, and 325, or 315H and 325H.
  - ii. Biology 206L, 208L, or 226L. This requirement must be completed prior to progressing to additional laboratory requirement in the degree options. Students pursuing Option III, Marine and Freshwater Science, and Option IV, Microbiology and Infectious Diseases, must complete Biology 226L. Students pursuing Option VIII, Teaching, must complete either Biology 206L or 208L.
  - iii. Biology 370

4. All students must complete at least 36 semester hours of upper-division coursework; at least 21 semester hours of upper-division coursework in biology must be completed in residence at the University.

## Additional Prescribed Work for Each Option

### Option I: Ecology, Evolution, and Behavior

- 5. One course or pair of courses in each of the following areas:
  - a. Ecology: Biology 357, 373, or Marine Science 320 and 120L
  - b. Behavior and comparative physiology: Biology 322 and 122L, 359K, or 361T
  - c. Taxon-based course: Biology 321L, 324 and 124L, BIO 327 and BIO 127L, 340L, 448L, 351, 352, 353F, 453L, 354L, 455L, 463L, 369F, 369L, Marine Science 352D, 354, 354C, 354E
- f. Three additional courses or pair of courses chosen from coursework in 5a through 5c and from Biology 438L, 471G, 456L, 359R, 364, 373L, 374 and 174L, 375, 478L, Marine Science 352C, and 354Q
- g. One course in cellular, developmental, genetics, microbiology, or molecular biology: Biology 320, 320L, 325L, 325T, 326R, 328, 331L, 344, 350, 349L, 350M, 366R
- h. One laboratory course or pair of courses containing a substantial field component: Biology 321L, 340L, 353F, 453L, 354L, 455L, 456L, 369L, 373L, Marine Science 320 and 120L, 352C, 352D, 354, 354C, 354E. A laboratory course or pair of courses may also count toward requirements 5 through 7
- i. One additional laboratory course: Biology 320L, 321L, 124L, BIO 127L, 325L, 331L, 438L, 340L, 448L, 349L, 353F, 453L, 354L, 455L, 456L, 369L, 373L, 174L, 478L, Marine Science 120L, 352C, 352D, 354, 354C, 354E, 354Q. One-hour laboratory courses may require credit for or registration in a complementary lecture course. A laboratory course may also count toward requirements 5 through 7. A course counted toward requirement 8 may not also count toward requirement 9.

- j. One course chosen from the following: Chemistry 320M, Computer Science 303E or 313E, Geological Sciences 401 or 303, SDS 324E or 322E
- k. Enough additional coursework to make a total of 120 semester hours

### Option II: Human Biology

- 5. Chemistry 320M, 320N, 220C
- f. Biochemistry 369 or 339F
- g. Biology 346
- h. Three hours from genetics, genomics, and computational biology: Biochemistry 339N, Biology 321G, 325T, 356E, 327G, 354C, 366, 366R, 471, SDS 322E
- i. Six hours from cellular, developmental, and molecular biology: Biochemistry 339J, 339M, 364F, Biology 320, 326R, 330, 335, 336, 355, 339M, 344, 360K, 350, 350M, 361
- j. Three hours from ecology, environment, and health: Biology 326R, 327D, BIO 329, 330, 361, 364, Nutrition 306 or 312
- k. Four hours from physiology and anatomy: Biology 446L, 365S and 165U, 478L
- l. One additional laboratory course from: Biology 320L, 122L, 124L, 128L, BIO 129L, 325L, 328D, 230L, 331L, 340L, 446L, 448L, 349L, 353F, 453L, 354L, 455L, 456L, 260L, 361L, 463L, 165U, 369F, 369L, 371L, 373L, 174L, 478L, Marine Science 120L, 152L. One-hour laboratory courses may require credit for or registration in a complementary lecture course.
- m. Enough additional coursework to make a total of 120 semester hours

### Option III: Marine Science

- 5. Chemistry 320M
- f. Biology 326R and 373
- g. Marine Science 101, 310, 320, and 120L
- h. Eighteen hours of coursework including 12 hours in Marine Science, chosen from: Biology 320, 321L, 328, 344, 354L, 357, 361T, 364, 366, 375, Geological Sciences 341G, Marine Science 440, 348 (Topic 1: *Training Cruise(s): Research in Biological Oceanography*), 352, 352C, 352D, 352E, 152L, 152S, 252S, 152T, 252T, 353, 354, 354C, 354E, 354J, 354Q, 354T, 354U, 355C, 356, 357, 367K, 170, 270, 370. Six hours in Marine Science must be completed at the Marine Science Institute in Port Aransas, Texas.
- i. Enough additional coursework to make a total of 120 semester hours

### Option IV: Microbiology and Infectious Diseases

- 5. Biochemistry 369 or 339F, and Chemistry 320M
- f. Biology 326R, 330, 355, 339M, 360K, 361, 366
- g. Two upper-division biology laboratory courses chosen from: Biology 230L, 260L, and 361L. Biology 377, 377-FRI, 379H may be used for one of the laboratory courses if approved in advance by the microbiology faculty advisor.
- h. Fifteen additional hours in upper-division biochemistry, biology, and chemistry
- i. Enough additional coursework to make a total of 120 semester hours

### Option V: Cell and Molecular Biology

- 5. Biochemistry 369 or 339F, and Chemistry 320M
- f. Biology 320, 326R, 350, and 344 or 350M
- g. Two laboratory courses chosen from: Biology 320L, 325L, 331L, 349L

- h. One additional upper-division laboratory course in biology. Biology 377, 377-FRI, 379H may be used if approved in advance by the cell and molecular biology faculty advisor.
- i. Eighteen additional hours in upper-division biochemistry, biology, and chemistry
- j. Enough additional coursework to make a total of 120 semester hours

## Option VII: Plant Biology

- 5. Biology 328, 373, and 322 and 122L, 324 and 124L, or 463L
- f. Two additional upper-division laboratory courses; Biology 377, 377-FRI, 379H may be used for one of the laboratory courses if approved in advance by the plant biology faculty advisor.
- g. One of the following sequences:
  - i. Plant molecular biology: Biochemistry 369 or 339F, Biology 320 and 350M, and Chemistry 320M
  - ii. Plant environmental biology: Biology 357, 374, and 375
- h. Eighteen additional hours in upper-division biochemistry, biology, chemistry, and marine science
- i. Enough additional coursework to make a total of 120 semester hours

## Option VIII: Teaching

This Option is designed to fulfill the course requirements for certification as a middle grades or secondary school science teacher in Texas; the student chooses either composite science certification with biology as the primary teaching field or life science certification. However, completion of the course requirements does not guarantee the student's certification. Information about additional certification requirements is available from the UTeach-Natural Sciences academic advisor.

- e. Chemistry 320M, 320N, and 220C or 320M and Biochemistry 369
- f. Biology courses:
  - i. Biology 320, 226L, 326R, and either 324 and 124L, 322 and 122L, or 328 and 128L
  - ii. At least three semester hours chosen from the following courses in physiology, neurobiology, and behavior: Biology 438L, 359K, 359R, 361T, 365S, 367C
  - iii. At least three semester hours chosen from: Biology 340L, 448L, 453L, 455L, 456L, 463L, 364, 369L, 373, Marine Science 352D, 354, 354C
- g. One of the following research methods courses: Biology 328D, 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*), Physics 341 (Topic 7: *Research Methods: UTeach*)
- h. History 329U or Philosophy 329U
- i. One of the following:
  - a. For composite science certification: Biochemistry 369 (to be counted as upper-division biology hours) and six semester hours of coursework in geological sciences. Courses intended for nonscience majors may not be counted toward this requirement. The remaining composite certification content requirements are met by the chemistry, physics, and science courses used to fulfill requirements 3c, 3d, 3ei, and 5.
  - b. For life science certification: Biology 373, and three additional semester hours of biology chosen from the courses listed in requirement 6b and 6c
- j. Eighteen semester hours of professional development coursework consisting of:
  - a. Curriculum and Instruction 651S (Topic 4: *Secondary School Teaching Practicum: Science*)
  - b. Curriculum and Instruction 365C or UTeach-Natural Sciences 350

- c. Curriculum and Instruction 365D or UTeach-Natural Sciences 355
- d. Curriculum and Instruction 365E or UTeach-Natural Sciences 360
- e. UTeach-Natural Sciences 101, 110, and 170
- k. Students seeking middle grades certification must complete the following courses: Educational Psychology 350G, or Psychology 301 and 304; and Curriculum and Instruction 339E
- l. Enough additional coursework to make a total of 126 semester hours

## Option IX: Biology Honors

- 5. Breadth requirement: An honors mathematics course; Biology 315H and 325H; CH 301H and CH 302H; and an additional three-hour honors-designated course from a department in College of Natural Sciences. Credit earned by examination may not be counted toward this requirement.
- f. An eight-semester-hour sequence of coursework in physics chosen from the following:
  - i. Physics 301, 101L, 316, and 116L;
  - ii. Physics 317K, 117M, 317L, and 117N; or
  - iii. Physics 303K, 103M, 303L, and 103N
- g. Biology 206L or 208L and Chemistry 204
- h. Complete 24 hours chosen from any of the following courses:
  - i. Biology 370
  - ii. Cellular, developmental, and molecular biology: Biochemistry 369 or 339F, 339J, 339M, 364F, Biology 320, 326R, 330, 335, 336, 355, 339M, 344, 360K, 350, 350M, 361
  - iii. Genetics and genomics: Biochemistry 339N, Biology 321G, 325T, 356E, 327G, 354C, 366, 366R, 471, SDS 322E
  - iv. Physiology, neuroscience, and behavior: Biology 328, 438L, 359K, 359R, 361T, 367C, 365S, 374, Marine Science 355C
  - v. Ecology, evolution, and biodiversity: Biology 322, 324, 346, 351, 357, 364, 471G, 373, 375, Marine Science 320, 352C, 352D, 352E, 353, 354, 354C, 354E, 354Q, 356, 357
- i. Three upper-division laboratory courses in biology; Biology 377 or 379H may be used as only one of the three required upper-division laboratory courses. Courses used to fulfill this requirement may also be counted toward requirement 8.
- j. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
- k. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
  - l. Two semesters of Biology 379H
- m. Fifteen additional semester hours of coursework approved by the departmental honors advisor
- n. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
- o. Enough additional coursework to make a total of 120 semester hours

## Option X: Computational Biology

- 5. Statistics and Data Sciences 329C or Mathematics 340L or 341; Mathematics 362K or Statistics and Data Sciences 321; and Statistics and Data Sciences 322E
- f. Two courses from: Computer Science 303E, 313E, 323E, 323H, 324E, 326E, 327E, 329E, Mathematics 408D, 358K, 378K, Statistics and Data Sciences 322, 323, 324E, 335, 352, 353, 358, 374C, 374E.
- g. Two courses from genetics, genomics, and computational biology: Biochemistry 339N, Biology 321G, 325T, 356E, 327G, 354C, 366, 366R, 471
- h. Six hours chosen from any of the following courses:

- i. Cellular, development, and molecular biology: Biochemistry 369 or 339F, 339J, 339M, 364F, Biology 320, 326R, 330, 335, 336, 355, 339M, 344, 360K, 350, 350M, 361
- ii. Physiology, neuroscience, and behavior: Biology 328, 438L, 359K, 359R, 361T, 367C, 365S, 374; Neuroscience 330; Marine Science 355C
- iii. Ecology, evolution, and biodiversity: Biology 322, 324, 346, 351, 357, 364, 471G, 373, 375, Marine Science 320, 352C, 352D, 352E, 353, 354, 354C, 354E, 354Q, 356, 357
- i. One additional laboratory course chosen from: Biology 320L, 122L, 124L, 128L, BIO 129L, 325L, 328D, 230L, 331L, 340L, 446L, 448L, 349L, 353F, 453L, 354L, 455L, 456L, 260L, 361L, 463L, 165U, 369F, 369L, 371L, 373L, 174L, 478L, Marine Science 120L, 152L
- j. Nine hours of additional upper-division biochemistry, biology, chemistry, marine science, mathematics, physics, and statistics and data sciences
- k. Enough additional coursework to make a total of 120 semester hours

## Option XII: Genetics and Genomics

- e. Biochemistry 369 or 339F
- f. Biology 320, 325T, 350, 344, and 325L
- g. Chemistry 320M
- h. Three hours from: Biochemistry 339N, Biology 321G, SDS 322E
- i. Six hours from: Biology 326R, 356E, 327G, 354C, 366, 366R
- j. Biology 320L or 349L
- k. Nine additional hours in upper-division biochemistry, biology, chemistry, mathematics, and statistics and data sciences
- l. Enough additional coursework to make a total of 120 semester hours

## Special Requirements

Students in all Options must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the *General Information Catalog*.

To graduate and be recommended for certification, students who follow the teaching Option must have a University grade point average of at least 2.50. They must earn a grade of at least C- in the supporting course in requirement 8, and in each of the professional development courses listed in requirement 10 and must pass the final teaching portfolio review; those seeking middle grades certification must also earn a grade of at least C- in each of the courses listed in requirement 11. For information about the portfolio review and additional teacher certification requirements, students should consult the UTeach-Natural Sciences academic advisor.

To graduate under Option IX, students must remain in good standing in the [Dean's Scholars Honors Program](#), must submit an honors thesis approved by the departmental honors advisor, and present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/>.

## Order and Choice of Work

Students begin the Bachelor of Science in Biology degree program with six hours of introductory biology for science majors (Biology 311C and 311D), as well as Chemistry 301 or CH 301H and 302 or CH 302H and Mathematics 408C, 408N, or 408R. Students should consult with academic advisors about specific concentrations within biology, about appropriate courses in mathematics and physical sciences, and about course load and the balance between laboratory and nonlaboratory work. Most students select an Option by the end of the second year and take at least 21 hours of upper-division coursework in the major in the third and fourth years.

## Suggested Arrangement of Courses, Biology (BSBio)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C, 408R, or 408N (Core) <sup>020</sup>		4 M 408S (Major)		4 Study Abroad (Opportunity)	
CH 301 (Major)		3 CH 302 (Major)		3 Internship (Opportunity)	
BIO 311C (Core, Major) <sup>093</sup>		3 BIO 311D (Major)		3 GOV 310L (Core) <sup>070</sup>	3
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 CH 204 (Major)		2	
		RHE 306 (Core) <sup>010</sup>		3	
			<b>13</b>	<b>15</b>	<b>3</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 320M (Major)		3 CH 320N (Major)		3 Study Abroad (Opportunity)	
BIO 325 (Major)		3 CH 220C (Major)		2 Internship (Opportunity)	
BIO 206L (Major)		2 BIO 370 (Major)		3 Research (Opportunity)	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 E 316L, 316M, 316N, or 316P (Core)		3 GOV 312L (Core) <sup>070</sup>	3
Free elective (Elective)		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
			<b>14</b>	<b>14</b>	<b>3</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 302K & PHY 102M (Major)		4 PHY 302L & PHY 102N (Elective)		4 Study Abroad (Opportunity)	
Upper-division BIO course (Major)		3 SDS 320E (Major) <sup>0R, E, II</sup>		3 Internship (Opportunity)	
Upper-division BIO course (Major)		3 Upper-division BIO course (Major)		3	
Upper-division BIO course (Major)		3 Free elective (Elective)		3	
Free elective (Elective)		3			
			<b>16</b>	<b>13</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division BIO course (Major)		4 Upper-division BIO course (Major)		3 (None)	
Upper-division BIO course (Major)		3 Upper-division BIO course (Major)		3	
Upper-division BIO Lab course (Major)		3 Upper-division BIO Lab course (Major)		3	
Upper-division BCH, BIO, CH, MNS course (Major)		1 Upper-division BCH, BIO, CH, MNS course (Major)		3	

U.S. History (Core) <sup>060</sup>	3 U.S. History (Core) <sup>060</sup>	3	
	14	15	0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Chemistry

Six degree plans lead to the Bachelor of Science in Chemistry. Focus Areas I, II, III, and IV are intended to prepare students for professional careers, either upon graduation or after graduate study in chemistry or related fields. Focus Area V, Teaching, is intended to prepare students to enter the teaching profession. Focus Area VI, Chemistry Honors, is intended to prepare students for academic or research careers. Students who plan to follow Focus Area VI must be admitted to the [Dean's Scholars Honors Program](#) (p. ).

The six degree plans may also serve as the basis for work in many areas outside pure chemistry, such as materials science, medicine and other health-related fields, pharmacology, patent law, business, computation, or environmental science. Supporting work in mathematics and physics is an integral part of the degree programs. Compared to the program leading to the bachelor of arts degree, the Bachelor of Science in Chemistry degree programs are more thorough and demanding and potentially more rewarding to the student planning a career in chemistry.

## Prescribed Work Common to All Focus Areas

In the process of fulfilling degree requirements, all students must complete:

- Core curriculum
- Skills and experience flags:
  - Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - Quantitative reasoning: one flagged course
  - Global cultures: one flagged course
  - Cultural diversity in the United States: one flagged course
  - Ethics: one flagged course
  - Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States

and the global cultures flag from the same course. Students are encouraged to discuss options with their academic advisors.

- The following courses:
  - Mathematics 408C and 408D; or 408N, 408S, and 408M; 427J
  - Statistics and Data Sciences 320E
  - One of the following sequences:
    - Physics 301, 101L, 316, and 116L
    - Physics 303K, 105M, 303L, and 105N
  - General chemistry: Chemistry 301 or 301C, 302 or 302C, and 317
  - Organic chemistry: Chemistry 128K, 128L, 328M, and 328N; Chemistry 128K, 128L, 328C and 329C; or Chemistry 220C, 320M, and 320N
  - Chemistry professional development: Chemistry 119C
  - Physical Chemistry: Chemistry 353 or 353M, 153K, and 354
- Thirty-six semester hours of upper-division coursework.
- At least 21 semester hours of upper-division coursework, including at least 12 semester hours of upper-division coursework in chemistry, must be completed in residence at the University.

## Additional Prescribed Work for Each Focus Area

### Focus Area I: Chemical Physics & Instrumentation

- All of the following:
  - Biology 311C
  - Biochemistry 339F and 370
  - Chemistry 154K, 456, 376K, and 378L
- Choose four of any of the following courses: Chemistry 354C, 354M, 354S, 368, 368Q, 369K, 375K, 379H; Chemical Engineering 253K, 253M, 350; Biomedical Engineering 311, 335, 339, 343, 349; Electrical and Computer Engineering 313, 347, 351K; Physics 315, 333, 338K, 345; Biochemistry 339N, 364D
- Enough additional coursework to make a total of 120 hours

### Focus Area II: Molecular Theory & Simulation

- All of the following:
  - Chemistry 354C, 354M, and 378L
  - Statistics and Data Sciences 322 and 335
- Choose four of any of the following courses: Chemistry 354S, 154K, 366D, 367C, 367P, 368, 368Q, 369K, 375K, and 379H; Mathematics 368K; Physics 333, 345, and 375S; Statistics and Data Sciences 374C
- Enough additional coursework to make a total of 120 hours

### Focus Area III: Materials Chemistry

- All of the following: Chemistry 431, 456, 366C, 367C, and 378L
- Choose four of any of the following courses: Chemistry 341, 354S, 366C, 366D, 366E, 367P, 368, 368Q, 369K, 375K, 375P, 379H; Chemical Engineering 322, 323, 343; Electrical and Computer Engineering 334K, 339, 339S; Engineering Studies 360M; Mechanical Engineering 349; Petroleum and Geosystems Engineering 326, 421K, 427



8. Enough additional coursework to make a total of 120 hours

## Focus Area IV: Synthesis & Chemical Biology

6. All of the following:

- a. Biology 311C and 311D
- b. Biochemistry 339F
- c. Chemistry 431, 456, 376K, and 378L

7. Choose four of any of the following courses: Chemistry 341, 354C, 354S, 154K, 366C, 366D, 366E, 367C, 367P, 368, 368Q, 369K, 372C, 375K, 375P, 379H; Biochemistry 339J, 339N, 364D, 369L, 370; Biology 325, 344; Biomedical Engineering 339, 355; Pharmacy PharmD 310K, 350K; Pharmacy Graduate Studies 388C, 396M

8. Enough additional coursework to make a total of 120 hours

## Focus Area V: Teaching

This focus area is designed to fulfill the course requirements for certification as a middle grade or secondary school science teacher in Texas; the student chooses one of the following areas: composite science certification with chemistry as the primary teaching field; physical sciences certification; or physical science, mathematics, and engineering certification. However, completion of the course requirements does not guarantee the student's certification. Information about additional teacher certification requirements is available from the UTeach-Natural Sciences academic advisor.

6. Mathematics 408C and 408D, or 408N, 408S, and 408M

g. History 329U or Philosophy 329U

h. One of the following sequences:

- a. For students seeking composite science certification: Physics 301, 101L, 316, and 116L; or Physics 303K, 105M, 303L, and 105N; or Physics 317K, 105M, 317L, and 105N. Science 365 and Physics 108 may substitute for Physics 316 and 116L, 317L and 105N, or 303L and 105N. Physics 108 is offered on the pass/fail basis.
- b. For students seeking either physical sciences certification or, mathematics, physical science, and engineering certification: Physics 301, 101L, 316, 116L, 315, and 115L; or 303K, 105M, 303L, 105N, 315, and 115L

i. The requirements of one of the following certification areas:

- a. For composite science certification:
  - i. Biology 311C and 311D
  - ii. Six hours of coursework in geological sciences; courses intended for non-science majors may not be counted toward this requirement
  - iii. Enough additional approved coursework in biology, geological sciences, or physics to provide the required 12 hours in a second field
  - iv. Chemistry 368 (Topic 1: *Research Methods: UTeach*) or, with the consent of the UTeach-Natural Sciences academic advisor, an upper-division chemistry course that includes a substantial research component
  - v. In place of requirements 3f through 3g of the prescribed work above, the following courses, for a total of at least 34 semester hours of chemistry: Biochemistry 339F or 369; Chemistry 353; and 455 or 456
- b. For physical sciences certification:

- i. Mathematics 427J or 427K and 427L
  - ii. Chemistry 153K, 354C and 154K
  - iii. Chemistry 354 and three hours of upper-division coursework in physics
  - iv. Chemistry 368 (Topic 1: *Research Methods: UTeach*) or, with the consent of the UTeach-Natural Sciences academic advisor, an upper-division chemistry course that includes a substantial research component
  - v. In place of requirements 3f through 3g of the prescribed work above, the following courses, for a total of at least 34 semester hours of chemistry: Biochemistry 339F or 369; Chemistry 353, and 455 or 456
- c. For mathematics, physical science, and engineering certification:
- i. Mathematics 315C, 375D, 427J or 427K, and 333L
  - ii. Engineering Studies 301; and Mechanical Engineering 377K upon approval of the project by the UTeach Program
  - iii. Chemistry 368 (Topic 1: *Research Methods: UTeach*) or, with the consent of the UTeach-Natural Sciences academic advisor, an upper-division chemistry course that includes a substantial research component
  - iv. In place of requirements 3f through 3g of the prescribed work above, the following courses, for a total of at least 30 semester hours in chemistry: Chemistry 353 and 153K, 455, and Biochemistry 369

- j. Eighteen semester hours of professional development coursework consisting of:
- a. Curriculum and Instruction 651S (Topic 4: *Secondary School Teaching Practicum: Science*)
  - b. Curriculum and Instruction 365C or UTeach-Natural Sciences 350
  - c. Curriculum and Instruction 365D or UTeach-Natural Sciences 355
  - d. Curriculum and Instruction 365E or UTeach-Natural Sciences 360
  - e. UTeach-Natural Sciences 101, 110, and 170
- k. Students seeking middle grades certification must complete the following courses: Educational Psychology 350G or Psychology 301 and 304; and Curriculum and Instruction 339E

l. Enough additional coursework, if needed, to make a total of 126 semester hours

## Focus Area VI: Chemistry Honors

6. Breadth requirement: A three-hour honors-designated course from a department in the College of Natural Sciences. Credit earned by examination may not be counted toward this requirement

- g. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
- h. A section of Rhetoric and Writing 309S that is restricted to Dean's Scholars
- i. Chemistry 379H and a three-semester-hour upper-division research course approved by the departmental honors advisor, or six hours of Chemistry 379H
- j. Twenty-two additional hours of coursework based on Focus Area I, II, III, or IV and approved by the departmental honors advisor
- k. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts

I. Enough additional coursework to make a total of 120 semester hours

## Special Requirements

Students in all Focus Areas must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a University grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate and be recommended for certification, students who follow the teaching focus area must have a University grade point average of at least 2.50. They must earn a grade of at least C- in the supporting course in requirement 8, and each of the professional development courses listed in requirement 11 and must pass the final teaching portfolio review; those seeking middle grades certification must also earn a grade of at least C- in each of the courses listed in requirement 12. For information about the portfolio review and additional teacher certification requirements, consult the UTeach-Natural Sciences academic advisor.

To graduate under Focus Area VI, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu>

## Order and Choice of Work

Students begin the Bachelor of Science in Chemistry degree program with nine hours of introductory chemistry for science majors (Chemistry 301, 302, and 317), as well as Mathematics 408C or 408N. Students should consult with their academic advisors about planning to choose a chemistry degree focus area, appropriate course in mathematics and physical sciences, and about course load and balance between laboratory and lecture courses. Most students will select a degree focus area by the end of the second year and take at least 21 hours of upper-division coursework in the major requirements in the third and fourth years.

i. Engineering Studies 301; and Mechanical Engineering 377Kupon approval of the project by the UTeach Program

## Suggested Arrangement of Courses, Chemistry (BSCh)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 301C (Core/Major) <sup>030,QR</sup>	3	CH 302C (Major) <sup>030,QR</sup>	3	Study Abroad (Opportunity)	
M 408N or 408C (Core, Major) <sup>020,QR</sup>	4	CH 317 (Major) <sup>QR</sup>	3	Internship (Opportunity)	
BIO 311C (Major)	3	M 408S or 408D (Major)	4		
Visual and Performing Arts (Core) <sup>050</sup>	3	Social and Behavioral Science course (Core) <sup>080</sup>	3		
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	U.S. History (Core) <sup>060</sup>	3		
	16		16		0

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 328M, <b>and</b> CH 128K, or CH 320M (Major)	3	CH 328N, <b>and</b> CH 128L, or CH 320N <b>and</b> CH 220C (Major)	3	Study Abroad (Opportunity)	4
PHY 301 & PHY 101L (Major) <sup>030,QR</sup>	4	PHY 316 & PHY 116L (Major) <sup>030,QR</sup>	4	Internship (Opportunity)	4
M 427J (Major)	4	Statistics course (Major)	3		3
RHE 306 (Core) <sup>010</sup>	3	Free elective (Elective)	3		3
	14		14		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 353 (Major)	3	CH 153K (Major) <sup>Wr</sup>	3	Study Abroad (Opportunity)	1
BCH 339F (Major)	3	CH 354 (Major)	3	Internship (Opportunity)	3
Focus Area Elective course (Major)	3	BCH 370 (Major)	3		3
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Focus Area Elective course (Major)	3		3
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		3
		Free elective (Elective)	3		3
	15		16		0

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 456 (Major)	4	CH 376K (Major) <sup>II,Wr</sup>	3	(None)	3
CH 154K (Major)	1	CH 378L (Major)	3		3
U.S. History (Core) <sup>060</sup>	3	Focus Area Elective course (Major)	3		3
Focus Area Elective course (Major)	3	Free electives (Elective)	3		3
Free electives (Elective)	3	Free electives (Elective)	3		3
		Maymester (Opportunity)			
	14		15		0

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Computer Science

The Bachelor of Science in Computer Science degree program provides a strong technical background for students planning to begin careers

upon graduation and for those interested in graduate study in computer science. This program allows students to take more coursework in computer science and related technical areas than does the bachelor of science and arts degree program.

In addition to the three options leading to the Bachelor of Science in Computer Science, students may apply to the Integrated Program, which leads to simultaneous completion of the Bachelor of Science in Computer Science and the Master of Science in Computer Science, the Master of Science in Information Studies, or the Master of Science in Computational Science, Engineering, and Mathematics. The requirements for the Bachelor of Science in Computer Science, Integrated Program are given below. The requirements for the Master of Science in Computer Science, the Master of Science in Information Studies, and the Master of Science in Computational Science, Engineering, and Mathematics are described in the [Graduate Catalog](#).

Students who would like to pursue any of the following degree programs must first be admitted. The admission processes for Bachelor of Science in Computer Science, Turing Scholars Honors, Integrated Program and Computer Science and Business Honors are described in [The Major in Computer Science](#) (p. ); the admission process for Computer Science Honors is described in the section [Dean's Scholars Honors Program](#) (p. ).

## Prescribed Work Common to All Degrees

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - b. Quantitative reasoning: one flagged course
  - c. Global cultures: one flagged course
  - d. Cultural diversity in the United States: one flagged course
  - e. Ethics: one flagged course
  - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- c. One of the following foreign language/culture choices: (Students in Computer Science Honors, and Honors Computer Science and Business are exempt from this requirement)
  - a. Beginning level proficiency coursework, or the equivalent, in a foreign language
  - b. First course in a foreign language and a three-semester-hour course in the culture of the same language area
  - c. Two three-semester-hour courses in one foreign culture area. The courses must be chosen from an approved list available in the dean's office and the college advising centers. A list may also be found here: <https://cns.utexas.edu/students/degrees-majors-advising/university-core-curriculum/foreign-culture-requirement>.
- d. At least 42 semester hours of upper-division coursework.
- e. At least 21 semester hours of upper-division coursework in computer science must be completed in residence at the University.

## Additional Prescribed Work for Each Option

### Computer Science

- f. Mathematics 408C and 408D, or 408N, 408S, and 408M; either 340L or 341 or Statistics and Data Sciences 329C; and Mathematics 362K or Statistics and Data Sciences 321
- g. One of the following sequences of coursework:
  - a. Either Biology 311C and 311D, or Biology 315H and 325H
  - b. Chemistry 301 or 301C, and 302 or 302C
  - c. Physics 303K and 105M, 301 and 101L, or 317K and 105M; and 303L and 105N, 316 and 116L, or 317L and 105N
- h. Three to four additional hours of majors-level coursework chosen from:
  - a. a different sequence listed in requirement 7
  - b. Geological Sciences 303 or Geological Sciences 401
  - c. upper-division mathematics, excluding Mathematics 325K, 340L, 341, and 362K
- i. The following courses in computer science:
  - a. Theory: Computer Science 311 or 311H, 331 or 331H
  - b. Programming: Computer Science 312, 314 or 314H
  - c. Systems: Computer Science 429 or 429H, 439 or 439H
  - d. Twenty-four additional hours of upper-division courses in computer science
- j. Enough additional coursework to make a total of 120 semester hours.

### Turing Scholars Honors

- f. Mathematics 408C and 408D, or 408N, 408S, and 408M; either 340L or 341 or Statistics and Data Sciences 329C; and Mathematics 362K or Statistics and Data Sciences 321
- g. One of the following sequences of coursework:
  - i. Either Biology 311C and 311D, or 315H and 325H
  - ii. Chemistry 301 or 301C, and 302 or 302C
  - iii. Physics 303K and 105M, 301 and 101L, or 317K and 105M; and 303L and 105N, 316 and 116L, or 317L and 105N.
- h. Three or four additional hours of majors-level coursework chosen from:
  - i. a different sequence listed in requirement 7
  - ii. Geological Sciences 303 or Geological Sciences 401
  - iii. upper-division mathematics, excluding Mathematics 325K, 340L, 341, and 362K
- i. The following courses in computer science:
  - i. Theory: Computer Science 311 or 311H, 331 or 331H
  - ii. Programming: Computer Science 314 or 314H
  - iii. Systems: Computer Science 429 or 429H, 439 or 439H
  - iv. Computer Science 178H and 379H
  - v. Twenty-one hours of upper-division courses in computer science

The courses the student chooses to fulfill requirements a through c must be approved by the [Turing Scholars](#) program director. In addition to Computer Science 429H, 178H and 379H, at least five upper-division courses chosen to fulfill requirements a through e must be honors courses. The honors thesis the student completes in Computer Science 379H must be approved by the program director.

- j. Enough additional coursework to make a total of 120 semester hours

## Computer Science Honors

- f. Breadth requirement: An honors mathematics course; Computer Science 311H and 314H; one of the following two-semester sequences: Biology 315H and 325H, Chemistry 301C and 302C, Physics 301, 101L, 316, and 116L; and either an additional three hours chosen from these courses or Physics 315 and 115L. Credit earned by examination may not be counted toward this requirement.
- g. At least six semester hours of upper-division coursework in mathematics
- h. Computer Science 429H, 331H, 439H, and 12 additional hours of upper-division coursework in computer science
- i. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
- j. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
- k. Computer Science 379H and a three-semester-hour upper-division research course approved by the departmental honors advisor
- l. Twenty-five additional semester hours of coursework approved by the departmental honors advisor
- m. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
- n. Enough additional coursework to make a total of 120 semester hours

## Integrated Program

- f. Mathematics 408C and 408D, or 408N, 408S, and 408M; either 340L or 341 or Statistics and Data Sciences 329C; and Mathematics 362K or Statistics and Data Sciences 321
- g. One of the following sequences of coursework:
  - a. Either Biology 311C and 311D, or Biology 315H and 325H
  - b. Chemistry 301 or 301C, and 302 or 302C
  - c. Physics 303K and 105M, 301 and 101L, or 317K and 105M; and 303L and 105N, 316 and 116L, or 317L and 105N
- h. Three or four additional hours of majors-level coursework chosen from:
  - a. a different sequence listed in requirement 7
  - b. Geological Sciences 303 or Geological Sciences 401
  - c. upper-division mathematics, excluding Mathematics 325K, 340L, 341, and 362K
- i. The following courses in computer science:
  - a. Theory: Computer Science 311 or 311H, 331, or 331H
  - b. Programming: Computer Science 312, 314 or 314H
  - c. Systems: Computer Science 429 or 429H, 439 or 439H
  - d. Eighteen additional hours of upper-division courses in computer science
- j. Enough additional coursework to make a total of 120 semester hours

## Honors Computer Science and Business

- 6. Mathematics 408C and 408D, or 408N, 408S, and 408M; either Mathematics 340L or 341 or Statistics and Data Sciences 329C; and Statistics and Data Sciences 321
- 7. One of the following sequences of coursework, also fulfills all of part I of the core curriculum science and technology requirement:
  - a. Either Biology 311C and 311D, or 315H and 325H
  - b. Chemistry 301 or 301C, and Chemistry 302 or 302C
  - c. Physics 303K and 105M, 301 and 101L, or 317K and 105M; and 303L and 105N, 316 and 116L, or 317L and 105N
- 8. Economics 304K and 304L
- 9. Three semester hours of coursework in anthropology, psychology, educational psychology, or sociology with a primary focus other than statistics or data processing. Courses dealing primarily with statistics or data processing may not be used to fulfill this requirement. Social Science 302C, 302D, 302E, and 302F (for Plan II dual majors only) are also accepted. A list of coursework can be found in the Canfield Business Honors academic advising office.
- 10. The following courses in computer science:
  - a. Theory: Computer Science 311H, 331H
  - b. Programming: Computer Science 314H
  - c. Systems: Computer Science 429H, 439H
  - d. Twelve additional hours of upper-division courses in computer science of which six hours must carry the honors designation.
- 11. Completion of the following business core courses and other business courses in special Honors Program sections:
  - a. Accounting 311H (may fulfill the quantitative reasoning flag)
  - b. Accounting 312H (may fulfill the quantitative reasoning flag)
  - c. Business Administration 101H
  - d. Business Administration 151H
  - e. A professional, business-related experiential learning course chosen from the following: Accounting 366P, Business Administration 353, 653, Finance 366P, Management 347P, 366P, 367P, 369P, Management Information Systems 366P, Marketing 366P, Operations Management 366P; only one of the following courses may be counted toward the degree: Business Administration 353, and Business Administration 653.
  - f. Business Administration 324 or Communication 324H (may fulfill the writing flag)
  - g. Decision Science 235H
  - h. Finance 357H
  - i. Legal Environment of Business 323H
  - j. Management 101H
  - k. Management 336H (may fulfill the ethics flag)
  - l. Management 327H

m. Management 374H (may fulfill the writing and independent inquiry flags)

n. Management Information Systems 301H

o. Marketing 337H

p. Operations Management 235H

q. Statistics 235H (may fulfill the quantitative reasoning flag)

This dual major requires 124 hours for completion of both degrees

## Special Requirements

Students in all options must fulfill both the University's [general requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

Enrollment in Computer Science 312, 311 or 311H, and 314 or 314H is restricted to computer science entry-level majors. All other computer science courses that may be counted toward a degree in computer science are restricted to students who have been admitted to the computer science major or have the consent of the undergraduate faculty advisor.

An undergraduate may not enroll in any computer science course more than once without written consent of an undergraduate advisor in computer science. No student may enroll in any computer science course more than twice. No student may take more than three upper-division computer science courses in a semester without written consent of an undergraduate advisor in computer science. All transfer coursework must be approved by faculty before it can count towards a computer science degree, except where equivalency is specified by state regulation.

## Additional Requirements for Turing Scholars

Students in the [Turing Scholars program](#), must maintain a University grade point average of at least 3.25 and a grade point average in computer science of at least 3.25; in rare circumstances, this grade point average requirement will be waived for students whose honors thesis has been judged by the Department of Computer Science Undergraduate Thesis Committee to be truly outstanding. In addition to this grade point average requirement, students must know and abide by the academic and disciplinary policies given in this catalog and in the [General Information Catalog](#). Those who fail to do so will be considered for academic dismissal from the Turing Scholars program. Under special circumstances and at the discretion of the director, a student will be allowed to continue in the program under academic review. A student who is academically dismissed from the program may enter another computer science program if he or she fulfills the scholastic standards for continuance in the University given in *General Information*. Students in scholastic difficulty should discuss their problems with a Turing Scholars program academic advisor and the director.

## Additional Requirements for Computer Science Honors

To graduate, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and present their research in an

approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/>.

## Additional Requirements for Integrated Program

### Satisfactory Progress

Students are expected to make continuous progress toward the degree by completing required computer science coursework each semester. Those who fail to take program coursework two long-session semesters in a row will be removed from the program and re-enrolled in the Bachelor of Science in Computer Science Option that they were following before admission to the Integrated Program. Students will be notified before this action is taken; they must meet with their academic advisor upon being notified.

### Probation

The student is placed on probation if his or her grade point average in required undergraduate computer science courses falls below 3.00. Except with the consent of the undergraduate advisor or the graduate advisor, a student on probation may not take graduate computer science courses.

### Dismissal

The student is dismissed from the Integrated Program if (1) he or she fails to improve his or her academic performance significantly while on probation, or (2) he or she will not achieve a grade point average of 3.00 even by earning grades of A in all remaining required undergraduate computer science and graduate courses.

Like all students, those in the Integrated Program must know and abide by the academic and disciplinary policies given in this catalog and in the [General Information Catalog](#). Those who fail to do so will be considered for academic dismissal from the program. Under special circumstances and at the discretion of the director, a student may be allowed to continue in the program under academic review. A student who is academically dismissed from the program may enter another computer science program if he or she fulfills the scholastic standards for continuance in the University given in the [General Information Catalog](#). Students in scholastic difficulty should discuss their problems with an academic advisor and the undergraduate faculty advisor.

### Graduation

To receive the Bachelor of Science in Computer Science and Master of Science in Computer Science, Master of Science in Information Studies, or Master of Science in Computational Science, Engineering, and Mathematics degrees through the Integrated Program, a student must have a University grade point average of at least 3.00 in the coursework in the Master of Science Program of Work. He or she must also have a grade point average in graduate computer science and information studies, or computational science, engineering, and mathematics coursework of at least 3.00.

### Order and Choice of Work

The student must consult the faculty advisor each semester regarding order and choice of work.

Note: Computer science courses with numbers ending in H are intended for students in Option II, the Turing Scholars program, and Option III, computer science honors. Students outside these Options may enroll in these courses only with the special consent of the honors director.

# Additional Requirements for Honors Computer Science and Business

## Admission

Admission to Honors Computer Science and Business (CSB) is limited to a small number of high performing students who are chosen on a competitive basis. Students selected for the program will have demonstrated exceptional potential for success in both computer science and business. Admission decisions are made by the CSB Committee. Students enter the program as freshmen.

Students entering the University as freshmen may apply to the CSB by completing a separate online application available through the Office of Admissions. The CSB Committee considers the student's SAT Reasoning Test or ACT scores, high school class rank, preparatory courses, extracurricular activities, evidence of leadership ability, and other objective criteria.

## Academic Standards

A student who enters CSB as a freshman must have a grade point average of at least 3.25 on the courses taken in residence during the fall and spring semesters of the first year to continue in the program. The student must complete at least 12 semester hours in residence on the letter-grade basis during each of those two semesters. After the freshman year, each student is dismissed from the program if their overall, computer science, or business grade point average drops below 3.25. In addition to this grade point average requirement, students must know and abide by the academic and disciplinary policies given in this catalog and in the *General Information Catalog*. Those who fail to do so will be considered for academic dismissal from the program. Under special circumstances and at the discretion of the CSB Program Committee, a student will be allowed to continue in the program under academic review. Students in scholastic difficulty should discuss their problems with the CSB Honor Program director(s) and their academic advisor(s).

## Graduation

To graduate under the CSB Honors Program, the student must earn a University grade point average of at least 3.25 and a grade point average of at least 3.25 in business courses and a grade point average of at least 3.25 in computer science courses. A candidate for any degree must be enrolled at The University of Texas at Austin in the semester or summer session in which the degree is awarded.

Students in CSB must satisfy the University's Core Curriculum and degree requirements for a B.S. in Computer Science and for a B.B.A.; combined degree requirements below. If students later elect to complete only one degree, they must consult their academic advisor(s) and fulfill all degree requirements.

## Suggested Arrangement of Courses, Computer Science (BSCompSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C S 312 (Core, Major) <sup>093</sup>	3	C S 311 (Major)	3	M 408M (Major)	4
M 408C or 408N (Core, Major) <sup>020, QR</sup>	4	C S 314 (Major) <sup>QR</sup>	3	Study Abroad (Opportunity)	
U.S. History (Core) <sup>060</sup>	3	M 408D or 408S (Major)	4	Internship (Opportunity)	

Social and Behavioral Sciences (Core) <sup>080</sup>	3	U.S. History (Core) <sup>060</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3		
<b>16</b>		<b>16</b>		<b>4</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C S 429 (Major)	4	C S 439 (Major) <sup>II</sup>	4	Study Abroad (Opportunity)	
SDS 321 or M 362K (Major) <sup>QR</sup>	3	Upper-division C S course (Major)	3	Internship (Opportunity)	
GOV 310L (Core) <sup>070</sup>	3	M 340L or SDS 329C <sup>QR</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
<b>16</b>		<b>16</b>		<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
C S 331 (Major) <sup>QR</sup>	3	Upper-division C S course (Major)	3	Study Abroad (Opportunity)	
Upper-division C S course (Major)	3	Upper-division C S course (Major)	3	Internship (Opportunity)	
Natural Science and Technology, Part I (Core) <sup>030</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3		
Foreign Language (General Education)	3	Foreign Language (General Education)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division C S course (Major)	3	Upper-division C S course (Major)	3	(None)	
Upper-division C S course (Major)	3	Upper-division C S course (Major)	3		
Math or Science course (Major)	3	Free electives (Elective)	9		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Maymester (Opportunity)			
Free elective (Elective)	3				
<b>15</b>		<b>15</b>		<b>0</b>	
<b>Total credit hours: 128</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Bachelor of Science in Environmental Science

The Bachelor of Science in Environmental Science degree program is designed for students interested in an interdisciplinary scientific perspective on environmental and sustainability issues, analysis, and management. The degree program provides the broad foundation in physical, life, and social sciences needed for a career or graduate study in environmental science and related fields such as climate change, ecology, and conservation. Students who complete the program successfully will be able to assess environmental issues critically from multiple perspectives; to perform field, laboratory, and computer analyses; and to conduct original research. The program is designed to prepare graduates for careers in local, state, and federal government laboratories and nonprofit agencies, environmental consulting firms, environmental education and outreach agencies, and universities and other research settings. The degree is offered by the College of Natural Sciences with a focus on biological sciences, by the College of Liberal Arts with a focus on geographical sciences, and by the Jackson School of Geosciences with a focus on geological sciences. The degree programs share common prescribed work, but each degree has its own specific requirements. Students may earn only one Bachelor of Science in Environmental Science degree from the University.

The Bachelor of Science in Environmental Science curriculum consists of 126 semester hours of coursework. All students must complete the University's [Core Curriculum](#) (p. 23). The specific degree requirements consist of prescribed work, major requirements, and electives. In some cases, a course that is required for the degree may also be counted toward the core curriculum.

A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work area; the only exception to this rule is that a course that fulfills another requirement may also be used to fulfill a flag requirement, unless otherwise specified.

In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the following Skills and Experience flags:

- a. Writing: three flagged courses beyond Rhetoric and Writing 306 or its equivalent; students in the College of Natural Sciences and the Jackson School of Geosciences must complete only two flagged writing courses. For students in the College of Natural Sciences and the College of Liberal Arts, at least one writing flag must be from an upper-division course.
- b. Quantitative reasoning: one flagged course
- c. Global cultures: one flagged course
- d. Cultural diversity in the United States: one flagged course
- e. Ethics: one flagged course
- f. Independent inquiry: one flagged course

## Prescribed Work Common to All Environmental Science Majors

- a. Mathematics: Mathematics 408C, or 408N and 408S, or 408K and 408L.
- b. Chemistry: Chemistry 301 or CH 301H; 302 or CH 302H; and 204.
- c. Physics: Physics 317K and 117M, Physics 303K and 103M, or Physics 301 and 101L.
- d. Biological Sciences: Biology 311C and 311D, or 315H.

- e. Ecology:
  - a. Biology 373 or Marine Science 320. Marine Science 320 may not be used to satisfy both requirement 5a and requirement 10c. Environmental science majors in the College of Natural Sciences must choose Biology 373.
  - b. Biology 373L or Marine Science 120L. Environmental science majors in the College of Natural Sciences must choose Biology 373L.
- f. Geological Sciences: Geological Sciences 401 or 303 or Geography 401C; Geological Sciences 346C; and an approved geological sciences course in sustainability.
- g. Geography: Geography 335N.
- h. Field experience and research methods: Environmental Science 311 and 121.
- i. Capstone Research Experience: one of the following pairs:
  - i. Environmental Science 271 and 371 or Environmental Science 171 and 471.
  - ii. Environmental Science 172C and 472D or Environmental Science 272C and 372D.
  - iii. Environmental Science 271 or Marine Science 370, and one of the following: Chemistry 320M, Geography 460G, 368C, 462K, Geological Sciences 327G, Mathematics 408D, 408M, Statistics and Data Sciences 321 or 320E. Note: Geography 460G, 462K, and Geological Sciences 327G may not be used to satisfy both requirement 9c and 10b. Statistics and Data Sciences 321 and 320E may not be used in this requirement by students in the College of Natural Sciences. Biology 377 may substitute for Environmental Science 271 with prior approval of the faculty advisor. Tutorial Course 660HA and 660HB may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor. Geological Sciences 172H, 173H, and 379H may substitute for Environmental Science 271 and 371 with prior approval of the faculty advisor. Natural Sciences 323 and 371 may substitute for Environmental Science 271 and 371 with the prior approval of the faculty advisor.
- j. Environmental and sustainability themes: one course in each of the following thematic areas:
  - a. Environmental and sustainability policy, ethics, and history: Geography 323K, 331K, 334, 336C, 339K, 340D, 342C, 344K, 356C, History 350R (Topic 7: Environmental History of North America), Journalism 346F, Marine Science 367K, or Philosophy 325D. Biology 337, Geography 356, 356T, or Sociology 321K may be counted with prior approval of the faculty advisor.
  - b. Geographic information systems: Geography 460G, 462K, Geological Sciences 327G.
  - c. Climates and oceans: Biology 456L, Geography 333K, Geological Sciences 338J, 347D, 347G, 377P, Marine Science 320, 440, 354Q, 354T, 356. Marine Science 320 may not be used to satisfy both requirement 5 and requirement 10. Marine Science 356 may not be used to satisfy both requirement 10c and requirement 14 in Option I. Marine Science 356 may not be used to satisfy both requirement 10c and requirement 18 in Option II. Biology 337, 437, Geography 356, 356T, Geological Sciences 371C, 371T, Marine Science 352, or 353 may count with prior approval of the faculty advisor.
  - d. Environmental economics, sustainability, and business: Economics 304K, 330T. Advanced Placement credit for Economics 304L may be used to satisfy this requirement.

k. Environmental Science 141 and 151.

## Major Requirements

### Option I: Biological Science

- I. One of the following foreign language/culture choices:
  - a. Beginning level proficiency coursework, or the equivalent, in a foreign language.
  - b. First course in a foreign language and a three-semester-hour course in the culture of the same language area.
  - c. Two three-semester-hour courses in one foreign culture area; the courses must be chosen from an approved list available in the dean's office and the college advising centers.
- m. Three hours in statistics chosen from SDS 320E and 321; with the consent of the undergraduate advisor, an upper-division statistics or probability course may be used to fulfill this requirement.
- n. Three hours in conservation and environmental biology chosen from Biology 351, 375, Marine Science 352E, 355E or 356. Marine Science 356 may not be used to satisfy both requirement 10c and requirement 14. Marine Science 352 may count with prior approval of the faculty advisor.
- o. Biology 325 or 325H (for students completing Biology 315H), and 370.
- p. One of the following taxon/systems-based diversity courses or pairs of courses: Biology 321L, 324 and 124L, BIO 327 and BIO 127L, 340L, 448L, 353F, 453L, 354L, 455L, 463L, 364, 369F, 369L, 471G, 352C, 352D, 354, 354C, 354E, 354U, or 357.
- q. One of the following physiology, neurobiology, and behavior courses or pairs of courses: Biology 322 and 122L, 328, 438L, 355, 345E, 346, 359J, 359K, 359R, 361, 361T, 365S, 367C, 371L, Marine Science 355C.
- r. Complete one upper-division laboratory course in addition to the laboratory requirements in the Prescribed Work Common to All Environmental Science Majors. A laboratory course taken to meet requirement 16 or 17 may be used to fulfill this requirement.
- s. Enough additional coursework to make a total of 126 hours.

### Option II: Biological Sciences Honors

12. To fulfill requirements 1 through 4 of the prescribed work common to all options above, students complete the following breadth requirement: An honors mathematics course; Biology 315H and 325H; CH 301H and CH 302H; Physics 301 and 101L; and a designated honors statistics course. Credit earned by examination may not be counted toward this requirement.
13. Chemistry 204.
14. A section of Undergraduate Studies 302 or 303 that is approved by the honors program advisor.
15. A section of Rhetoric and Writing 309S that is restricted to student in the Dean's Scholars Honors Program.
16. Two semesters of Biology 379H; these courses may be used to fulfill requirement 9.
17. Biology 370.

18. Three semester hours in conservation and environmental biology chosen from Biology 351, 375, Marine Science 352E, 355E, or 356. Marine Science 356 may not be used to satisfy both requirement 10c and requirement 18.

19. One of the following taxon/systems-based diversity courses or pairs of courses: Biology 321L, 324 and 124L, BIO 327 and BIO 127L, 340L, 448L, 353F, 453L, 354L, 455L, 463L, 364, 369F, 369L, 471G, Marine Science 352C, 352D, 354, 354C, 354E, 354U or 357.
20. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts.
21. Complete one upper-division laboratory course in addition to the laboratory requirements in the Prescribed Work Common to All Environmental Science Majors. A laboratory course taken to fulfill requirement 19 may be used to fulfill this requirement.
22. Enough additional coursework approved by the honors advisor to make a total of 126 semester hours.

## Special Requirements

Students must fulfill both the University's [general requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate under the honors option, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the program honors advisor, and present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/>.

## Suggested Arrangement of Courses, Biological Sciences (BSEnvirSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (Core) <sup>020</sup>		4 EVS 311 (Major)		3 Study Abroad (Opportunity)	
BIO 311C (Core, Major) <sup>093</sup>		3 BIO 311D (Major)		3 Internship (Opportunity)	
CH 301 (Core, Major) <sup>030</sup>		3 CH 302 (Core, Major) <sup>030</sup>		3 Research (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 GEO 303 or 401 (Major)		3 GOV 310L (Core) <sup>070</sup>	3
		RHE 306 (Core) <sup>010</sup>		3	
			<b>13</b>	<b>15</b>	<b>3</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 204 (Major)		2 EVS 121 (Major) <sup>Wr</sup>		1 Study Abroad (Opportunity)	
GEO 346C (Major)		3 Geographic Info Systems course (Major)		3 Internship (Opportunity)	
GRG 335N (Major)		3 BIO 325 (Major)		3	
U.S. History (Core) <sup>060</sup>		3 Environmental & Sustainable course (Major)		3	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3	



	Visual and Performing Arts (Core) <sup>050</sup>	3			
	<b>14</b>	<b>16</b>			<b>0</b>
<b>Third Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
PHY 302K & PHY 102M (Major)	4	PHY 302L & PHY 105N	4	Study Abroad (Opportunity)	
SDS 320E (Major) <sup>0R,E,II</sup>	3	GOV 312L (Core) <sup>070</sup>	3	Internship (Opportunity)	
BIO 370 (Major)	3	Upper-division BIO course (Major)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3				
	<b>16</b>	<b>13</b>			<b>0</b>
<b>Fourth Year</b>					
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>	<b>Summer Term</b>	<b>Hours</b>
Upper-division BIO course (Major)	3	Upper-division BIO course (Major)	3	(None)	
Upper-division BIO course (Major)	3	Upper-division BIO Lab course (Major)	3		
Upper-division BIO Lab course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
	<b>15</b>	<b>15</b>			<b>0</b>
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Human Development and Family Sciences

The Bachelor of Science in Human Development and Family Sciences focuses on the study of human development, individuals in a family context, relationships, and well-being within the family and the broader social, economic, community, and governmental environment. Students in the program are expected to develop knowledge and understanding about human development and family dynamics through classroom experiences, observation of children and families, and research. They have opportunities to apply their knowledge through practicum experiences in research and placements in the field. The program is designed to give students excellent preparation for graduate training that leads to careers in academia, research, medicine, and other health

professions, as well as for employment in a field involving work with children, families, and adults.

Students seeking the Bachelor of Science in Human Development and Family Sciences must choose one of the three Options described below. Those who plan to follow Option V must be admitted to the [Dean's Scholars Honors Program](#) (p. ) and those who plan to follow Option VI must be admitted to the [Honors in Advanced Human Development and Family Sciences Program](#) (p. ).

### Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- Core curriculum
- Skills and experience flags:
  - Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - Quantitative reasoning: one flagged course
  - Global cultures: one flagged course
  - Cultural diversity in the United States: one flagged course
  - Ethics: one flagged course
  - Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- Nine semester hours, at least three of which must be upper-division, chosen from courses in economics, social or cultural anthropology, sociology, government, history, linguistics, philosophy, geography and the environment, and psychology; Psychology 304, 333D, and 339 may not be counted toward this degree. Courses used to fulfill this requirement may not also be used to fulfill Core Curriculum requirements.
- At least 36 semester hours of upper-division coursework; at least 21 semester hours must be completed in residence at the University
- Eighteen semester hours in the School of Human Ecology must be completed in residence at the University

### Additional Prescribed Work for Each Option

#### Option: Human Development and Family Sciences Bachelor of Science

6. Statistics and Data Sciences 302F; Mathematics 408C, 408N, 408R or Statistics and Data Sciences 324E

7. Chemistry 301 or 301C; Biology 311C; Biology 311D or Chemistry 302 or 302C; and three additional semester hours of coursework in astronomy, biology, chemistry, computer science, geological sciences, neuroscience, mathematics, physics, or nutrition. Courses designed for non-science majors may not be counted toward this requirement.

8. Human Ecology 101P, 102P, and 103P; Nutrition 306 or Public Health 317; and an additional three semester hours from Nutrition, Public Health, Textiles and Apparel, or Human Development and Family Sciences 322. Students should confer with their advisors about courses appropriate to their career goals

9. Human Development and Family Sciences lower division course requirements (13 credit hours): 304, 313, 113L, 315L, and 305 or 306.

10. Human Development and Family Sciences upper division course requirements: 21 credit hours chosen from HDF upper division offerings (excluding Human Development and Family Sciences 322, 357, 359, 352, 652F, 352L, 652P, 355H and 355R). Three credit hours of upper-division coursework must include a writing-flag course (no more than six-hours of upper-division coursework can include writing flags).

11. Six hours chosen from Human Development and Family Sciences 352, 652F, 352L, 652P, 359, and 355R. Registration for Human Development and Family Sciences 352, 652F, 352L, 652P, 359 and 355R is restricted to students whose applications have been approved. Applications, as well as application deadlines, are available online and through the practicum coordinator.

## Option V: Human Development and Family Sciences Honors

This Option is designed to prepare students who have been admitted to the Dean's Scholars program for academic or research careers.

- f. Breadth requirement: A calculus course and a statistics course, one of which must be a designated honors course; Biology 315H and 325H; Chemistry 301C and 302C; and three additional hours of honors-designated or approved coursework in biology, chemistry, computer science, mathematics, statistics and data sciences, or physics; credit earned by examination may not be counted toward this requirement.
- g. Human Ecology 115H and 225H
- h. Human Development and Family Sciences 304H, 313H, 114H, 315L, 305 or 306 and 18 semester hours chosen from the following: Human Development and Family Sciences 335, 337, 338, 340, 342, 343, 345, 347, 351, 353, 358, 362, 371, 372K, 378L, 378K, and approved social science courses.
- i. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor.
- j. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program.
- k. Human Development and Family Sciences 355H and 379H.
- l. Ten additional semester hours of coursework approved by the departmental honors advisor.
- m. Six hours of coursework from the College of Liberal Arts and/or the College of Fine Arts.
- n. Enough additional coursework to make a total of 120 semester hours.

## Option VI: Honors in Advanced Human Development and Family Sciences

This Option is designed for highly motivated and talented students who are interested in research experience and training.

- f. Statistics and Data Sciences 302F; Mathematics 408C, 408N, 408R, or Statistics and Data Sciences 324E.
- g. Chemistry 301 or 301C; Biology 311C; and Biology 311D or Chemistry 302 or 302C.
- h. Three additional semester hours of coursework in astronomy, biology, chemistry, computer science, geological sciences, mathematics, nutrition (other than Nutrition 306), or physics. Courses designed for nonscience majors may not be counted toward this requirement; students should consult the School of Human Ecology for a list of courses that may be counted.

- i. Human Development and Family Sciences 304H, 313H, 114H, 315L, 305 or 306; 18 semester hours chosen from: Human Development and Family Sciences 335, 337, 338, 340, 342, 343, 345, 347, 351, 353, 358, 362, 371, 372K, 378L, 378K, and approved social science courses.
- j. Human Development and Family Sciences 355H and 379H.
- k. Twenty-one semester hours of additional upper-division coursework approved by the departmental honors advisor.
- l. Enough additional coursework to make a total of 120 semester hours.

## Special Requirements

Students in all Options must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate under Option V, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and present their research in an approved public forum, such as the college's annual [Undergraduate Research Forum](#). More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/>.

To graduate under Option VI, students must remain in good standing with an overall in-residence grade point average of at least 3.30 and an overall grade point average of 3.50 in all human development and family sciences courses. In addition, student research conducted in Human Development and Family Sciences 355H and 379H must be presented in an approved public forum, such as the college's annual Undergraduate Research Forum. Students who fail to maintain the required grade point average may be subject to dismissal from the program. Under special circumstances and at the discretion of the human development and family sciences honors advisor, a student may be allowed to continue under academic review.

## Suggested Arrangement of Courses, Human Development and Family Sciences (BSHDFS)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
HDF 304 (Core, Major) <sup>080</sup>	3	HDF 313 & HDF 113L (Major)	4	Study Abroad (Opportunity)	
SDS 302F (Major) <sup>020,E,QR</sup>	3	BIO 311C (Core, Major) <sup>030</sup>	3	Internship (Opportunity)	
CH 301 or 301C (Core, Major)	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
ECO, SOC, PSY, ANT, GOV, GRG, HIS, LIN, or PHL course (Major)	3	U.S. History (Core) <sup>060</sup>	3		
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	HE 101P (Major)	1		
	15		14		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 311D, CH 302, or CH 302C (Core, Major) <sup>030,QR</sup>	3	HDF 315L (Major) <sup>QR</sup>	3	Study Abroad (Opportunity)	
HDF 305 or 306 (Major)	3	Science course (Major)	3	Internship (Opportunity)	

ECO, SOC, PSY, ANT, GOV, GRG, HIS, LIN, or PHL course (Major)	3 H E 102P (Major)	1			
NTR 306 or PBH 317 (Core, Major) <sup>093</sup>	3 Upper-division GOV, GRG, HIS, LIN, or PHL course (Major)	3			
RHE 306 (Core) <sup>010</sup>	3 U.S. History (Core) <sup>060</sup>	3			
	Free elective (Elective)	3			
	<b>15</b>	<b>16</b>			<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
HDF 355R (Major) <sup>II</sup>	3	HDF 355R (Major) <sup>II</sup>	3	Study Abroad (Opportunity)	3
M 408C, 408N, 408R, or SDS 324E (Major)	4	Free elective (Elective)	3	Internship (Opportunity)	3
Upper-division HDF course (Major)	3	Upper-division HDF course (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	Upper-division NTR, PBH, TXA, or HDF 322 (Major)	3		
Free elective (Elective)	3	GOV 312L (Core) <sup>070</sup>	3		
	<b>16</b>	<b>15</b>			<b>0</b>

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division HDF course (Major)	3	Upper-division HDF course (Major)	3	(None)	
Upper-division HDF course (Major)	3	Upper-division HDF course (Major)	3		
H E 103P (Major)	1	Upper-division HDF course (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Free electives (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3				
	<b>16</b>	<b>15</b>			<b>0</b>

Total credit hours: 122

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

**Core Component Areas:** <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

**Skills and Experience Flags:** <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Mathematics

As an alternative to the Bachelor of Science and Arts and the Bachelor of Arts degrees, the Bachelor of Science in Mathematics is designed with a twofold purpose: to offer students a more extensive scientific program

that may better prepare them for graduate study or employment, and to recognize students who choose to pursue a more demanding program. Students are given the opportunity to develop greater breadth and depth in their mathematical programs as well as to combine mathematics with a concentration in another scientific discipline.

Students seeking the Bachelor of Science in Mathematics select one of the following Options: Actuarial Science, Mathematics for Secondary Teaching, Mathematics Honors, or Mathematics. Students who plan to follow Option VI, mathematics Honors, must be admitted to the [Dean's Scholars Honors Program](#) (p. ).

## Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - i. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - ii. Quantitative reasoning: one flagged course
  - iii. Global cultures: one flagged course
  - iv. Cultural diversity in the United States: one flagged course
  - v. Ethics: one flagged course
  - vi. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global culture flags from the same course. Students are encouraged to discuss options with their academic advisors.

- c. Forty-two semester hours of upper-division coursework. At least 21 semester hours of upper-division coursework must be completed in residence at the University.
- d. Eighteen semester hours in mathematics must be completed in residence at the University.

## Additional Prescribed Work for Each Option

### Option I: Actuarial Science

5. Eight semester hours of majors-level coursework in one of the following areas: astronomy, biology, chemistry, geological sciences, and physics.
6. Complete one of the following:
  - i. Mathematics 408C\* and 408D
  - ii. Mathematics 408N and 408S
  - iii. Mathematics 408K and 408L  
\*Mathematics 408N, and 408S, or 408K and 408L, may substitute for 408C
7. Economics 304K and 304L
8. Accounting 310F or both 311 and 312
9. Finance 357
10. Computer Science 303E

11. Upper-division mathematics courses, including:
  - a. Mathematics 325K or 328K. Mathematics 328K is recommended for students with substantial experience in writing proofs.
  - b. Mathematics 341. Mathematics 340L may be substituted for 341 if the course was completed prior to entry into the mathematics entry-level major.
  - c. Mathematics 362K, and either 358K or 378K
  - d. Mathematics 329F, 339D, 339J, and 339U
  - e. Two courses from the following: Mathematics 339V, M 339W, 349P
  - f. One additional course chosen from the following: Mathematics 339C, 339V, M 339W, 349P, 349R, 378K

One of the courses fulfilling requirement 11a through 11f must be taught in the inquiry based learning (IBL) format or with an independent inquiry flag. IBL courses are identified each semester through a notation under the unique number in the course schedule and through a list maintained in the mathematics advising office in Robert Lee Moore Hall, room 4.101. Courses with an independent inquiry flag are identified in the Course Schedule.

12. At least six semester hours of upper-division coursework must be outside both mathematics and the fields of study listed in requirement 1. Philosophy courses in logic, computer science courses in discrete mathematics, engineering courses, and actuarial foundation courses may not be used to fulfill this requirement.
13. Enough additional coursework to make a total of 120 semester hours.

## Option V: Teaching

This option is designed to fulfill the course requirements for certification as a middle grades or secondary school mathematics teacher in Texas; the student chooses mathematics certification or mathematics, physical science, and engineering certification. However, completion of the course requirements does not guarantee the student's certification. For information about additional certification requirements, students should consult the UTeach-Natural Sciences academic advisor.

Students are encouraged to become familiar with a variety of mathematical software relevant to middle grades or secondary teaching, such as computer geometry systems, spreadsheets, and statistical software. Whenever possible, the student should take courses and sections of courses that use these types of software.

5. History 329U or Philosophy 329U
6. One of the following sequences:
  - i. Mathematics 408C\* and 408D
  - ii. Mathematics 408N and 408S
  - iii. Mathematics 408K and 408L

\*Mathematics 408N and 408S, or 408K and 408L, may substitute for 408C

7. Mathematics 315C
8. Biology 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*) or Physics 341 (Topic 7: *Research Methods: UTeach*)
9. The requirements of one of the following certification areas:

- a. For mathematics certification:
  - i. Mathematics 340L or 341
  - ii. Mathematics 325K or 328K, 333L, 358K, and 362K. Mathematics 328K is recommended for students with substantial experience in writing proofs.
  - iii. Mathematics 375D
  - iv. Mathematics 361K or 365C
  - v. Mathematics 343K or 373K
  - vi. Mathematics 427J.
  - vii. Two courses chosen from: Mathematics 328K, 339J, 339U, 343K, 343L, 348, 361, 365C, 365D, 368K, 373K, 373L, 378K. A course used to fulfill requirements 9ai through 9avi may not also be counted toward requirement 9avii
  - viii. A three-semester-hour supporting course that uses mathematics but is in a field other than mathematics. The following courses may be used to fulfill this requirement: Accounting 310F or 311, Architectural Engineering 323K, Astronomy 307, 352K, 352L, 358, 367M, Chemistry 301 or CH 301H, 303, Civil Engineering 321, 341, Computer Science 303E, 313E, Economics 420K, Electrical and Computer Engineering 302, 366, 366L, Geological Sciences 346C, 354, 476K, GRG 360L, Government 341M, Human Development and Family Sciences 322, Mechanical Engineering 320, 326, 366L, 366Q, 366R, Petroleum and Geosystems Engineering 311, Physics 301, 303K, 303L, Psychology 325K, 332
- b. For mathematics, physical science, and engineering certification:
  - i. Mathematics 325K or 328K, 427J, 333L, 341, 358K, and 362K. Mathematics 328K is recommended for students with substantial experience in writing proofs
  - ii. Mathematics 361K or 365C
  - iii. Mathematics 375D
  - iv. Physics 301, 101L, 316, 116L, 315, and 115L
  - v. Chemistry 301 or CH 301H, 302 or CH 302H, and 204
  - vi. Engineering Studies 301; and Mechanical Engineering 377K upon approval of the projects by the UTeach Program.

10. Eighteen semester hours of professional development coursework consisting of:
  - a. Curriculum and Instruction 651S (Topic 3: Secondary School Teaching Practicum: Math)
  - b. Curriculum and Instruction 365C or UTeach-Natural Sciences 350
  - c. Curriculum and Instruction 365D or UTeach-Natural Sciences 355
  - d. Curriculum and Instruction 365E or UTeach-Natural Sciences 360
  - e. UTeach-Natural Sciences 101, 110, and 170
11. Students seeking middle grades certification must complete the following courses: Educational Psychology 350G, or Psychology 301 and 304; and Curriculum and Instruction 339E. Students seeking mathematics, physical science, and engineering certification may not seek middle grade certification.
12. Enough additional coursework to make a total of at least 120 semester hours

## Option VI: Mathematics Honors

5. Breadth requirement: An honors mathematics course; one of the following two-semester sequences: Biology 315H and 325H, CH 301H and CH 302H, or Physics 301, 101L, 316, and 116L; and nine additional semester hours chosen from the preceding courses, Physics 315 and 115L. Credit earned by examination may not be counted toward this requirement
6. An honors section of Mathematics 427J, and six semester hours of coursework chosen from Mathematics 365C, 367K, and 373K

7. Twenty additional semester hours of upper-division coursework in mathematics approved by the departmental faculty advisor
8. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
9. A section of Rhetoric and Writing 309S that is restricted to students in the Dean Scholars Honors Program
10. Mathematics 379H
11. Thirty additional semester hours of coursework approved by the departmental honors advisor
12. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
13. Enough additional coursework to make a total of 120 semester hours.

## Option VII: Mathematics

5. Eight semester hours of majors-level coursework in one of the following areas: astronomy, biology, chemistry, geological sciences, and physics
6. Computer Science 303E
7. One of the following sequences:
  - i. Mathematics 408C\* and 408D
  - ii. Mathematics 408N and 408S
  - iii. Mathematics 408K and 408L

\*Mathematics 408N and 408S, or 408K and 408L, may substitute for 408C
8. Three of the following: Mathematics 408M or 427L, 427J, 341, 362K. Mathematics 340L may be substituted for 341 if the course was taken prior to entry into the mathematics entry-level major
9. Mathematics 325K or 328K. Mathematics 328K is recommended for students with substantial experience in writing proofs
10. One of the following: Mathematics 343K, 361K, 365C, 367K, 373K.
11. Complete 33 hours of upper-division mathematics, from requirements 8, 9, 10, and the following: Mathematics 325K, 427J or 427K, 427L, 328K, 329F, 333L, 339C, 339D, 339J, 339U, 339V, M 339W, 340L or 341, 343K, 343L, 344K, 346, 348, 349P, 349R, 358K, 361, 361K, 362K, 362M, 365C, 365D, 365G, 367K, 367L, 368K, 371E, 372K, 373K, 373L, 374G, 374M, 375D, 375T, 378K, and 379H. Mathematics 374M may not count toward both requirement 11 and 13.
12. One upper-division mathematics course identified as taught in the inquiry based learning (IBL) format or with an independent inquiry flag. IBL courses are identified each semester through a notation under the unique number in the Course Schedule and through a list maintained in the mathematics advising office in Robert Lee Moore Hall, room 4.101. Courses with an independent inquiry flag are identified in the Course Schedule. Courses counted toward requirements 8, 9, 10, and 11 may also count toward this requirement.
13. Mathematics in context. One course chosen from:
  - a. Mathematics 374M
  - b. Chemistry 353, 354
  - c. Computer Science 341, 342, 345, 346, 353, 367
  - d. Electrical and Computer Engineering 411, 325, 360C, 362K
  - e. Physics 329, 336K, 352K

Courses in requirements 13b through 13e may require additional prerequisites. Mathematics 374M may not count toward both requirement 11 and 13.

14. At least six semester hours of upper-division coursework must be outside both mathematics and the fields of study listed in requirement 5. Philosophy courses in logic, computer science courses in discrete mathematics, engineering, and actuarial foundation courses may not be used to fulfill this requirement.

15. Enough additional coursework to make a total of 120 semester hours

## Special Requirements

Students in all Options must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate and be recommended for certification, students who follow the Teaching Option must have a University grade point average of at least 2.50. They must earn a grade of at least C- in the supporting course in requirement 5 and 8 and in each of the professional development courses listed in requirement 10 and must pass the final teaching portfolio review; those seeking middle grades certification must also earn a grade of at least C- in each of the courses listed in requirement 11. For information about the portfolio review and additional teacher certification requirements, students should consult the UTeach-Natural Sciences academic advisor.

To graduate under Option VI, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and must present their research in an approved public forum, such as the college's annual [Undergraduate Research Forum](#).

## Suggested Arrangement of Courses, Mathematics (BSMath)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408N or 408C (Core, Major) <sup>020, QR</sup>		4 M 408S or 408D (Major) <sup>QR</sup>		4 Study Abroad (Opportunity)	
Natural Science and Technology, Part I (Core, Major) <sup>030</sup>		4 Natural Science and Technology, Part I (Core, Major) <sup>030</sup>		4 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 Social and Behavioral Sciences (Core) <sup>080</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 Free elective (Elective)		3	
		Free elective (Elective)		3	
			<b>14</b>	<b>17</b>	<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427L, 427J, 341, or 362K (Major) <sup>QR</sup>		4 M 427L, 427J, 341, or 362K (Major) <sup>QR</sup>		4 Study Abroad (Opportunity)	
M 325K or 328K (Major) <sup>II</sup>		3 M 427J, 427L, 341, or 362K (Major) <sup>QR</sup>		4 Internship (Opportunity)	
C S 303E (Core, Major) <sup>093, QR</sup>		3 GOV 310L (Core) <sup>070</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Free elective (Elective)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
			<b>16</b>	<b>17</b>	<b>0</b>

### Third Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Math course (Major)	3	Upper-division Math course (Major)	3	Study Abroad (Opportunity)	3
Upper-division Math course (Major)	3	Upper-division Math course (Major)	3	Internship (Opportunity)	3
GOV 312L (Core) <sup>070</sup>	3	U.S. History (Core) <sup>060</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Free elective (Elective)	3	Free elective (Elective)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division Math course (Major)	3	Upper-division Math course (Major)	3	(None)	3
Upper-division Math course (Major)	3	Math-In-Context course (Major)	3		
U.S. History (Core) <sup>060</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
Free elective (Elective)	3	Free elective (Elective)	3		
Upper-division Elective course (Elective)	3	Upper-division Elective course (Elective) Maymester (Opportunity)	3		
<b>15</b>		<b>15</b>		<b>0</b>	

Total credit hours: 124

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Medical Laboratory Science

The student preparing for a career in medical laboratory science completes a minimum of 120 semester hours of academic work.

Students complete 96 semester hours toward the Bachelor of Science in Medical Laboratory Science (BSMedLabSci) degree before advancing to the clinical education practicum requirement in the final year. In the final year, the student advances to the clinical education practicum requirement, in which they enter a National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) accredited Medical Laboratory Science (MLS) program for an additional 12 to 16 months of clinical education. After successful completion of the clinical education practicum requirement, the student is awarded the Bachelor of Science in Medical Laboratory Science from the university and is eligible to take

the national certification examination administered by the American Society for Clinical Pathology (ASCP) Board of Certification (BOC). Successful completion of this exam results in national certification as a Medical Laboratory Scientist.

The purpose of this degree program is to meet the increasing demand for laboratory professionals in hospital and clinic laboratories, research, industry, public health, education, and laboratory management. Medical laboratory science is also an excellent foundation for graduate study in medicine, dentistry, management, education, and other disciplines.

All students must complete a sequence of core curriculum; general education; major requirements, which include clinical education practicum requirements; and special requirements, which include electives.

### Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). A single course may not be counted toward more than one core area, but in some cases a course that is required for the major may also be counted toward the core curriculum.

### Skills and Experience Flags

In the process of fulfilling degree requirements, all students must complete courses that carry [skills and experience flags](#) (p. ) in the following areas:

1. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
2. Quantitative reasoning: one flagged course
3. Global cultures: one flagged course
4. Cultural diversity in the United States: one flagged course
5. Ethics: one flagged course
6. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

### Foreign Language

One of the following foreign language/culture choices:

1. Beginning level proficiency coursework, or the equivalent, in a foreign language.
2. First course in a foreign language and a three-semester-hour course in the culture of the same language area.
3. Two three-semester-hour courses in one foreign culture area; the courses must be chosen from an approved list available in the dean's office and the college advising centers.

### Major Requirements

1. Mathematics 408R and Statistics and Data Sciences 320E
2. Either Biology 311C, 311D, and 325, or Biology 315H and 325H
3. Biology 226L, 326M, 330 or 446L, 344 or 366R, 360K, 260L, 361, 361L, and 365S
4. Chemistry 301 or 301C, 302 or 302C, 204, 320M, 320N + 220C or 455, and Biochemistry 369

5. Computer Science 303E, Management Information Systems 302F

6. Completion of the clinical education practicum, which requires a minimum of 24 semester hours of clinical education coursework selected from the following:\*

- NSC 155M, NSC 255M, NSC 355M, NSC 455M, NSC 555M, NSC 655M, NSC 755M, NSC 855M, NSC 955M (any topic)
- NSC 156M, NSC 256M, NSC 356M, NSC 456M, NSC 556M, NSC 656M, NSC 756M, NSC 856M, NSC 956M

\*Students must consult with their advisor before enrolling in clinical education coursework requirements

## Clinical Education Practicum Requirement

To advance to the clinical education practicum, medical laboratory science (MLS), students must: 1) complete a minimum of 96 semester hours of coursework, 2) have approval to advance to the clinical education practicum by the university program director, and 3) apply to and be accepted into a MLS clinical education program, which requires 12 to 16 months of clinical education in a program of medical laboratory science (or clinical laboratory science) accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

During the clinical education practicum, MLS clinical education program director works closely with each student to ensure their success in the program. The MLS clinical education program director verifies completion of coursework and grades upon completion of the MLS clinical education program.

MLS clinical education coursework must be approved by the university faculty advisor for medical laboratory science and the college dean to be counted toward the degree. Coursework completed in the MLS clinical education program may be used to fulfill clinical education practicum requirements only and applies solely to the Bachelor of Science in Medical Laboratory Science degree.

Students completing the MLS clinical education program offered by an affiliated university register for and complete clinical education coursework at the affiliated university. During the practicum, students remain enrolled at UT Austin, which remains the home institution. Upon completion of the practicum, students [submit their transcript from the affiliated university to UT Austin](#) to transfer completed MLS clinical education coursework to count toward the Bachelor of Science in Medical Laboratory Science degree.

Students completing the MLS clinical education program offered by a program that is not university-based, such as a hospital or medical laboratory, enroll in clinical education coursework at UT Austin and complete coursework off-campus at their specific MLS clinical education program's location under the supervision of university faculty.

## Special Requirements

The student must take elective coursework, if necessary, to complete a minimum of 96 semester hours of academic work required for advancement to the clinical education practicum requirement for the Bachelor of Science in Medical Laboratory Science.

Students must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. Students must also earn a grade of at least C- or receive a passing grade for each pass/fail course taken in the 12 to 16-month clinical education program of medical laboratory science (or clinical laboratory science) accredited by the National Accrediting

Agency for Clinical Laboratory Sciences (NAACLS). More information about grades and the grade point average is given in the [General Information Catalog](#).

## Order and Choice of Work

The student should consult with their academic and faculty advisors each semester regarding order and choice of work and balancing the laboratory load. To complete the program within four years, it may be necessary for the student to take some courses during the summer.

## Suggested Arrangement of Courses, Medical Laboratory Science (BSMedLabSci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408R (Core/Major) <sup>020,QR</sup>	4	CH 302C (Core/Major) <sup>030</sup>	3	GOV 310L (Core) <sup>070</sup>	3
CH 301C (Core/Major) <sup>030</sup>	3	BIO 311D (Major)	3	U.S. History (Core) <sup>060</sup>	3
BIO 311C (Core, Major) <sup>093</sup>	3	CH 204 (Major)	2	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	RHE 306 (Core) <sup>010</sup>	3	Internship (Opportunity)	
		Social and Behavioral Sciences (Core) <sup>080</sup>	3		
			<b>13</b>	<b>14</b>	<b>6</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 320M (Major)	3	CH 320N or 455 (Major)	3	GOV 312L (Core) <sup>070</sup>	3
BIO 325 (Major)	3	CH 220C (Major)	2	Study Abroad (Opportunity)	
SDS 320E (Major) <sup>QR, E,II</sup>	3	BIO 326M (Major)	3	Internship (Opportunity)	
MIS 302F (Major)	3	BIO 226L (Major)	2	U.S. History (Core) <sup>060</sup>	3
Foreign Language (General Education)	3	Foreign Language (General Education)	3		
			<b>15</b>	<b>13</b>	<b>6</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 360K (Major)	3	BIO 330 or 446L (Major)	3	(None)	
BIO 260L (Major)	2	BIO 344 (Major)	3		
BIO 361 (Major)	3	BIO 361L (Major) <sup>Wr</sup>	3		
BCH 369 (Major)	3	BIO 365S (Major)	3		
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
			<b>14</b>	<b>15</b>	<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
9 hours of clinical education coursework selected from the following: NSC 155M, 255M, 355M, 455M, 555M, 655M, 755M, 855M, 955M (any topic); NSC 156M, 256M, 356M, 456M, 565M, 656M, 756M, 856M, 956M (Major)	9	9 hours of clinical education coursework selected from the following: NSC 155M, 255M, 355M, 455M, 555M, 655M, 755M, 855M, 955M (any topic); NSC 156M, 256M, 356M, 456M, 565M, 656M, 756M, 856M, 956M (Major)	9	6 hours of clinical education coursework selected from the following: NSC 155M, 255M, 355M, 455M, 555M, 655M, 755M, 855M, 955M (any topic); NSC 156M, 256M, 356M, 456M, 565M, 656M, 756M, 856M, 956M (Major)	6
			<b>9</b>	<b>9</b>	<b>6</b>
<b>Total credit hours: 120</b>					

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Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>WR</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Neuroscience

The Bachelor of Science degree in Neuroscience provides a strong foundation in the core sciences and related mathematical disciplines, along with the opportunity for training in biology, chemistry, computer science, mathematics, physics, or psychology. Distinctive features of the program include an emphasis on developing the quantitative, statistical, mathematical, and computational skills required in neuroscience, and meaningful hands-on laboratory experience.

### Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - b. Quantitative reasoning: one flagged course
  - c. Global cultures: one flagged course
  - d. Cultural diversity in the United States: one flagged course
  - e. Ethics: one flagged course
  - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- c. At least 21 semester hours of upper-division coursework, including 18 semester hours in biology and neuroscience, must be completed in residence at the University. All students must complete at least 36 semester hours of upper-division coursework.

### Additional Prescribed Work for Each Option

#### Option I: Neuroscience Scholars

- d. Mathematics 408C, or 408N or 408R and 408S; Statistics and Data Sciences 320E
- e. An eight hour physics sequence chosen from the following:

- a. Physics 317K, 105M, 317L, and 105N
- b. Physics 303K, 105M, 303L, and 105N
- c. Physics 301, 101L, 316, and 116L
- f. Chemistry 301 or 301C, 302 or 302C, and 204
- g. Biology 311C and 311D, or 315H and 325H, and 206L
- h. Three additional majors-level courses selected from one of the following sequences:
  - a. Biology: Biology 325 or 325H, 320, 344, 350, and 370
  - b. Chemistry: Chemistry 328M and 128K, 328N and 128L, 353 or 353M, and Biochemistry 369
  - c. Computer Science: Computer Science 312, 314, Statistics and Data Sciences 335, 374E
  - d. Mathematics: Mathematics 427J or 427K, 427L, 340L or 341, 362K, 378K, Statistics and Data Sciences 321 or 329C; Mathematics 362K and Statistics and Data Sciences 321 may not both count.
  - e. Physics: Physics 345, 338K, 355
  - f. Psychology: Psychology 301, 323, 353K, 355
- i. Neuroscience 330
- j. Neuroscience 335
- k. Neuroscience 340
- l. Twelve semester hours of laboratory courses chosen from the following: Neuroscience 365L, 366E, 366L, 366N, 366P, 366S, 367W, 377, 466G, and 466M. Neuroscience 377 may only be taken once for credit.
- m. Nine semester hours of upper-division neuroscience to be chosen from: Biology 325, 353S, 359K, 367C, Neuroscience 170C, 270C, 337, 365D, 365N, 365P, 365T, 365V, 365W, 366C, 366D, 367F, 367S, 367V, and 371M; Biology 325 or 325H may count toward either requirement 8a or requirement 12
- n. Three semester hours of Neuroscience 379H, *Honors Tutorial Course*; the research topic in 379H must relate to neuroscience and be approved in advance by the faculty advisor
- o. Enough additional coursework to make a total of 120 semester hours

#### Option II: Neuroscience Honors

- d. Breadth requirement: An honors mathematics course; Biology 315H and 325H; Chemistry 301C and 302C; and an additional three-hour honors-designated course from a department in the College of Natural Sciences; credit earned by examination may not be counted toward this requirement.
- e. Three hours of statistics chosen from the following: Statistics and Data Sciences 321, 325H, or 320E; other statistics courses may be approved by the departmental honors advisor.
- f. Chemistry 204 and Biology 206L
- g. Physics 301, 101L, 316 and 116L
- h. Three additional majors-level courses selected from one of the following sequences:
  - i. Biology: Biology 320, 344, 350, and 370
  - ii. Chemistry: Chemistry 328M and 128K, 328N and 128L 353 or 353M, and Biochemistry 369
  - iii. Physics: Physics 345, 338K, 355
  - iv. Computer Science: Computer Science 312, 314, Statistics and Data Sciences 335, 374E
  - v. Mathematics: Mathematics 427J or 427K, 427L, 340L or 341, 362K, 378K, 321 or 329C; Mathematics 362K and Statistics and Data Sciences 321 may not both count.
- i. Neuroscience 330
- j. Neuroscience 335



# Suggested Arrangement of Courses, Neuroscience (BSNeurosci)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C, 408N, or 408R (Core) <sup>020,QR</sup>	4	M 408S (Major)		4 Study Abroad (Opportunity)	
CH 301 or 301C (Major)	3	CH 302 or 302C (Major)		3 Internship (Opportunity)	
BIO 311C (Course, Major) <sup>093</sup>	3	BIO 311D (Major)		3 GOV 310L (Core) <sup>070</sup>	3
UGS 302 or 303 (Core) <sup>090,Wr</sup>	3	CH 204 (Major)		2	
		RHE 306 (Core) <sup>010</sup>		3	
			<b>13</b>	<b>15</b>	<b>3</b>

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 320M (Elective)	3	CH 320N (Elective)		3 Study Abroad (Opportunity)	
BIO 325 (Major)	3	CH 220C (Elective)		2 Internship (Opportunity)	
BIO 206L (Major)	2	NEU 330 (Major)		3 GOV 312L (Core) <sup>070</sup>	3
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>		3	
Free elective (Elective)	3	Free elective (Elective)		3	
			<b>14</b>	<b>14</b>	<b>3</b>

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 317K & PHY 105M (Major)	4	PHY 317L & PHY 105N (Major)		4 Study Abroad (Opportunity)	
NEU 335 (Major)	3	SDS 320E (Major) <sup>QR, E,II</sup>		3 Internship (Opportunity)	
BCH 369 (Elective)	3	NEU 340 (Major)		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	NEU 379H (Major)		3	
Free elective (Elective)	3				
			<b>16</b>	<b>13</b>	<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Upper-division NEU course (Major)	3	Upper-division NEU course (Major)		3	
Upper-division NEU course (Major)	3	Upper-division NEU lab (Major)		3	
NEU 377 (Major)	3	Upper-division NEU lab (Major)		3	
Upper-division NEU lab (Major)	3	U.S. History (Core) <sup>060</sup>		3	
U.S. History (Core) <sup>060</sup>	3	Free elective (Elective)		3	
			<b>15</b>	<b>15</b>	

Total credit hours: 121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S.

- k. Neuroscience 340
- l. Six hours of laboratory courses chosen from: Neuroscience 365L, 366E, 366L, 366N, 366P, 366S, 367W, 466G, 466M
- m. Six hours of upper-division neuroscience chosen from: Biology 353S, 359K, 367C, Neuroscience 170C, 270C, 337, 365D, 365N, 365P, 365T, 365V, 365W, 366C, 366D, 367F, 367S, 367V, 371M, 377
- n. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
- o. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
- p. Two semesters of Neuroscience 379H
- q. Fifteen additional semester hours of coursework approved by the departmental honors advisor
- r. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
- s. Enough additional coursework to make a total of 120 semester hours

## Option III: Neuroscience

- d. Mathematics 408C, or 408N or 408R and 408S; and Statistics and Data Sciences 320E
- e. An eight-hour physics sequence chosen from the following:
  - i. Physics 317K, 105M, 317L, and 105N
  - ii. Physics 303K, 105M, 303L, and 105N
  - iii. Physics 301, 101L, 316, and 116L
- f. Chemistry 301 or 301C, 302 or 302C, and 204
- g. Biology 311C, 311D, and 325 or 315H and 325H
- h. Biology 206L
- i. Neuroscience 330, 335, and 340
- j. Fifteen hours of upper-division neuroscience chosen from: Biology 353S, 359K, 367C, Neuroscience 170C, 270C, 337, 365D, 365L, 365N, 365P, 365T, 365V, 365W, 366C, 366D, 366E, 366L, 366N, 366P, 366S, 367F, 367S, 367V, 367W, 371M, 377, 379H, 466G, 466M. Neuroscience 377 may be repeated once for credit. The research topic in 379H must relate to neuroscience and be approved in advance by the faculty advisor.
- k. Six additional hours of upper-division laboratory course work chosen from the following: Neuroscience 365L, 366E, 366L, 366N, 366P, 366S, 367W, 466G, 466M. Neuroscience 365L, 366E, 366L, 366N, 366P, 366S, 367W, 466G, and 466M may count toward requirement 10 or requirement 11.
- l. Enough additional coursework to make a total of 120 semester hours

## Special Requirements

Students must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate under Option II, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and must present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/innovative-education/undergraduate-research/undergraduate-research-forum>.

History;<sup>070</sup> American and Texas Government;<sup>080</sup> Social and Behavioral Sciences;<sup>090</sup> First-Year Signature Course;<sup>093</sup> Natural Science and Technology, Part II

*Skills and Experience Flags:* <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#). (p. 11)

## Bachelor of Science in Nutrition

Nutrition is an integrative science with the overall objective of improving the health and well-being of individuals and groups. Nutritional inquiry encompasses not only the roles of electrons, atoms, molecules, genes, cells, organs, and complex organisms in biological life processes but also the links between life science and health, behavior, education, population, culture, and economics. The Bachelor of Science in Nutrition degree program includes five options, including an opportunity to complete an honors thesis within the options, as described below.

For students pursuing careers in dietetics, courses in behavioral and clinical nutrition and food systems management provide the academic preparation required for dietetics practice. The Didactic Program in Dietetics (DPD, Option I) meets the coursework requirements that qualify graduates to apply to a dietetic internship, which leads to the Registered Dietitian credential. Completion of the Didactic Program in Dietetics requirements qualifies a graduate to apply for a dietetic internship or to practice as a Dietetic Technician, Registered (DTR).

The Nutritional Sciences option (Option II) requires courses in science and research in order to prepare students for graduate study or professional school. Graduates may seek employment in private or publicly funded research programs or, upon completion of graduate study, may engage in college or university teaching or nutrition research. This option also allows students to fulfill requirements for postgraduate study in medicine, dentistry, and other health professions.

The Public Health Nutrition option (Option III) is designed to prepare students for positions in public health and nutrition at state and other health departments, in research, and in industry. It will equip them for entry into graduate programs in nutrition or other public health disciplines at schools of public health, at graduate schools in the biomedical sciences, and for entry into medical or other health professional schools as well as for those who pursue health and research careers.

Students who plan to follow Option IV must be admitted to the [Dean's Scholars Honors Program](#) (p. ). In addition to taking a core of research, writing, and seminar courses in the College of Natural Sciences, students in this option consult with the departmental honors advisor to develop a coherent individual program of rigorous and challenging courses from across the University.

In addition to the four Options leading to the Bachelor of Science in Nutrition, students may apply to Option V, the Integrated Coordinated Program in Dietetics (ICPD), which leads to simultaneous completion of the Bachelor of Science in Nutrition and the Master of Science in Nutritional Sciences. The ICPD includes both the coursework and the supervised practice necessary to be eligible to write the examination to become a registered dietitian. The DPD and ICPD are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND) 120 S. Riverside Plaza, Suite 2000, Chicago IL 60606, (800) 877-1600.

Students in the DPD, Nutritional Science, and Public Health Nutrition options are eligible to apply for the Honors in Advanced Nutritional

Sciences (HANS). This program is designed for students with a commitment to research that is focused on the intersection between nutrition and health processes. From their first semester to their last, HANS students meet regularly in small groups with some of the university's most gifted teachers and researchers. In the upper division courses, HANS students develop research projects in their field of study and write a substantial thesis on a related topic under the supervision of a nutrition faculty mentor.

## Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - i. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - ii. Quantitative reasoning: one flagged course
  - iii. Global cultures: one flagged course
  - iv. Cultural diversity in the United States: one flagged course
  - v. Ethics: one flagged course
  - vi. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

3. Foundation Nutrition Courses
  - i. Basic Nutrition: Nutrition 312
  - ii. Biochemistry: Nutrition 126L, 326, 342, 343
  - iii. Food Science: Nutrition 307 and 107L
  - iv. Nutrition Application: Nutrition 218 and 118L
  - v. Critical Thinking: Nutrition 337 and 338W  
*Students must complete each course with a grade of at least C-*
4. Foundation Science Courses
  - i. Biology: Biology 311C, 311D, and 325 OR 315H and 325H; and 365S
  - ii. Chemistry: Chemistry 301, 302, 204, and 320M
  - iii. Biochemistry: Biochemistry 369
  - iv. Statistics: Statistics and Data Sciences 302F or 320E

5. At least 36 semester hours of upper-division coursework, of which at least 24 must be in nutrition. At least 21 semester hours of upper-division coursework, including 18 semester hours in nutrition, must be completed in residence at the University.

## Additional Prescribed Work for Each Option

### Option I: Didactic Program in Dietetics (DPD)

Students who complete the DPD with at least four upper-division nutrition courses completed in residence will receive a verification statement that qualifies them to apply for an accredited supervised practice program. DPD graduates who complete an accredited supervised practice program and a master's degree (as of January 1, 2024) may become active members of the Academy of Nutrition

and Dietetics and are eligible to write the examination to become a Registered Dietitian Nutritionist.

6. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H and 113L
7. Statistics and Data Sciences 324E
8. Management: Management 320F, *Foundations of Management and Organizational Behavior*
9. Option-specific nutrition coursework:
  - i. Behavioral and clinical nutrition: Nutrition 315, 330, 332, 370, and 371
  - ii. Food systems management: Nutrition 334 and 234L
  - iii. Research: Six hours of the following: Nutrition 365 (Topic 5: Principles and Applications in Community Engagement) and 365L; OR Nutrition 324 and three hours chosen from Nutrition 353, 355, 355H, 379H, or Nutrition 365, *Selected Topics in Nutritional Sciences*
  - iv. Professional development: Nutrition 162
10. DPD Honors: Students pursuing the honors thesis (HANS) must take six hours of Nutrition 355H and six hours of Nutrition 379H.
11. Enough additional coursework to make a total of 120 semester hours (ICPD) or 126 semester hours (DPD)

## Option II: Nutritional Sciences

- f. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H, and 113L
- g. Statistics and Data Sciences 324E
- h. Biology 446L
- i. Option-specific nutrition coursework:
  - i. Molecular nutrition: Nutrition 366L and Nutrition 365 (Topics in Nutritional Sciences); (Nutrition 365 (Topic 5: Principles and Applications in Community Engagement)/365L cannot be counted toward this requirement); the same topic of Nutrition 365 may not be counted twice.
  - ii. Additional nutrition coursework: nine hours selected from the following: Nutrition 315, 321, 330, 331, 332, 370, 371.
  - iii. Research: Three semester hours of coursework chosen from Nutrition 355 or 355H, 379H, Biology 325L, 331L, 326M, and Biochemistry 369L
  - iv. Students pursuing the honors thesis (HANS) must take six hours of Nutrition 355H and six hours of Nutrition 379H.
- j. Enough additional coursework to make a total of 120 semester hours

## Option III: Public Health Nutrition

6. Three semester hours chosen Sociology 308S, 319, and 354K
7. Three semester hours of Statistics and Data Sciences 324E
8. At least six semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L and Human Development and Family Sciences 313 or 313H, and 113L
9. Three semester hours chosen from Geography 339K, 344K, Sociology 324K or 354K, Anthropology 301, Nursing 309, Human Development and Family Sciences 304, Psychology 304, 308, or Government 370L.
10. Public Health 317
11. Option-specific nutrition coursework:
  - i. Nutrition 315, 321, 331 and 332,
  - ii. Twelve semester hours chosen from Nutrition 316, 352, 353, 355, 355H, 365 (Topics in Nutritional Sciences), or Nutrition 379H. The same topic of Nutrition 365 may not be counted twice.

12. Students pursuing the honors thesis (HANS) must take six hours of Nutrition 355H and six hours of Nutrition 379H.
13. Enough additional coursework to make a total of 120 semester hours

## Option IV: Nutrition Honors: Dean's Scholars Honors Program

6. Breadth requirement: A calculus course and a statistics course, one of which must be a designated honors course; Biology 315H and 325H; Chemistry 301C and 302C; and three additional hours of honors-designated or approved coursework in biology, chemistry, computer science, mathematics, statistics and data sciences, or physics; credit earned by examination may not be counted toward this requirement.
7. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H and 113L
8. Chemistry 320N
9. Biology 446L
10. Nutrition 366L and Nutrition 365, *Selected Topics in Nutritional Sciences*
11. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
12. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
13. Six hours of Nutrition 355H and six hours of Nutrition 379H
14. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
15. Enough additional coursework to make a total of 120 semester hours

## Option V: Integrated Coordinated Program in Dietetics (ICPD)

Students interested in the Integrated Coordinated Program in Dietetics must apply for admission after completing 60 semester hours of prerequisite coursework. Applicants to the ICPD must meet the requirements for admission to the Graduate School. Upon completing the ICPD, which includes approximately 1,200 hours of supervised practice and required graduate level course work, graduates will attain both a Bachelor of Science in Nutrition and a Master of Science in Nutritional Sciences and are eligible to write the examination to become a Registered Dietitian.

Students who are admitted to the ICPD should consult the faculty advisor each semester regarding order and choice of work. During the fourth year, the following courses must be taken in the indicated term: fall semester: Nutrition 245C; spring semester: Nutrition 345M, 372C, 372F, 373S; summer session: Nutrition 374C and 374P. Because these courses are taught only once a year, a student who does not take them at the indicated time may be unable to complete the program.

- f. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H and 113L
- g. Nutrition 380K (Topic 3: Experimental Design and Statistics)
- h. Management: Management 320F, *Foundations of Management and Organizational Behavior*
- i. Option-specific nutrition coursework:
  - i. Nutrition Biochemistry: Nutrition 390 (Topic 1: Advances in Nutritional Sciences I) and Nutrition 390 (Topic 7: Advances in Nutritional Sciences II), which will replace Nutrition 342 and Nutrition 343 and be reserved for graduate credit.

- ii. Behavioral and clinical nutrition: Nutrition 315, 330, 332, 370 and 371.
- iii. Food systems management: Nutrition 334 and Nutrition 234L
- iv. Research: Nutrition 373S
- v. Professional development: Nutrition 245C
- j. An additional 15 semester hours of supervised practice: Nutrition 345M, 372C, 372F, 374C, and 374P.
- k. Enough additional coursework to make a total of 120 semester hours.

NTR 342 (Major)	3	NTR 343 (Major)	3	Internship (Opportunity)	0
BCH 369 (Major)	3	NTR 366L (Major)	3		
NTR 334 & NTR 234L (Major)	5	BIO 365S (Major)	3		
GOV 310L (Core) <sup>070</sup>	3	GOV 312L (Core) <sup>070</sup>	3		
<b>17</b>		<b>15</b>		<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
NTR Research: 3 hours from list (Major)		3 NTR 365 (Major)		3 (None)	
NTR: 3 additional hours from 9b list (Major)		3 NTR: 3 additional hours from 9b list (Major)		3	
NTR: 3 additional hours from 9b list (Major)		3 US History (Core) <sup>060</sup>			
BIO 446L (Major)		4 Free elective (Elective)		3	
U.S. History (Core)		3 Free elective (Elective)		3	
<b>16</b>		<b>12</b>		<b>0</b>	

Total credit hours: 122

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Physics

All aspects of the physical universe are of interest to the physicist, who seeks to understand not only the smallest forms of matter and the rich phenomena present in our everyday lives but also the universe itself. Physics has played a critical role in human technological and intellectual development during the twentieth century. The tools of the physicist—observation, imagination, model building, prediction, and deduction—will enable physics to continue this influence into the new century. The Bachelor of Science in Physics degree program is designed to provide the skills, understanding, and outlook required for participation in the discovery of new knowledge about nature.

The Bachelor of Science in Physics program is balanced and broad. It is designed to give the student a strong foundation for graduate study or work in physics and, with additional training, for work in a variety of other areas, such as astronomy, astrophysics, biophysics, chemical physics, computer science, engineering, geophysics, mathematics, medicine, physics teaching, and space sciences. Students who end their formal training with the bachelor's degree may seek employment in industry, in national laboratories, or in teaching; they should consider the options in computation, radiation physics, space sciences, biophysics, and

## Special Requirements

Students in all options must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate with departmental honors (HANS), students must remain in good standing with an overall grade point average of at least 3.30 and an overall grade point average of 3.50 in all nutritional sciences courses. In addition, student research must be presented in an approved public forum, such as the college's annual [Undergraduate Research Forum](#). Students who fail to maintain the required grade point average may be subject to dismissal from the HANS program. Under special circumstances and at the discretion of the nutritional sciences honors advisor, a student may be allowed to continue under academic review.

## Suggested Arrangement of Courses, Nutrition (BSNtr)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
CH 301C (Core/Major) <sup>030,QR</sup>	3	NTR 312 (Major)	3	Study Abroad (Opportunity)	
BIO 311C (Core, Major) <sup>093</sup>	3	NTR 126L (Major)	1	Internship (Opportunity)	
SDS 302F (Core/Major) <sup>020,QR</sup>	3	CH 302C (Core/Major) <sup>030,QR</sup>	3		
RHE 306 (Core) <sup>010</sup>	3	CH 204 (Major)	2		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	BIO 311D (Core, Major) <sup>030</sup>	3		
		Visual and Performing Arts (Core) <sup>050</sup>	3		
<b>15</b>		<b>15</b>		<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
NTR 307 & NTR 107L (Major)	4	NTR 326 (Major)	3	Study Abroad (Opportunity)	
NTR 218 & NTR 118L (Major)	3	SDS 324E (Major)	3	Internship (Opportunity)	
CH 320M (Major)	3	NTR 315 (Major)	3		
BIO 325 (Major)	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
Social and Behavioral Science (Core) <sup>080</sup>	3	NTR 162 (Major)	1		
		MAN 320F (Major)	3		
<b>16</b>		<b>16</b>		<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
NTR 337 (Major)	3	NTR 338W (Major)	3	Study Abroad (Opportunity)	

teaching, which augment the broad instruction provided by the basic Bachelor of Science in Physics. For those who plan to teach physics in secondary school, the teaching option provides the courses needed for certification.

Students who plan to follow Option VI, Physics Honors, must be admitted to the [Dean's Scholars Honors Program](#) (p.      ).

## Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - b. Quantitative reasoning: one flagged course
  - c. Global cultures: one flagged course
  - d. Cultural diversity in the United States: one flagged course
  - e. Ethics: one flagged course
  - f. Independent inquiry: one flagged course

Courses with flags are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified.

- c. Options I–IV and VII: one of the following foreign language/culture choices: (Students in Options V and VI are exempt from this requirement)
  - a. Beginning level proficiency coursework, or the equivalent, in a foreign language
  - b. First course in a foreign language and a three-semester-hour course in the culture of the same language area
  - c. Two three-semester-hour courses in one foreign culture area; the courses must be chosen from an approved list available in the dean's office and the college advising centers
- d. Thirty-six semester hours of upper-division coursework
- e. At least 21 semester hours of upper-division coursework, including at least 12 semester hours of upper-division coursework in physics, must be completed in residence at the University

## Additional Prescribed Work for Each Option

### Option I: Physics

This option is designed to give the student a strong foundation for graduate study or work in physics and for further study or work in a variety of other areas.

- f. Chemistry 301 or CH 301H, and 302 or CH 302H
- g. Six semester hours in biology, geological sciences, or astronomy; a course may not be used to fulfill this requirement if it cannot be counted toward major requirements in the department that offers it
- h. Physics 301, 101L, 316, 116L, 315, and 115L
- i. Mathematics 408C and 408D or the equivalent, 427J or 427K and 427L, and six additional semester hours of upper-division coursework in mathematics; the following courses are recommended: Mathematics 340L, 361, and 362K; only courses at the level of calculus and above may be counted toward the total number of hours required for the degree
- j. Physics 336K, 352K, 353L, 355, 362K, 369, 373, and 474, or their equivalents

k. One of the following: Physics 352L 362L, 375R, or 375S.

l. Enough additional coursework to make a total of 126 semester hours

### Option II: Computation

This Option is designed to provide the necessary foundation and hands-on skill in computation for the student who plans a career or further study in computational physics or computer science. Students who complete this option may simultaneously fulfill some of the requirements of the [Scientific Computation and Data Sciences Certificate](#) (p.      ).

- f. Chemistry 301 or CH 301H, and 302 or CH 302H
- g. Six semester hours in biology, geological sciences, or astronomy; a course may not be used to fulfill this requirement if it cannot be counted toward major requirements in the department that offers it
- h. Physics 301, 101L, 316, 116L, 315, and 115L
- i. Mathematics 408C and 408D or the equivalent, 427J or 427K and 427L, and six additional semester hours of upper-division coursework in mathematics or statistics and data sciences; Statistics and Data Sciences 329C and Mathematics 362K are recommended; only courses at the level of calculus and above may be counted toward the total number of hours required for the degree
- j. Physics 329, 336K, 338K, 352K, 353L, 355, 369, and 373, or their equivalents
- k. One of the following scientific computation options:
  - a. Computer Science 303E; Computer Science 313E or Statistics and Data Sciences 322; and two courses from two of the areas listed below:
    - i. Numerical methods: Chemical Engineering 348, Computer Science 323E, 323H, 367, Mathematics 348, Statistics and Data Sciences 335
    - ii. Statistical methods: Biomedical Engineering 335, Mathematics 358K, 378K
    - iii. Other computing topics: Computer Science 324E, 327E, 329E, 377, Mathematics 346, 362M, 368K, 372K, 376C, Mechanical Engineering 367S, 374C, 374E
  - b. Twelve semester hours chosen from Electrical and Computer Engineering 306, 312, 316, 319K, and 422C
- l. Enough additional coursework to make a total of 126 semester hours

### Option III: Radiation Physics

This Option is designed to provide the necessary foundation for the student who plans a career or further study in nuclear engineering, radiation engineering, or health physics.

- f. Chemistry 301 or CH 301H, and 302 or CH 302H
- g. Six semester hours in biology, geological sciences, or astronomy; a course may not be used to fulfill this requirement if it cannot be counted toward major requirements in the department that offers it
- h. Physics 301, 101L, 316, 116L, 315, and 115L
- i. Mathematics 408C and 408D or the equivalent, 427J or 427K and 427L, and six additional semester hours of upper-division coursework in mathematics; the following courses are recommended: Mathematics 340L, 361, and 362K; only courses at the level of calculus and above may be counted toward the total number of hours required for the degree
- j. Twenty-four semester hours of upper-division coursework in physics, including Physics 336K, 352K, 353L, 355, 362L, 369, and 373, or their equivalents

- k. Eighteen semester hours of upper-division coursework in mechanical engineering, consisting of Mechanical Engineering 337C, 337F, 337G, 361E, 361F, and 336P
- l. Enough additional coursework to make a total of 126 semester hours

## Option IV: Space Sciences

This Option is designed to provide the necessary foundation for the student who plans a career or further study in space sciences.

- f. Chemistry 301 or 301C, and 302 or 302C
- g. Six semester hours in biology, geological sciences, or astronomy; a course may not be used to fulfill this requirement if it cannot be counted toward major requirements in the department that offers it
- h. Physics 301, 101L, 316, 116L, 315, and 115L
- i. Mathematics 408C and 408D or the equivalent, 427J or 427K and 427L, and six additional semester hours of upper-division coursework in mathematics; the following courses are recommended: Mathematics 340L, 361, and 362K; only courses at the level of calculus and above may be counted toward the total number of hours required for the degree
- j. Physics 329, 336K, 352K, 353L, 355, 362K, 369, and 373, or their equivalents
- k. Either 15 semester hours of upper-division coursework in aerospace engineering or 12 hours in aerospace engineering and three additional hours of upper-division coursework in physics
- l. Enough additional coursework to make a total of 126 semester hours

## Option V: Teaching

This Option is designed to fulfill the course requirements for certification as a middle grades or secondary school science teacher in Texas; the student chooses composite science certification with physics as the primary teaching field, physical sciences certification, physics/mathematics certification, or mathematics, physical science, and engineering certification. However, completion of the course requirements does not guarantee the student's certification. For information about additional requirements, students should consult the UTeach-Natural Sciences academic advisor.

- f. Physics 301, 101L, 316, 116L, 315, and 115L
- g. Mathematics 408C and 408D or the equivalent, 427J or 427K, and 427L
- h. At least 18 semester hours of upper-division coursework in physics, consisting of Physics 341 (Topic 7: *Research Methods: UTeach*), 353L, 355, and three of the following courses: Physics 329, 333, 336K, 338K, 352K, 373, Science 365; with the consent of the UTeach-Natural Sciences undergraduate advisor, an upper-division physics course that includes a substantial research component may be substituted for Physics 341
- i. History 329U or Philosophy 329U
- j. The requirements of one of the following certification areas:
  - a. For composite science certification:
    - i. Biology 311C and 311D
    - ii. Chemistry 301 or CH 301H and 302 or CH 302H
    - iii. Six hours of coursework in geological sciences; courses intended for non-science majors may not be counted toward this requirement
    - iv. Enough additional approved coursework in biology, chemistry, or geological sciences to provide the required 12 hours in a second field
  - b. For physical sciences certification:
    - i. Chemistry 301 or CH 301H, 302 or CH 302H, 204 or 317, 353, 153K, 154K, 354L, and 455 or 456

- ii. Three additional hours of upper-division coursework in physics
- c. For physics/mathematics certification: Mathematics 315C, 325K, 333L, 341 or 340L, 358K, 362K, 375D
- d. For mathematics, physical science, and engineering certification:
  - i. Mathematics 315C, 325K, 333L, 358K, and 362K
  - ii. Chemistry 301 or CH 301H, 302 or CH 302H, and 204
  - iii. Engineering Studies 301; and Mechanical Engineering 377K upon approval of the project by the UTeach Program.
- k. Eighteen semester hours of professional development coursework consisting of:
  - a. Curriculum and Instruction 651S (Topic 3: Secondary School Teaching Practicum: Math) or 651S (Topic 4: Secondary School Teaching Practicum: Science)
  - b. Curriculum and Instruction 365C or UTeach-Natural Sciences 350
  - c. Curriculum and Instruction 365D or UTeach-Natural Sciences 355
  - d. Curriculum and Instruction 365E or UTeach-Natural Sciences 360
  - e. UTeach-Natural Sciences 101, 110, and 170
- l. Students seeking middle grades certification must complete the following courses: Educational Psychology 350G, or Psychology 301 and 304; and Curriculum and Instruction 339E
- m. Enough additional coursework to make a total of at least 126 semester hours

## Option VI: Physics Honors

- f. Breadth requirement: Biology 315H and 325H, CH 301H and CH 302H, and Mathematics 427J and 427L; at least one of the math courses must be a designated honors section; credit earned by examination may not be counted toward this requirement
- g. Mathematics 340L and 361
- h. Physics 301, 101L, 316, 116L, 315, and 115L
- i. Physics 336K, 352K, 353L, 355, 362K, 362L, 369, 373, and 474
- j. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors advisor
- k. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
- l. Physics 379H and a three-semester-hour upper-division research course approved by the departmental honors advisor
- m. Ten additional semester hours of coursework approved by the departmental honors advisor
- n. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
- o. Enough additional coursework to make a total of 120 semester hours

## Option VII: Biophysics

- f. Chemistry 301 or CH 301H and 302 or CH 302H
- g. Either Biology 311C, 311D, and 325 or Biology 315H and 325H; Biology 206L
- h. Physics 301, 101L, 316, 116L, 315, and 115L
- i. Mathematics 408C and 408D or the equivalent, 427J or 427K and 427L, and six additional semester hours of upper-division coursework in mathematics; the following courses are recommended: Mathematics 340L, 361, and 362K
- j. Physics 336K, 345, 352K, 353L, 355, 369, and 373 or their equivalents
- k. Either Chemistry 320M or 328M, and Biochemistry 369
- l. Complete one of the following areas:
  - a. Cell Biology: Biology 320
  - b. Microbiology: Biology 326R

- c. Developmental Biology: Biology 350
- d. Neurobiology: Neuroscience 371M
- e. Virology: Biology 330
- f. Computation: Statistics and Data Sciences 335 and Biology 337J

A list of recommended biology laboratory courses that complement the lecture courses listed in 12a through 12e are available in the advising center and the dean's office.

m. Enough additional coursework to make a total of 126 semester hours

## Special Requirements

Students in all options must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

To graduate and be recommended for certification, students who follow the Teaching Option must have a University grade point average of at least 2.50. They must earn a grade of at least C- in the supporting course in requirement 9 and in each of the professional development courses listed in requirement 11 and must pass the final teaching portfolio review; those seeking middle grades certification must also earn a grade of at least C- in each of the courses listed in requirement 12. Information about the portfolio review and additional teacher certification requirements is available from the UTeach-Natural Sciences academic advisor.

To graduate under Option VI, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors advisor, and present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/innovative-education/undergraduate-research/undergraduate-research-forum>.

## Suggested Arrangement of Courses, Physics (BSPHy)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 408C (Core, Major) <sup>020, QR</sup>		4 M 408D (Major)		4 Study Abroad (Opportunity)	
CH 301 (Core, Major) <sup>093, QR</sup>		3 PHY 301 (Core, Major) <sup>030, QR</sup>		3 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 PHY 101L (Major)		1	
UGS 302 (Core) <sup>090, Wr</sup>		3 CH 302 (Major) <sup>QR</sup>		3	
GOV 310L (Core) <sup>070</sup>		3 Visual and Performing Arts (Core) <sup>050</sup>		3	
		GOV 312L (Core) <sup>070</sup>		3	
	16		17		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
M 427J (Major) <sup>QR</sup>		4 M 427L (Major)		4 Study Abroad (Opportunity)	
PHY 316 (Core, Major) <sup>030, QR</sup>		3 PHY 315 (Major) <sup>QR</sup>		3 Internship (Opportunity)	
PHY 116L (Major)		1 PHY 115L (Major)		1	
Social and Behavioral Sciences (Core) <sup>080</sup>		3 PHY 355 (Major)		3	

Foreign Language (General Education)	6	Foreign Language (General Education)	6		
	17		17	0	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 353L (Major) <sup>Wr</sup>		3 PHY 373 (Major)		3 Study Abroad (Opportunity)	
PHY 336K (Major)		3 PHY 352K (Major)		3 Internship (Opportunity)	
Upper-division M course (Major)		3 Upper-division M course (Major)		3	
AST, BIO, or GEO course (Major)		3 AST, BIO, or GEO course (Major)		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
	15		15	0	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PHY 369 (Major)		3 PHY 362L, 352L, 375R, or 375S (Major)		3 (None)	
PHY 362K (Major)		3 PHY 474 (Major) <sup>Wr, II</sup>		4	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Free electives (Elective)		9	
Free electives (Elective)		6 Maymester (Opportunity)			
	15		16	0	
<b>Total credit hours: 128</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Public Health

The Bachelor of Science in Public Health prepares graduates for entry-level positions in public health and equips them to pursue certificate and graduate degrees in the field. All of the options offer broad-based training in the five core areas of public health.

Students for whom the degree is appropriate include those interested in health careers and in dual graduate degree programs in medicine and public health. The degree is administered by the School of Human Ecology.

Option I students who plan to follow Option III must apply for admission. Admission requirements for Option III are given in The Bachelor of Science in Public Health, Option III. Students who plan to follow Option II must be admitted to the [Dean's Scholars Honors Program](#) (p. ).

## Prescribed Work Common to All Options

In the process of fulfilling degree requirements, all students must complete:

- a. Foundation courses:
  - i. Public health: Public Health 317
  - ii. Microbiology: Biology 326M and 226L
  - iii. Nutrition and physiology: Nutrition 312 or 312H, and Biology 365S
  - iv. Social and behavioral sciences: One of the following: Economics 304K, 304L, Psychology 301, Sociology 319, 354K
  - v. Political science/government: Government 358 or Management 320F
- b. Public health core\*:
  - i. Biostatistics: Statistics and Data Sciences 320E
  - ii. Environmental health sciences: Public Health 338
  - iii. Epidemiology: Public Health 354
  - iv. Global health: Public Health 334
  - v. Health policy and health systems: Public Health 358D
  - vi. Health behavior theory and practice: Public Health 356
- c. Core curriculum
- d. Skills and experience flags:
  - i. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - ii. Quantitative reasoning: one flagged course
  - iii. Global cultures: one flagged course
  - iv. Cultural diversity in the United States: one flagged course
  - v. Ethics: one flagged course
  - vi. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flag from the same course. Students are encouraged to discuss options with their academic advisors.

- e. At least 21 semester hours of upper-division coursework must be completed in residence at the University. All students must complete at least 36 semester hours of upper-division coursework.
- f. One of the following:
  - i. Public Health 137 (Topic 1: Senior Seminar in Public Health), or
  - ii. An alternative cumulative, integrative, and scholarly or applied experience or inquiry project that serves as a capstone to the educational experience approved by the public health faculty (as described in Special Requirements).

## Additional Prescribed Work for Each Option

### Option I: Public Health

- g. Mathematics 408C, 408N, or 408R.
- h. Biology 311C, 311D, and 325 or Biology 315H and 325H. These courses must be completed before the student progresses to other upper-division biology and upper-division public health courses.
- i. Chemistry 301 or 301C, 302 or 302C, 204, 320M, and Biochemistry 369.
- j. Nine hours from the following list of advanced courses; courses counted toward requirement 1 may not be used to fulfill this requirement.

- i. Public Health 363 (required for Options I and II)
- ii. Six hours from the following courses:
  1. Public Health 341R, 361P, 362, 364, 365, 366 or
  2. Nine hours of graduate coursework completed at the School of Public Health at The University of Texas Health Science Center at Houston for students participating in the Option III: Advanced Program.
- k. One of the following foreign language/culture choices:
  - i. Beginning level proficiency coursework, or the equivalent, in a foreign language
  - ii. First course in a foreign language and a three-semester-hour course in the culture of the same language area
  - iii. Two three-semester-hour courses in one foreign culture area; the courses must be chosen from an approved list available in the dean's office and the college advising centers
- l. Enough additional coursework to make a total of 120 semester hours

### Option II: Public Health Honors

6. Breadth requirement: An honors mathematics course; Biology 315H and 325H; CH 301H and CH 302H; credit by examination may not count toward this requirement
7. In fulfilling requirement 2a, students must complete Statistics and Data Sciences 325H
8. Chemistry 204, 320M, and Biochemistry 369
9. A section of Undergraduate Studies 302 or 303 that is approved by the program honors advisor
10. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
11. Two semesters of Public Health 379H
12. Public Health 363
13. Nine additional hours of coursework approved by the departmental honors advisor
14. Six semester hours of coursework from the College of Liberal Arts and/or the College of Fine Arts
15. Enough additional coursework to make a total of 120 semester hours

### Option III: Advanced Program

This program provides students with a foundation in the natural sciences applied to public health and advanced specialist training in preparation for a leadership position in public health practice. This program leads to the completion of the Bachelor of Science in Public Health and the Master of Public Health, awarded by the School of Public Health at The University of Texas Health Science Center at Houston.

During the senior year, students complete 16 hours of graduate coursework at the Austin Campus, to earn a graduate certificate in public health. If successfully completed, the courses in the graduate certificate program are applied to the Master of Public Health degree. The second year of the Master of Public Health is completed at one of five campuses of the school of Public Health: Austin, Brownsville, Dallas, El Paso, Houston, and San Antonio.

Prior to graduation with a Bachelor of Science in Public Health, Option III students must transfer in nine hours of graduate coursework earned at the UT Austin School of Public Health. Students may apply to graduate with a Bachelor of Science in Public Health prior to the completion of the graduate certificate in public health.

6. Mathematics 408C, 408N, or 408R.
7. Biology 311C, 311D, and 325; or 315H and 325H; these courses must be completed before the student progresses to other upper-division biology and upper-division public health courses



# Suggested Arrangement of Courses, Public Health (BSPublichealth)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 311C (Major) <sup>093</sup>		3 BIO 311D (Major)		3 Study Abroad (Opportunity)	
CH 301		3 CH 302		3 Internship (Opportunity)	
M 408C, 408K, 408N, or 408R (Major) <sup>020, QR</sup>		4 CH 204 (Major) <sup>QR</sup>		2 Shadowing (Opportunity)	
GOV 310L (Core) <sup>070</sup>		3 GOV 312L (Core) <sup>070</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 RHE 306 (Core) <sup>010</sup>		3	
		<b>16</b>		<b>14</b>	
				<b>0</b>	
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PBH 317 (Major) <sup>E</sup>		3 BIO 326M (Major)		3 Study Abroad (Opportunity)	
BIO 325 (Major)		3 BIO 226L (Major)		2 Internship (Opportunity)	
CH 320M (Major)		3 Foreign Language or Culture (General Education)		6 Shadowing (Opportunity)	
Foreign Language or Culture (General Education)		6 ECO 304K, 304L, PSY 301, SOC 319, or SOC 354K (Major)		3	
		<b>15</b>		<b>14</b>	
				<b>0</b>	
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PBH 354 (Major) <sup>QR</sup>		3 PBH 358D (Major) <sup>Wr</sup>		3 Study Abroad (Opportunity)	
BCH 369 (Major)		3 PBH 356 (Major) <sup>CD</sup>		3 Internship (Opportunity)	
SDS 320E (Major) <sup>QR, II</sup>		3 NTR 312 (Major)		3 Shadowing (Opportunity)	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 PBH Concentration course (Major)		3	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
		<b>15</b>		<b>15</b>	
				<b>0</b>	
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
PBH 334 (Major) <sup>GC</sup>		3 BIO 365S		3 Shadowing (Opportunity)	
PBH 338 (Major)		3 MAN 320F or GOV 358		3	
PBH Concentration course (Major)		3 PBH 363 (Major)		3	
Visual and Performing Arts (Core) <sup>050</sup>		3 Social and Behavioral Science (Core)		3	
PBH 137 (Major)		1 Free elective (Elective)		3	
Free elective (Elective)		3 Maymester (Opportunity)			
		<b>16</b>		<b>15</b>	
				<b>0</b>	
<b>Total credit hours: 120</b>					

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

8. Chemistry 301 or 301C, 302 or 302C, 204, 320M, and Biochemistry 369
9. One of the following foreign language/culture choices:
  - a. Beginning level proficiency coursework, or the equivalent, in a foreign language
  - b. First course in a foreign language and a three-semester-hour course in the culture of the same language area
  - c. Two three-semester-hour courses in one foreign culture area; the courses must be chosen from an approved list available in the dean's office and the college advising centers.
10. Enough additional coursework to make a total of 120 semester hours; a maximum of nine hours of graduate coursework completed at the School of Public Health at The University of Texas Health Science Center may be applied toward the Bachelor of Science in Public Health, Option III: Advanced Program, if needed to reach a total of 120 hours.

\* Graduate coursework may not be applied toward the public health core requirements 2a through 2f.

## Special Requirements

Students must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). All students must complete a cumulative, integrative, and scholarly or applied experience or inquiry project that serves as a capstone to the educational experience approved by the public health faculty. They must also earn a grade of at least C- in each foundation course, public health core course, the senior seminar in public health, public health advanced course, and mathematics and science course required by the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

## Additional Requirements for Option II

To graduate under Option II, students must remain in good academic standing in the Dean's Scholars Program, must submit an honors thesis approved by the departmental honors advisor, and present their research in an approved public forum, such as the college's annual [Undergraduate Research Forum](#).

## Additional Requirements for Option III

Students admitted to Option III are required to follow the admission schedule and policies of Master of Public Health program at the School of Public Health at The University of Texas Health Science Center at Houston. Students are expected to make continuous progress toward the undergraduate and graduate degrees by completing required undergraduate and graduate public health coursework each semester of the fourth year. Students who fail to complete graduate coursework two long-session semesters in a row will be removed from the program and must re-enroll at The University of Texas at Austin to complete the Bachelor of Science in Public Health Option I. Students will be notified prior to removal from the graduate program. Students must earn the Bachelor of Science in Public Health in their fourth year to be eligible to continue in the Master of Public Health program in their fifth year.

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Bachelor of Science in Statistics and Data Science

The Bachelor of Science in Statistics and Data Science (SDS) provides students with foundational training and marketable skills in statistics and data science. The curriculum is designed to equip students to execute all stages of a data analysis, from data acquisition and exploration to application of statistics and machine learning methods to the creation of data products (e.g. reports, apps, dashboards). Throughout the program, students are exposed to the principles of and tools for conducting reproducible data science and are taught to think critically about relevant ethical and legal issues (e.g., data privacy, algorithmic bias, misrepresentation of findings). The program prepares students to enter the workforce directly, or after pursuing specialized graduate training, as statisticians and data scientists or in other roles where training in these fields is excellent preparation.

### Prescribed Work

In the process of fulfilling degree requirements, all students must complete:

- a. Core curriculum
- b. Skills and experience flags:
  - i. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - ii. Quantitative reasoning: one flagged course
  - iii. Global cultures: one flagged course
  - iv. Cultural diversity in the United States: one flagged course
  - v. Ethics: one flagged course
  - vi. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the Course Schedule. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- c. At least 21 hours of upper-division course work in Statistics and Data Sciences must be completed in residence at the university.
- d. Mathematical and computational foundations (14 hours minimum depending on calculus sequence, including three upper division)
  - i. Calculus: Mathematics 408C and 408D; 408K, 408L, and 408M; or 408N, 408S, and 408M
  - ii. Linear algebra: Mathematics 340L or 341
  - iii. Introduction to programming: Computer Science 303E or 312, or an equivalent Computer Science course
  - iv. Introduction to Databases: Computer Science 327E or an equivalent Computer Science course

- e. Breadth Requirement: At least 12 hours, including at least six upper-division hours, in a single field of study other than Statistics and Data Sciences.
- f. The following courses in Statistics and Data Sciences:
  - i. Core courses for the major:
    - Statistics and Data Sciences 313, *Introduction to Data Science*
    - Statistics and Data Sciences 315, *Statistical Thinking*
    - Statistics and Data Sciences 431, *Probability and Statistical Inference*
    - Statistics and Data Sciences 334, *Intermediate Statistical Methods*
    - Statistics and Data Sciences 336, *Practical Machine Learning*
    - Statistics and Data Sciences 354, *Advanced Statistical Methods*
    - Statistics and Data Sciences 357, *Case Studies in Data Science*
  - ii. Six additional credit hours from an approved list of courses
- g. Enough additional coursework to make a total of 120 semester hours.

### Special Requirements

Students must fulfill both the University's general requirements for graduation and the college requirements. They must also earn a grade of at least C- in all courses required for the major, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the General Information Catalog.

## Suggested Arrangement of Courses, Statistics and Data Science (BSSDS)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SDS 313 (Major)		3 C S 303E (Core, Major) <sup>093, QR</sup>		3 Study Abroad (Opportunity)	
M 408C, 408K, or 408N (Core, Major) <sup>020, QR</sup>		4 M 408D, 408L, or 408S (Major) <sup>QR</sup>		4 Internship (Opportunity)	
RHE 306 (Core) <sup>010</sup>		3 SDS 315 (Major) <sup>QR, E</sup>		3	
UGS 302 (Core) <sup>090, Wr</sup>		3 U.S. History (Core) <sup>060</sup>		3	
General education course (General Education)		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
	16		16		0
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SDS 431 (Major)		4 SDS 334 (Major)		3 Study Abroad (Opportunity)	
M 340L or 341 (Major)		3 Lower-division breadth course (Major)		3 Internship (Opportunity)	
Lower-division breadth course (Major)		3 U.S. History (Core) <sup>060</sup>		3	
GOV 310L (Core) <sup>070</sup>		3 Natural Science and Technology, Part I (Core) <sup>030</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 Course with Writing Flag (Core) <sup>Wr</sup>		3	
	16		15		0
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
SDS 336 (Major)		3 SDS 354 (Major)		3 Study Abroad (Opportunity)	

C S 327E (Major)	3 Upper-division breadth course (Major)	3 Internship (Opportunity)	
Upper-division breadth course (Major)	3 General education course (General Education) <sup>GC</sup>	3	
GOV 312L (Core) <sup>070</sup>	3 General education course (General Education)	3	
General education course (General Education) <sup>CD</sup>	3 Visual and Performing Arts (Core) <sup>050</sup>	3	
	<b>15</b>	<b>15</b>	<b>0</b>

#### Fourth Year

First Term	Hours	Second Term	Hours	Summer Term	Hours
SDS 357 (Major) <sup>II, Wr</sup>	3	SDS 364 (Major)	3	(None)	
SDS 368 (Major)	3	General education course (General Education)	3		
General education course (General Education)	3	General education course (General Education)	3		
General education course (General Education)	3	General education course (General Education)	3		
Social and Behavioral Sciences (Core) <sup>080</sup>	3	Maymester (Opportunity)			
	<b>15</b>	<b>12</b>	<b>0</b>		

Total credit hours: 120

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Bachelor of Science in Textiles and Apparel

The Division of Textiles and Apparel (TXA) is a science-based interdisciplinary hub providing a dynamic education – setting students up for a breadth of career and academic opportunities. Students in the Division of Textiles and Apparel are able to select from a wide range of innovative courses on campus, in New York City, NY, or Paris, France, or in studios and labs in collaboration with industry partners in the Austin, TX area. TXA students study the art of design, the science of chemistry and physics, and the application of retail principles.

Students complete a major foundation curriculum and then choose from courses which will make up Specializations– with students tracking through introductory, developing, and mastery learning levels of content. Our courses provide hands-on experience reflective of a rapidly evolving field – harnessing the energy of rapidly evolving retail environments, learning from intercultural practices and customs, product development,

consumer behavior, apparel and fashion design, computer-aided design, sustainability, and fiber and fabric testing, among other things. Capstone experiences take students to high-profile venues and provide rich educational opportunities. Internships are available to enhance the educational experience and ensure strong career opportunities. Research is being conducted in bio-based fibers and specialized fabrics to address basic human needs of creative textile products.

## Prescribed Work

In the process of fulfilling degree requirements, all students must complete:

- Core curriculum
- Skills and experience flags:
  - Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
  - Quantitative reasoning: one flagged course
  - Global cultures: one flagged course
  - Cultural diversity in the United States: one flagged course
  - Ethics: one flagged course
  - Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the [Course Schedule](#). They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisors.

- One of the following: Statistics and Data Sciences 301, 302F 325H, 320E; Educational Psychology 371; Advertising 350; African and African Diaspora Studies 302M, 350; Mathematics 302, 408Q, 408R; Philosophy 313; Psychology 317L; or Sociology 317L
- Chemistry 301N and 302N; and one of the following: Biology 311C; Anthropology 301, 304, 304T; Computer Science 302, 303E; Electrical and Computer Engineering 302; Geography 301C 301K, 304E; Nutrition 306
- The following textiles and apparel courses:
  - Foundation Courses: Textiles and Apparel 301C, 305, 314K, 314C; 316L or 316R or 360; and one of the following courses: Textiles and Apparel 325L, 325M, 361, or 327C
  - Elective courses: Textiles and Apparel 313, 317D, 317R, 317T, 318E, 318T, 319R, 326, 328, 331E, 340E, 340T, 341E, 342E, 350D, 351D, 351R, 352E, 353D, 360L, 361T, 362T, 362D, 363D, 363T, 366D, 367D, 368D, 376R, 377R, 378H, 379H, and 379R; and any of these courses when not selected as part of Foundation: Textiles and Apparel 316L, 316R, 325L, 325M, 327C, 360, and 361
  - Required courses: Human Ecology 101P, 102P, and 103P; Textiles and Apparel 356
- Thirty-six semester hours of upper-division coursework. At least 21 semester hours of upper-division coursework must be taken in residence at the University.
- Enough additional coursework to make a total of 120 semester hours

## Special Requirements

Students must fulfill both the University's [General Requirements](#) (p. 20) for graduation and the [college requirements](#) (p. ). They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the [General Information Catalog](#).

# Suggested Arrangement of Courses, Textiles and Apparel (BSTA)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
TXA 305 (Major)		3 TXA 314C (Major)		3 Study Abroad (Opportunity)	
TXA 301C (Major)		3 TXA 316L, 316R, or 360 (Major)		3 Internship (Opportunity)	
CH 301N (Major) <sup>030, QR</sup>		3 Social and Behavioral Sciences Course (Core) <sup>080</sup>		3	
Core Mathematics Course (Core) <sup>020, QR</sup>		3 CH 302N (Major) <sup>030, QR</sup>		3	
UGS 302 or 303 (Core) <sup>090, Wr</sup>		3 RHE 306 (Core) <sup>10</sup>		3	
		H E 101P (Major)		1	
	<b>15</b>		<b>16</b>		<b>0</b>
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
TXA 314K (Major)		3 TXA Elective course (Major)		3 Study Abroad (Opportunity)	
Natural Science and Technology, Part II (Core) <sup>031, QR</sup>		3 BIO 311C (Major) <sup>031, QR</sup>		3 Internship (Opportunity)	
U.S. History (Core) <sup>060</sup>		3 U.S. History (Core) <sup>060</sup>		3	
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>		3 GOV 310L (Core) <sup>070</sup>		3	
H E 102P (Major) <sup>E</sup>		1 H E 103P (Major)		1	
Free elective (Elective)		3 Free elective (Elective)		3	
	<b>16</b>		<b>16</b>		<b>0</b>
Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
TXA 325L, 325M, 327C, or 361 (Major)		3 TXA 356 (Major)		3 (None)	
TXA Elective course (Major)		3 TXA Elective course (Major)		3	
GOV 312L (Core) <sup>070</sup>		3 Free elective (Elective)		3	
Free elective (Elective)		3 Free elective (Elective)		3	
Visual and Performing Arts (Core) <sup>050</sup>		3			
	<b>15</b>		<b>12</b>		<b>0</b>
Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
TXA Elective course (Major)		3 TXA Elective course (Major)		3 Internship (Opportunity)	
TXA Elective course (Major)		3 TXA Elective course (Major)		3	
TXA Elective course (Major)		3 TXA Elective course (Major)		3	
TXA Elective course (Major)		3 TXA Elective course (Major)		3	
Free elective (Elective)		3 TXA Elective course (Major)		3	
	<b>15</b>		<b>15</b>		<b>0</b>
<b>Total credit hours: 120</b>					

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

## Minor and Certificate Programs

In the College of Natural Sciences, only one transcript-recognized minor or transcript-recognized certificate may be declared per major.

A student who wishes to pursue more than one transcript-recognized minor or transcript-recognized certificate per major must consult with his or her academic advisor to get permission from the College. When considering whether to grant an exception and allow pursuit of another transcript-recognized credential, the academic advisor will take into account the student's long-term education/professional goals and the student's ability to graduate within four years of entering the university.

Students admitted to transcript-recognized certificate and transcript-recognized minor programs must contact their academic advisors to have approved programs added to their degree audit profiles. This allows progress toward the programs to be tracked and ensures that certificates and minors are added to official transcripts upon graduation, if all requirements are met.

## Minors

The College of Natural Sciences does not offer any minor programs. To see a full list of minors offered at the University, please see [The University](#) (p. ) section of the *Undergraduate Catalog*.

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

## Certificates

Undergraduate certificate programs encourage students to explore academic areas that support and extend their degree plans. The following certificates require at least 18 semester hours of coursework, some of which may also be used to fulfill degree requirements. Undergraduates who complete the certificate requirements in conjunction with their degree requirements or within one year after earning the degree will receive a certificate and recognition on their University transcript. A maximum of nine hours in the certificate program may be taken after completion of the undergraduate degree. At least half of the required coursework in the certificate program must be completed in residence at the University.

## Applied Statistical Modeling Certificate

The certificate in Applied Statistical Modeling equips undergraduate students with the tools necessary to understand how to apply statistics to their primary field of study. This certificate program is designed to complement diverse degree programs and to appeal to students across

the University in engineering, science, economics, mathematics, and many other disciplines. Certificate students will complete one course in the mathematical foundations of statistics, a two-course sequence in applied statistics, and nine additional hours in statistics, machine learning, econometrics, and other relevant courses from the approved list below.

Admission to the certificate is by application only. Students may download an application from the Department of Statistics and Data Sciences webpage. Students seeking the certificate must also complete the prerequisite course Mathematics 408C, 408L, 408N, 408R, or 408S with a grade of at least C-.

The certificate consists of 18 hours. Students must receive a grade of at least C in each course applied toward the certificate and have a cumulative grade point average of at least 3.0 in the courses presented to fulfill the certificate. Courses that appear in multiple approved course lists may be used to satisfy only one requirement. Students must contact the Department of Statistics and Data Sciences in the semester in which they are completing the requirements and graduating.

Requirements	Hours
Mathematical foundation of statistics	3
BME 335 Engineering Probability and Statistics	
ECE 351K Probability and Random Processes	
M 362K Probability I	
SDS 321 Introduction to Probability and Statistics	
Sequence in applied statistics	6
Choose one of the following:	
ECO 329 Economic Statistics	
EDP 371 Introduction to Statistics	
GOV 350K Statistical Analysis in Political Science	
M 358K Applied Statistics	
SOC 317L Introduction to Social Statistics	
STA 309 Elementary Business Statistics	
SDS 302F Foundations of Data Analysis	
SDS 320E Elements of Statistics	
And one of the following:	
ECO 441K Introduction to Econometrics	
M 349R Applied Regression and Time Series	
STA 371G Statistics and Modeling	
STA 371H Statistics and Modeling: Honors	
STA 375 Statistics and Modeling for Finance	
STA 375H Statistics and Modeling for Finance: Honors	
SDS 325H Honors Statistics	
SDS 324E Elements of Regression Analysis	
SDS 352 Statistical Methods	
SDS 358 Special Topics in Statistics (Topic 1: Applied Regression Analysis)	
Nine hours of coursework out of the following: <sup>1</sup>	9
ADV 344K Advertising and Public Relations Research	
C S 342 Neural Networks	
C S 343 Artificial Intelligence	
CMS 348 Communication Research Methods	
ECO 354K Introductory Game Theory	

ECO 342L	Advanced Econometrics
ECE 461P	Data Science Principles
GEO 325K	Computational Methods
GEO 365N	Seismic Data Processing
HED 343	Foundations of Epidemiology
HED 373	Evaluation and Research Design
KIN 376	Measurement in Kinesiology
LIN 350	Special Topics in the Study of Language (Topic 15: Computational Semantics)
M 339J	Probability Models with Actuarial Applications
M 349P	Actuarial Statistical Estimates
M 362M	Introduction to Stochastic Processes
M 378K	Introduction to Mathematical Statistics
or SDS 378	Introduction to Mathematical Statistics
M 378P	Decision Analytics
or SDS 378P	Decision Analytics
MIS 373	Topics in Management Information Systems (Topic 11: Advanced Analytics Programming)
MIS 373	Topics in Management Information Systems (Topic 17: Predictive Analytics and Data Mining)
PBH 354	Epidemiology I
PGE 378	Applied Reservoir Characterization
PSY 325K	Advanced Statistics
SDS 323	Statistical Learning and Inference
SDS 322E	Elements of Data Science
SDS 353	Advanced Multivariate Modeling
SDS 358	Special Topics in Statistics
SDS 374E	Visualization and Data Analysis for Science and Engineering
SDS 375	Special Topics in Scientific Computation
SDS 379R	Undergraduate Research
STA 372	Topics in Statistics (Topic 5: Financial and Econometric Time Series Modeling)

Please Note:

Statistics and Data Sciences 358 (Topic 1: Applied Regression Analysis) may only be counted toward one requirement.

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1. Students are encouraged to select courses within their own majors or colleges as appropriate. The Statistics and Data Sciences courses listed are available to students in all majors.

## Computational Science and Engineering Certificate

The Computational Science and Engineering Certificate program is sponsored by the Cockrell School of Engineering, the Jackson School of Geosciences, the College of Liberal Arts, and the College of Natural Sciences; it is administered by the Institute for Computational Engineering and Sciences (ICES). Information regarding the specific requirements of the Certificate can be found in the Cockrell School

of Engineering's [Minor and Certificates section](#) (p. 197) of the Undergraduate Catalog.

## The Elements of Computing Program Certificate

The Elements of Computing Program, administered by the Department of Computer Science, is designed to support computational work in disciplines other than computer science and to provide students with skills in the use of computer applications. Any non-computer science major may take any elements of computing course for which the student meets the prerequisite. No application process is required.

To earn the Elements of Computing Certificate, students must complete 18 semester hours of coursework with a grade of at least C- in each course.

The following coursework is required:

Requirements		Hours
C S 303E	Elements of Computers and Programming (or the equivalent)	3
C S 313E	Elements of Software Design (or the equivalent)	3
Four of the following courses:		12
C S 323E	Elements of Scientific Computing	
C S 324E	Elements of Graphics and Visualization	
C S 326E	Elements of Networking	
C S 327E	Elements of Databases	
C S 328E	Topics in Elements of Computing	
C S 329E	Advanced Topics in Elements of Computing	
C S 330E	Elements of Software Engineering I	
C S 331E	Elements of Software Engineering II	

Please Note:

1. With the approval of the certificate program faculty committee, up to two appropriate substitute courses may be counted toward the elective requirement. This includes courses that are transferred in from other universities and/or study abroad.

2. Students will be allowed a maximum of two attempts at C S 303E and C S 313E. Symbols of CR, Q, and W count as course attempts, as do grades below C-.

3. Undergraduate students will be allowed to enroll in a maximum of two upper division Elements course courses in a semester and four upper division courses in total.

## Evidence and Inquiry Certificate

The Evidence and Inquiry Certificate, pursued by students in the Polymathic Scholars Program and open by application to others, allows students to design an area of study shaped by questions that require evidence and methodologies outside their major. Students work with faculty to identify interests, map them onto academic disciplines at the University, and determine questions related to those interests that might be answerable by research that combines expertise from at least two disciplines. Students describe their area of study, identify primary questions, name two University of Texas at Austin faculty members with research experience relevant to their field, and justify the courses they would take in a written proposal that must be reviewed by three members of the program's faculty steering committee. Students complete an original research thesis in their final year. Those who plan to pursue the certificate must apply no later than the end of their third long semester.

More information about the Evidence and Inquiry Certificate is available on the [College of Natural Sciences website](#).

The certificate program requires 22 semester hours of coursework, including at least 11 hours completed in residence. Students must meet the following requirements:

Requirements		Hours
UGS 303	First-Year Signature Course	3
NSC 109	Topics in Natural Science (Topic 4: Polymathic Capstone Field Invention)	1
Four additional courses, including at least six semester hours of upper-division coursework, from the student's approved evidence and inquiry area of study		12
Senior Capstone Sequence		6
NSC 323	Natural Sciences Topics (Topic 1: Polymathic Capstone Thesis Preparation Seminar)	
NSC 371	Capstone Thesis Seminar	

In the College of Natural Sciences, the Evidence and Inquiry Certificate may be used to complement any major. Some certificate courses will also fulfill degree requirements established by the student's major department and are given later in this section; however, some of the 22 hours required for the certificate may be in addition to the number of hours required for the degree.

## Food and Society Certificate

Though food-related issues vary widely in focus, they are all linked by their complexity and are deeply interdisciplinary nature, each relating to topics of health and nutrition, genetics, politics, culture, the environment, economics, and business. Students will be able to appreciate the full range of these interdisciplinary ties and apply new perspectives to their primary academic majors and careers.

Students completing the certificate will be able to apply a more comprehensive understanding of the implications of their food-related actions and decisions; find better solutions to today's complex problems; formulate more effective public policy; become better informed and active citizens; and make healthier choices for themselves and their families.

No admission to the certificate is required. Students must contact the advising office in the School of Human Ecology to apply for the certificate the semester before the certificate requirements are met. The certificate consists of 18 hours, of which nine hours must be in upper-division coursework. Courses must be completed with minimum grades of at least C- unless the course is offered only on the pass/fail basis. Students also seeking the Bachelor of Science in Nutrition may count a maximum of six hours in nutrition toward the food and society certificate.

Some of the courses may contain prerequisites that are in addition to the coursework for the certificate.

Requirements		Hours
Three hours of introductory nutrition chosen from the following:		3
NTR 306	Fundamentals of Nutrition	
NTR 312	Introduction to Nutritional Sciences	
NTR 312H	Introduction to Nutritional Sciences: Honors	

Fifteen hours selected from a minimum of two themes chosen from table 1, 2 and 3 below. <sup>1</sup> 15

1. No more than nine hours in a single theme may be applied toward the certificate.

### 1. Nutrition and Health

Requirements		Hours
NTR 218 & NTR 118L	Assessment of Nutritional Status and Assessment of Nutritional Status Laboratory	3
NTR 307	Introductory Food Science	3
NTR 315	Nutrition through the Life Cycle	3
NTR 330	Nutrition Education and Counseling	3
NTR 321	International Nutrition: The Developing World	3
NTR 334	Foodservice Systems Management	3
NTR 353	Field Experience in International Nutrition	3
NTR 365	Selected Topics in Nutritional Sciences (Topic 4: Obesity and Metabolic Health)	3
SOC 308S	Introduction to Health and Society	3
N 309	Global Health	3

### 2. Culture and History

Requirements		Hours
NTR 316	Culture and Food	3
AMS 370	Seminar in American Culture (Topic 26: American Food)	3
ANT 307	Culture and Communication	3
C C 340	Advanced Topics in Classical Archaeology (Topic 6: Food, Health, and Culture in the Ancient Mediterranean)	3
C C 348	Topics in Ancient Civilization (Topic 14: Ancient Greek Medicine)	3

### 3. Politics, Economics, and Environment

Requirements		Hours
NTR 331	International Nutrition: Social and Environmental Policies	3
NTR 332	Community Nutrition	3
GRG 331K	Nature, Society, and Adaptation	3
GRG 344K	Global Food, Farming, and Hunger	3
GRG 339K	Environment, Development, and Food Production	3
GOV 370I	The Politics of Food in America	3
MNS 308	Humans and a Changing Ocean	3
MNS 367K	Human Exploration and Exploitation of the Sea	3

## Forensic Science Certificate

The Forensic Science Certificate provides an interdisciplinary perspective for students interested in careers in forensic science.

Students seeking employment in forensic science laboratories upon graduation are encouraged to select biology and chemistry courses.

Some of these courses may require introductory biology and chemistry courses as prerequisites.

Students must apply online for admission to the certificate through the university-wide portal for transcript-recognized certificates as soon as they decide to pursue the certificate. The certificate consists of 18 hours, including six upper-division hours, with grades of at least C-:

Requirements		Hours
ANT 301	Biological Anthropology	3
NSC 309	Topics in Natural Science (Topic 6: Introduction to Forensic Science)	3
Six hours chosen from any of the following courses relevant to forensic science:		6
Criminalistics:		
SOC 302	Introduction to the Study of Society	
SOC 325K	Criminology	
SOC 325L	Sociology of Criminal Justice	
SOC 336P	Social Psychology and the Law	
Behavioral Science:		
PSY 301	Introduction to Psychology	
PSY 308	Biopsychology	
PSY 319K	Social Psychology	
Pharmacology:		
NEU 365D	Principles of Drug Action	
Forensic Science:		
ANT 366	Anatomy and Biology of the Human Skeleton	
Six hours chosen from any of the following areas:		6
Anatomy and Physiology:		
ANT 432L	Primate Anatomy	
BIO 365S	Human Systems Physiology	
BIO 446L	Human Microscopic and Gross Anatomy	
BIO 361T	Comparative Animal Physiology	
BIO 165U	Human Systems Physiology Laboratory	
BIO 371L	Experimental Physiology	
Chemistry:		
BCH 369	Fundamentals of Biochemistry	
CH 220C	Organic Chemistry Laboratory	
CH 320M	Organic Chemistry I	
CH 320N	Organic Chemistry II	
CH 455	Fundamentals of Analytical Chemistry	
Genetics and Microbiology:		
ANT 349C	Human Variation	
ANT 349D	Anthropological Genetics	
BIO 325	Genetics	
BIO 325L	Laboratory Experience in Genetics	
BIO 325T	Human Genetics	
BIO 226L	General Microbiology Laboratory	
BIO 326R	General Microbiology	
Statistics and Computation (One course chosen from the following):		
BIO 321G	Principles of Computational Biology	
SDS 301	Elementary Statistical Methods	
SDS 302F	Foundations of Data Analysis	

SDS 320E	Elements of Statistics
Additional coursework from the criminalistics, behavioral science and forensic science sections above. <sup>1</sup>	

1. A course may not count toward both six-hour requirements above

## Marine Science Certificate

The Marine Science transcript-recognized certificate enables students to explore the field of marine science. The certificate provides a foundation of basic competency in the fundamentals of marine science, along with specialized upper-division coursework in aquatic science. The knowledge of aquatic science that students gain through the certificate will help them to be competitive for employment or graduate study in this field.

The certificate consists of a minimum of 19 hours with grades of at least C-. Most of the courses in the certificate contain prerequisites of one year of general biology and one year of general chemistry.

Marine and Freshwater Biology and Marine and Freshwater Science majors are not eligible to earn the certificate. Environmental Science majors may count no more than nine hours of degree requirements toward the Marine Science certificate.

Requirements	Hours	
MNS 310	Fundamentals of Marine Science	3
MNS 320	Marine Ecology	3
MNS 120L	Laboratory Studies in Marine Ecology	1
Three hours chosen from:		3
BIO 311C	Introductory Biology I	
BIO 311D	Introductory Biology II	
BIO 315H	Advanced Introduction to Genetics: Honors	
CH 301	Principles of Chemistry I	
CH 302	Principles of Chemistry II	
Nine hours from the following, including at least six hours at the Marine Science Institute in Port Aransas, Texas:		9
MNS 440	Limnology and Oceanography	
MNS 152L	Principles of Marine Science: Laboratory Studies	
MNS 252L	Principles of Marine Science: Laboratory Studies	
MNS 152S	Principles of Marine Science: Undergraduate Seminar	
MNS 252S	Principles of Marine Science: Undergraduate Seminar	
MNS 152T	Principles of Marine Science: Special Topics	
MNS 252T	Principles of Marine Science: Special Topics	
MNS 348	Training Cruise(s) (Topic 1: Training Cruise(s): Research in Biological Oceanography )	
MNS 352	Principles of Marine Science	
MNS 352C	Estuarine Ecology	
MNS 352D	Marine Botany	
MNS 352E	Marine Conservation Biology	
MNS 353	Topics in Marine Science	
MNS 354	Marine Invertebrates	

MNS 354C	Biology of Fishes
MNS 354E	Aquatic Microbiology
MNS 354J	Marine Chemistry
MNS 354Q	Marine Environmental Science
MNS 354T	Biological Oceanography
MNS 354U	Biology of Sharks, Skates, and Rays
MNS 355C	Physiology of Fishes
MNS 356	Ecosystem Oceanography
MNS 357	Marine Phytoplankton Diversity
MNS 367K	Human Exploration and Exploitation of the Sea
MNS 170	Special Studies in Marine Science
MNS 270	Special Studies in Marine Science
MNS 370	Special Studies in Marine Science

## Pre-Health Professions Certificate

The Pre-Health Professions Certificate assists students in preparing for post-baccalaureate, healthcare professional programs. The certificate consists of a minimum of 18 hours, including nine hours in residence. Each course presented for the certificate must be completed with a grade of at least C-.

The certificate is composed of two separate tracks: a track for majors in the College of Natural Sciences, and a track for majors in other colleges across the university. Students must apply online for admission to the certificate through the university-wide portal for transcript recognized certificates.

Students are encouraged to work closely with the Health Professions Office to select healthcare themes relevant to their professional career goals. Some of the courses may contain prerequisites that are in addition to the coursework for the certificate.

Majors in the College of Natural Sciences must seek the Science Major Track.

Majors outside of the College of Natural Sciences must seek the Non-Science Major Track. The composition of the non-science major track is science coursework necessary for admission to post-baccalaureate, healthcare professional programs. Non-science majors may apply to the certificate program upon completion of the following courses with grades of at least B-: Chemistry 301 or 302, and one of the following: Statistics and Data Sciences 302F, Mathematics 408C, 408K, 408N, 408R, Educational Psychology 308, or Psychology 317L. Upon admission, the ability to progress in the certificate is dependent on completion of the certificate courses with satisfactory grades.

## Science Major Track

Requirements	Hours
Complete 18 hours chosen from the following themes relevant to healthcare.	18
Cultural Awareness:	
AAS 301	Introduction to Asian American Studies
AAS 310	Introductory Topics in Asian American Studies (Topic 1: Psychological Perspectives on Asian American Identity)
AFR 301	African American Culture
AFR 352D	Psychology of the African American Experience



AMS 370	Seminar in American Culture (Topic 49: Twentieth-Century United States Lesbian and Gay History)
LAS 324L	Topics in Latin American Anthropology (Topic 16: Mexican Immigration Cultural History)
MAS 307	Introduction to Mexican American Cultural Studies
MES 301L	Introduction to the Middle East: Adjustment and Change in Modern Times
SLH 308K	Perspectives on Deafness
<b>Health and Anatomy:</b>	
ARH 339R	Art, Art History, and Medicine
C C 306M	Introduction to Medical and Scientific Terminology
EDP 350L	Human Sexuality
or HED 366	Human Sexuality
or PSY 346K	Psychology of Sex
HED 335	Theories of Substance Use and Abuse
HED 343	Foundations of Epidemiology
HED 352K	Studies in Health: Topical Studies
HED 370K	Topical Seminar in Health Promotion
HED 373	Evaluation and Research Design
KIN 320	Applied Biomechanics of Human Movement
KIN 424K	Applied Human Anatomy
KIN 425K	Physiology of Exercise
KIN 326K	Biomechanical Analysis of Movement
PSY 301	Introduction to Psychology
PSY 308	Biopsychology
PSY 332C	Hormones and Behavior
PSY 341K	Selected Topics in Psychology (Topic 4: Health Psychology)
PSY 353K	Psychopharmacology
SLH 306K	Introduction to Speech, Language, and Hearing Sciences
<b>Healthcare Policy:</b>	
CMS 322E	Communication Ethics
GRG 322D	Human Health and the Environment
GRG 334E	Children's Environmental Health
GRG 344K	Global Food, Farming, and Hunger
GRG 357	Medical Geography
HED 378D	Peer Health Leadership I
HIS 350R	Undergraduate Seminar in United States History (Topic 18: Women in Sickness and Health)
MAN 334M	Healthcare System Management
N 309	Global Health
N 321	Ethics of Health Care
PBH 317	Introduction to Public Health
PHL 325M	Medicine, Ethics, and Society
SOC 307P	Introduction to the Sociology of Health and Well-Being
SOC 319	Introduction to Social Demography

SOC 321G	Global Health Issues and Health Systems
SOC 336D	Race, Class, and Health
SOC 354K	Sociology of Health and Illness
SOC 369K	Population and Society
URB 332D	Human Health and the Environment
<b>Human and Societal Development:</b>	
CMS 310K	Team-Based Communication
CMS 322E	Communication Ethics
EDP 350E	Introduction to Life Span Development
HDF 304	Family Relationships
HDF 313	Child Development
HDF 335	Adult Development
HDF 342	Development of Psychopathology from Infancy through Adolescence
HDF 343	Human Development in Minority and Immigrant Families
HDF 351	Infant Development and Attachment Relationships
HDF 378K	Advanced Child and Family Development (Approved topics)
N 310	Communication in Health Care Settings
PSY 301	Introduction to Psychology
PSY 308	Biopsychology
PSY 332C	Hormones and Behavior
PSY 333D	Introduction to Developmental Psychology
PSY 341K	Selected Topics in Psychology (Topic 4: Health Psychology)
SOC 302	Introduction to the Study of Society
SOC 330C	Death and Dying: Sociological Perspectives
SOC 333K	Sociology of Gender
HED 329K	Child and Adolescent Health
S W 360K	Current Social Work Topics (Topic 9: Loss and Grief: Individual, Family, and Cultural Perspectives)
<b>Nutrition:</b>	
CMS 322E	Communication Ethics
HIS 350R	Undergraduate Seminar in United States History (Topic 5: American Cultural History of Alcohol and Drugs)
NTR 306	Fundamentals of Nutrition
NTR 312	Introduction to Nutritional Sciences
NTR 315	Nutrition through the Life Cycle
NTR 218	Assessment of Nutritional Status
NTR 321	International Nutrition: The Developing World
NTR 326	Intermediate Nutrition and Metabolism
NTR 331	International Nutrition: Social and Environmental Policies
NTR 332	Community Nutrition

Optional: If additional hours are needed to complete the 18 hours for the certificate, a maximum of nine hours chosen from the following may be applied to the science major track:

Requirements	Hours
<b>Biochemistry and Chemistry:</b>	
BCH 369	Fundamentals of Biochemistry
CH 220C	Organic Chemistry Laboratory
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
<b>Biology:</b>	
BIO 206L	Introductory Laboratory Experiments in Biology
BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
<b>Physics:</b>	
PHY 301	Mechanics
PHY 101L	Laboratory for Physics 301
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics
PHY 102M	Laboratory for Physics 302K
PHY 102N	Laboratory for Physics 302L
PHY 303K	Engineering Physics I
PHY 303L	Engineering Physics II
PHY 103M	Laboratory for Physics 303K
PHY 103N	Laboratory for Physics 303L
PHY 316	Electricity and Magnetism
PHY 116L	Laboratory for Physics 316
PHY 317K	General Physics I
PHY 317L	General Physics II
PHY 117M	Laboratory for Physics 317K
PHY 117N	Laboratory for Physics 317L
<b>Statistics:</b>	
SDS 301	Elementary Statistical Methods
SDS 302F	Foundations of Data Analysis
SDS 320E	Elements of Statistics

Additional upper-division coursework in biochemistry, biology, and chemistry by approval of the undergraduate certificate advisor

## Non-Science Major Track

Requirements	Hours
Complete 18 hours chosen from one of the health professions preparation sequences. The 18 hours may be composed of introductory coursework, advanced coursework, or a mixture of the two	18
<b>Pre-dental Preparation</b>	
Introductory Coursework:	
BIO 206L	Introductory Laboratory Experiments in Biology
BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound

PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics
PHY 102M	Laboratory for Physics 302K
PHY 102N	Laboratory for Physics 302L
<b>Advanced Coursework:</b>	
BCH 369	Fundamentals of Biochemistry
BIO 320	Cell Biology
BIO 325	Genetics
BIO 326R	General Microbiology <sup>2</sup>
CH 220C	Organic Chemistry Laboratory
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
<b>Pre-medical Preparation</b>	
Introductory Coursework:	
BIO 206L	Introductory Laboratory Experiments in Biology
BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics
PHY 102M	Laboratory for Physics 302K
PHY 102N	Laboratory for Physics 302L
<b>Advanced Coursework:</b>	
BCH 369	Fundamentals of Biochemistry
BIO 320	Cell Biology
BIO 325	Genetics
BIO 326R	General Microbiology <sup>2</sup>
CH 220C	Organic Chemistry Laboratory
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
<b>Pre-occupational Therapy Preparation</b>	
Introductory Coursework:	
BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
BIO 206L	Introductory Laboratory Experiments in Biology
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 102M	Laboratory for Physics 302K
<b>Advanced Coursework:</b>	
BIO 325	Genetics
BIO 446L	Human Microscopic and Gross Anatomy
BIO 365S	Human Systems Physiology
BIO 165U	Human Systems Physiology Laboratory
<b>Pre-optometry Preparation</b>	
Introductory Coursework:	
BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II

BIO 206L	Introductory Laboratory Experiments in Biology
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 102M	Laboratory for Physics 302K
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics
PHY 102N	Laboratory for Physics 302L <sup>1</sup>

**Advanced Coursework:**

BCH 369	Fundamentals of Biochemistry
BIO 325	Genetics
BIO 326R	General Microbiology <sup>2</sup>
BIO 226L	General Microbiology Laboratory
BIO 446L	Human Microscopic and Gross Anatomy
BIO 365S	Human Systems Physiology
BIO 165U	Human Systems Physiology Laboratory
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
CH 220C	Organic Chemistry Laboratory

**Pre-physical Therapy Preparation**

**Introductory Coursework:**

BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
BIO 206L	Introductory Laboratory Experiments in Biology
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 102M	Laboratory for Physics 302K
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics
PHY 102N	Laboratory for Physics 302L <sup>1</sup>

**Advanced Coursework:**

BIO 325	Genetics
BIO 446L	Human Microscopic and Gross Anatomy
BIO 365S	Human Systems Physiology
BIO 165U	Human Systems Physiology Laboratory

**Pre-physician Assistant Preparation:**

**Introductory Coursework:**

BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
BIO 206L	Introductory Laboratory Experiments in Biology
CH 204	Introduction to Chemical Practice
NTR 306	Fundamentals of Nutrition

**Advanced Coursework:**

BCH 369	Fundamentals of Biochemistry
BIO 320	Cell Biology
BIO 325	Genetics
BIO 226L	General Microbiology Laboratory

BIO 326R	General Microbiology <sup>2</sup>
BIO 344	Molecular Biology
BIO 446L	Human Microscopic and Gross Anatomy
BIO 365S	Human Systems Physiology
BIO 165U	Human Systems Physiology Laboratory
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
CH 220C	Organic Chemistry Laboratory

**Pre-pharmacy Preparation:**

**Introductory Coursework:**

BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
BIO 206L	Introductory Laboratory Experiments in Biology
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 102M	Laboratory for Physics 302K <sup>1</sup>

**Advanced Coursework:**

BIO 325	Genetics
BIO 226L	General Microbiology Laboratory
BIO 326R	General Microbiology <sup>2</sup>
BIO 446L	Human Microscopic and Gross Anatomy
BIO 365S	Human Systems Physiology
BIO 165U	Human Systems Physiology Laboratory
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
CH 220C	Organic Chemistry Laboratory

**Pre-veterinary Preparation**

**Introductory Coursework:**

BIO 311C	Introductory Biology I
BIO 311D	Introductory Biology II
BIO 206L	Introductory Laboratory Experiments in Biology
CH 204	Introduction to Chemical Practice
PHY 302K	General Physics Technical Course: Mechanics, Heat, and Sound
PHY 105M	Laboratory For Physics 302K, 303K, and 317K
PHY 302L	General Physics Technical Course: Electricity and Magnetism, Light, Atomic and Nuclear Physics
PHY 102N	Laboratory for Physics 302L <sup>1</sup>

**Advanced Coursework:**

BCH 369	Fundamentals of Biochemistry
BIO 325	Genetics
BIO 326R	General Microbiology
BIO 226L	General Microbiology Laboratory
BIO 344	Molecular Biology
CH 320M	Organic Chemistry I
CH 320N	Organic Chemistry II
CH 220C	Organic Chemistry Laboratory

SDS 321	Introduction to Probability and Statistics
or SDS 320E	Elements of Statistics

1. A completed calculus-based physics sequence may substitute for the purpose of earning the certificate.
2. Previously completed Biology 326M may substitute.

## Quantum Information Science Certificate

A certificate in Quantum Information Science will allow students from a broad range of disciplines to receive formal recognition of their skills, training, and knowledge in the burgeoning field of quantum information science, including quantum computing, quantum communication, and quantum sensing. Students are required to take two courses in quantum information science. Courses under the Freshman Research Initiative (FRI) program will be open to all students, with consent of the instructor. Supplementary courses may be selected to emphasize different focus areas in physics, mathematics, and computer science.

Admission to the certificate is by application only. The certificate program requires 18 semester hours of coursework with a grade of at least C- in each course. Courses that appear in multiple approved course lists may be used to satisfy only one requirement. The following courses are required:

Requirements	Hours
Six hours selected from the following courses:	6
C S 309	Topics in Computer Science (Topic 1: Quantum Computing I)
C S 378	Undergraduate Topics in Computer Science (Topic 1: Quantum Computing II)
C S 358H	Introduction to Quantum Information Science: Honors
Twelve hours selected from among the following supplementary courses:	12
PHY 373	Quantum Physics I: Foundations
PHY 362K	Quantum Physics II: Atoms and Molecules
C S 331	Algorithms and Complexity
or C S 331H	Algorithms and Complexity: Honors
C S 358H	Introduction to Quantum Information Science: Honors
M 340L	Matrices and Matrix Calculations
or M 341	Linear Algebra and Matrix Theory
or SDS 329C	Practical Linear Algebra I
M 346	Applied Linear Algebra
Independent Research Project. This may be taken, for example, as one of the following courses: <sup>1</sup>	
PHY 371C	Individual Study in Physics
C S 370	Undergraduate Reading and Research
M 375C	Conference Course (Computer-Assisted)

Please Note: C S 358H Introduction to Quantum Information Science: Honors may only be counted toward one of the certificate requirements. With the approval of the certificate program faculty, other appropriate courses may be counted toward the certificate requirements.

1. The student conducts independent research on some aspect of quantum information science and completes a final report describing their work. The topic must be approved by a university faculty or research staff member and will be conducted under their supervision.

## Scientific Computation and Data Sciences Certificate

The Certificate in Scientific Computation and Data Sciences helps undergraduates equip themselves with the mathematical, statistical, and computer-based tools necessary to investigate complex systems in a variety of applications. It is designed to appeal to students across the University in science, engineering, economics, premedicine, sociology, and many other disciplines. The program is administered by the Department of Statistics and Data Sciences. To be admitted, a student must be in good standing in an approved undergraduate degree program and must have earned a grade of at least C- in each certificate course he or she has completed. Students may apply for admission to the program at any point in their undergraduate study; they are encouraged to apply as early as possible so that they can be advised throughout the program.

The certificate consists of 18 hours. Students must complete Mathematics 408D or 408M as a prerequisite. No single course or topic may be used to meet more than one of these requirements. Students must contact the Department of Statistics and Data Sciences in the semester in which they are completing the certificate requirements and graduating.

Requirements	Hours
One course in computer programming chosen from the following:	3
COE 301	Introduction to Computer Programming
BME 303	Introduction to Computing
C S 303E	Elements of Computers and Programming
C S 313E	Elements of Software Design
COE 322	Scientific Computation
ECE 312H	Software Design and Implementation I: Honors
GEO 325J	Programming in FORTRAN and MATLAB
SDS 322	Introduction to Scientific Programming
One course in linear algebra, discrete mathematics, or differential equations chosen from the following:	3
M 340L	Matrices and Matrix Calculations
M 341	Linear Algebra and Matrix Theory
M 372K	Partial Differential Equations and Applications
SDS 329C	Practical Linear Algebra I
Two courses in scientific computing, chosen from two of the following areas:	6
Numerical Methods	
BME 313L	Introduction to Numerical Methods in Biomedical Engineering
CHE 348	Numerical Methods in Chemical Engineering and Problem Solving
COE 311K	Engineering Computation
C S 323E	Elements of Scientific Computing

C S 323H	Elements of Scientific Computing: Honors
C S 367	Numerical Methods
M 348	Scientific Computation in Numerical Analysis
M 368K	Numerical Methods for Applications
SDS 335	Scientific and Technical Computing
Statistical Methods	
BME 335	Engineering Probability and Statistics
ECO 329	Economic Statistics
ECE 351K	Probability and Random Processes
M 358K	Applied Statistics
M 378K	Introduction to Mathematical Statistics
M E 335	Engineering Statistics
SDS 325H	Honors Statistics
SDS 320E	Elements of Statistics
Other Computing Topics	
BME 350	Computational Methods for Biomedical Engineers
CH 354M	Introduction to Computational Methods in Chemistry
C S 324E	Elements of Graphics and Visualization
C S 327E	Elements of Databases
C S 329E	Advanced Topics in Elements of Computing (Approved topics)
C S 377	Principles and Applications of Parallel Programming
M 346	Applied Linear Algebra
M 362M	Introduction to Stochastic Processes
M 368K	Numerical Methods for Applications
M 372K	Partial Differential Equations and Applications
M 375T	Topics in Mathematics (Approved topics)
M 376C	Methods of Applied Mathematics
M E 367S	Simulation Modeling
MIS 325	Database Management
NEU 466M	Quantitative Methods In Neuroscience I
SDS 374C	Parallel Computing for Science and Engineering
SDS 374E	Visualization and Data Analysis for Science and Engineering
One of the following courses in applied computational science:	3
BCH 339N	Systems Biology and Bioinformatics
BIO 321G	Principles of Computational Biology
BME 342	Biomechanics of Human Movement
BME 346	Computational Biomolecular Engineering

BME 377T	Topics in Biomedical Engineering (Approved topics)
CH 368	Advanced Topics in Chemistry (Approved topics)
COE 347	Introduction to Computational Fluid Dynamics
C S 324E	Elements of Graphics and Visualization
C S 329E	Advanced Topics in Elements of Computing (Approved topics)
D S 372	Topics in Decision Science (Topic 6: Optimization Method in Finance)
ECO 363C	Computational Economics
ECE 379K	Topics in Electrical Engineering
FIN 372	Advanced Topics in Finance (Topic 6: Optimization Methods in Finance)
GEO 325K	Computational Methods
LIN 350	Special Topics in the Study of Language (Topic 15: Computational Semantics)
M 375T	Topics in Mathematics (Approved topics)
M 374M	Mathematical Modeling in Science and Engineering
PHY 329	Introduction to Computational Physics
SDS 322E	Elements of Data Science
An independent research course:	3 or 4
SDS 379R	Undergraduate Research
SDS 479R	Undergraduate Research

## Textile Conservation and Museum Studies Certificate

The Certificate in Textile Conservation and Museum Studies helps undergraduates equip themselves with the fiber science, exhibition planning, textile conservation, and museum management skills necessary to conserve textiles in various settings. It is designed to appeal to students across the University in science, history, information science, computational science, merchandising, fiber science and apparel design, and many other disciplines. The program is administered by the Division of Textiles and Apparel in the School of Human Ecology. To be admitted, a student must be in good standing in an approved undergraduate degree program and must have earned a grade of at least C- in each certificate course he or she has completed. Students may apply for admission to the program at any point in their undergraduate study; they are encouraged to apply as early as possible so that they can be advised throughout the program.

The following coursework is required:

Requirements	Hours	
I 301	Introduction to Informatics	3
I 320	Topics in Informatics (any topic)	3
TXA 205 & TXA 105L	Textiles and Textiles Laboratory	3
TXA 219C & TXA 119L	Applied Art in Visual Presentation and Applied Art in Visual Presentation Laboratory	3
TXA 325L	History of Dress and Cultural Change I	3

TXA 325M	History of Dress and Cultural Change II	3
TXA 352C	Field Experience in Textile Conservation Internship	3
TXA 355D	Textiles Artifact Management and Conservation	3

## UTeach-Natural Sciences Secondary Teaching Option Certificate

The UTeach-Natural Sciences program offers a secondary teaching option certificate to students who intend to teach at the middle or high school level. UTeach-Natural Sciences prepares students in the College of Natural Sciences, the Jackson School of Geosciences, and Cockrell School of Engineering for middle school or secondary teacher certification in science, technology, engineering, and mathematics (STEM). However, any students in any major at the University may seek STEM teacher certification through UTeach-Natural Sciences.

This certificate is composed of two separate tracks: a track for undergraduates, and an accelerated track for seniors and degree holders within one year of earning an undergraduate degree.

### UTeach Undergraduate Track

The following coursework is required, with grades of at least C-:

Requirements	Hours
One of the following courses:	3
BIO 337 Selected Topics in Biology (Topic 2: Research Methods: UTeach)	
CH 368 Advanced Topics in Chemistry (Topic 1: Research Methods: UTeach)	
PHY 341 Selected Topics in Physics (Topic 7: Research Methods: UTeach)	
HIS 329U Perspectives on Science and Mathematics	3
or PHL 329U Perspectives on Science and Mathematics	
Eighteen hours of professional development coursework consisting of the following:	18
EDC 651S Secondary School Teaching Practicum (Topic 3: Secondary School Teaching Practicum: Math or Topic 4: Secondary School Teaching Practicum: Science)	
EDC 365C Knowing and Learning in Math and Science	
or UTS 350 Knowing and Learning in Math and Science	
EDC 365D Classroom Interactions	
or UTS 355 Classroom Interactions	
EDC 365E Project-Based Instruction	
or UTS 360 Project-Based Instruction	
UTS 101 Secondary Teacher Education Preparation: Step 1	
& UTS 110 and Secondary Teacher Education Preparation: STEP 2	
& UTS 170 and Student Teaching Seminar	

In addition, students must meet the following requirements to graduate and be recommended for certification:

- University grade point average of at least 2.50
- Successful completion of secondary teacher certification and identified discipline specific content courses with a grade of at least C-. Lists of the required content courses and additional certification requirements are available in the UTeach-Natural Sciences office and online.

Science teacher certification: All courses must be majors level.

Biology: At least 24 hours in biology (some biochemistry and neuroscience courses may count), and six hours in each from chemistry, geology, and physics.

Chemistry: At least 24 hours in chemistry, and six hours in each from biology, geology, and physics.

Geology: At least 24 hours in geology, and six hours in each from biology, chemistry, and physics.

Physics: At least 24 hours in physics, and six hours in each from biology, chemistry, and geology.

Mathematics teacher certification: All courses, except Mathematics 315C, must count toward a math degree.

Mathematics: At least 24 hours in math, including Mathematics 315C, 333L, and 375D.

Life Sciences teacher certification: All courses must be majors level.

Life sciences: At least 24 hours in biology, including Biology 370; Chemistry 301.

Physics and Mathematics and Physical Science (Physics and Chemistry) teacher certification: All courses must be majors level and/or count towards a physics, chemistry and/or mathematics degree.

Physics and Mathematics: At least 24 hours in physics, and Mathematics 315C, 333L and 375D.

Physical Science (Physics and Chemistry): At least 24 hours in physics, and Chemistry 301, 302, 204, 353 and 455.

Computer Science and Computer Science and Math teacher certification: All courses must count toward a computer science and/or math degree.

Computer Science: At least 24 hours of computer science.

Computer Science and Mathematics: At least 24 hours of computer science and Mathematics 315C, 333L, and 375D.

Mathematics, Physical Science, and Engineering certification: All courses must be majors level.

For Engineering majors: Mathematics 315C, 333L, and 375D, Physics 303K and 105M, Physics 303L and 105N, and Chemistry 301.

For Mathematics majors: Physics 301 and 101L, Physics 316 and 116L, Physics 315 and 115L, Chemistry 301, 302, and 204, Engineering Studies 301, Mechanical Engineering 377K.

For Chemistry majors: Mathematics 315C, 427J or 427K, Mathematics 333L, and 375D, Physics 301 and 101L, Physics 316 and Physics 116L 315 and 115L, Engineering Studies 301, and Mechanical Engineering 377K.

3. Successful passing of final teaching portfolio review, conducted by the UTeach Program in Natural Sciences

## UTeach Accelerate Track

The UTeach Accelerate track is limited to degree-holders, and seniors with no more than two (2) long semesters left to earn the undergraduate degree. In addition to admission to The University of Texas at Austin, students must be accepted into the UTeach Accelerate program. The application requires the following:

- application form
- resume
- two letters of recommendation
- transcript
- essay
- interview

The following coursework is required, with grades of at least C-:

Requirements	Hours
One of the following courses:	3
BIO 337 Selected Topics in Biology (Topic 2: Research Methods: UTeach)	
CH 368 Advanced Topics in Chemistry (Topic 1: Research Methods: UTeach)	
PHY 341 Selected Topics in Physics (Topic 7: Research Methods: UTeach)	
HIS 329U Perspectives on Science and Mathematics	
or PHL 329U Perspectives on Science and Mathematics	
Eighteen hours of professional development coursework consisting of the following:	18
UTS 211 Secondary Teacher Education Prep: Advanced Steps	
EDC 365C Knowing and Learning in Math and Science	
or UTS 350 Knowing and Learning in Math and Science	
EDC 665 Classroom Interactions and Project Based Instruction	
EDC 651S Secondary School Teaching Practicum (Topic 3: Secondary School Teaching Practicum: Math or Topic 4: Secondary School Teaching Practicum: Science)	
UTS 170 Student Teaching Seminar	

In addition, students must meet the following requirements to graduate and be recommended for certification:

1. University grade point average of at least 2.50.
2. Successful completion of secondary teacher certification and identified discipline specific content courses with a grade of at least C-. Lists of the required content courses and additional certification requirements are available in the UTeach-Natural Sciences office and online.
3. Pass the T-TESS evaluation protocol.

### Special Requirements

Students who successfully complete this certificate may be eligible for recommendation for state teaching certification if they have met

all professional development and discipline specific content courses. Students seeking middle grades certification must also complete the following courses with grades of at least C-: Educational Psychology 350G or Psychology 301 and 304; and Curriculum and Instruction 339E.

The courses required for all teacher certifications include a minimum of 30 field-based experience (FBE) hours prior to the clinical teaching experience. All students in the field experience courses (UTeach-Natural Sciences 101, 110, 211, Curriculum and Instruction 365C, 365D, 365E, 665 and 651S) are observed by and received feedback from highly-qualified Professors of Practice and select in-service educators throughout each semester. Students must pass the field experience in order to pass these courses. During clinical teaching (UTeach-Natural Sciences 170, Curriculum and Instruction 651S), supervision and feedback are provided by Professors of Practice, field supervisors, and the cooperating teacher.

Information about additional certification requirements is available from the UTeach-Natural Sciences academic advisor.

State of Texas teacher certification requirements are governed by the Texas Education Agency and are subject to change. Students must adhere to current teacher certification requirements, even if they differ from those listed in the University catalogs.

## Courses, College of Natural Sciences

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed at the college level: [Natural Sciences \(NSC\)](#) and [UTeach-Natural Sciences \(UTS\)](#).

For courses offered by each department within the College of Natural Sciences, please see the corresponding department page in the following sections.

## Courses, Department of Astronomy

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Astronomy: [Astronomy \(AST\)](#).

## Courses, Biology Instruction Office

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Biology Instruction Office: [Biology \(BIO\)](#).

## Courses, Department of Chemistry

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Chemistry: [Chemistry \(CH\)](#).

## Courses, Department of Computer Science

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Computer Science: [Computer Science \(C.S.\)](#).

## Courses, School of Human Ecology

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Human Ecology: [Human Ecology \(H.E.\)](#) and [Public Health \(PBH\)](#).

The following fields of study are housed in the Department of Human Development and Family Sciences: [Human Development and Family Sciences \(HDF\)](#).

The following fields of study are housed in the Department of Nutritional Sciences: [Nutrition \(NTR\)](#).

The following fields of study are housed in the Division of Textiles and Apparel: [Textiles and Apparel \(TXA\)](#).

## Courses, Department of Marine Science

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Marine Science: [Marine Science \(MNS\)](#).

## Courses, Department of Mathematics

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Mathematics: [Actuarial Foundations \(ACF\)](#) and [Mathematics \(M\)](#).

## Courses, Department of Molecular Biosciences

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Molecular Biosciences: [Biochemistry \(BCH\)](#) and [Molecular Biology \(MOL\)](#).

## Courses, Department of Physics

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Physics: [Physical Science \(P.S.\)](#) and [Physics \(PHY\)](#).

## Courses, Department of Statistics and Data Sciences

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Statistics and Data Sciences: [Statistics and Data Sciences \(SDS\)](#).

## Courses, Department of Neuroscience

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Department of Neuroscience: [Neuroscience \(NEU\)](#).

## College of Natural Sciences Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Scott J. Aaronson, Professor  
David Bruton, Jr. Centennial Professorship in Computer Sciences #2  
Department of Computer Science  
PhD, University of California-Berkeley, 2004

Sarah Anne Abraham, Assistant Professor of Instruction  
Department of Computer Science  
PhD, University of Texas at Austin, 2015

Kerri L. Ackerly, Lecturer  
Department of Marine Science  
PhD, McGill University, 2017

Seema Agarwala, Associate Professor  
Department of Molecular Biosciences  
PhD, State University of New York at Stony Brook, 1990

Rania Agrawal, Specialist  
Biology Instruction Office  
BS, University of Texas at Austin, 2021

Aditya Akella, Professor  
Regents Chair in Computer Sciences #1  
Department of Computer Science  
PhD, Carnegie Mellon University, 2005

Liliana A. Alba, Assistant Professor of Instruction  
College of Natural Sciences  
MEd, University of Texas at Austin, 2018

Richard W. Aldrich, Professor  
Karl Folkers Chair in Interdisciplinary Biomedical Research II  
Department of Neuroscience  
PhD, Stanford University, 1980

Francheska Catalina Alers Rojas, Lecturer  
Department of Human Development and Family Sciences  
PhD, University of Michigan-Ann Arbor, 2020

Daniel J. Allcock, Professor  
Department of Mathematics  
PhD, University of California-Berkeley, 1996

Kelli Rae Allen, Associate Professor of Practice  
UTeach-Natural Sciences  
MS, Pittsburg State University, 1998

Jose R. Alvarado, Assistant Professor  
Department of Physics  
PhD, Vrije Universiteit Amsterdam, 2013

Natalie Younok Ammon, Assistant Professor of Practice  
Department of Human Development and Family Sciences



PhD, University of Texas at Austin, 2011

Timothy R Andeen Jr, Associate Professor  
Department of Physics  
PhD, Northwestern University, 2008

Brian R Anderson, Assistant Professor of Instruction  
Department of Chemistry  
PhD, University of Texas at Austin, 1994

Eric V Anslyn, Professor  
Welch Regents Chair in Chemistry  
Department of Chemistry  
PhD, California Institute of Technology, 1988

Dean R Appling, Professor  
Department of Molecular Biosciences  
PhD, Vanderbilt University, 1981

Dhivya Arasappan, Assistant Professor of Practice  
College of Natural Sciences  
MS, Virginia Commonwealth University, 2007

Todd J Arbogast, Professor  
W. A. "Tex" Moncrief, Jr. Distinguished Professorship in Computational  
Engineering and Sciences - Applied Mathematics  
Department of Mathematics and Institute for Computational Engineering  
and Science  
PhD, University of Chicago, 1987

Connor Argentieri, Specialist  
Department of Chemistry  
BS, University of Texas at Austin, 2020

Taft E Armandroff, Professor  
Frank and Susan Bash Endowed Chair for the Director of McDonald  
Observatory  
Department of Astronomy  
PhD, Yale University, 1988

Carrie Michelle Arnold, Lecturer  
Department of Statistics and Data Sciences  
MS, Ball State University, 2009

Maria Mercedes Arredondo, Assistant Professor  
Department of Human Development and Family Sciences and  
Department of Psychology  
MS, University of Michigan-Ann Arbor, 2014

Nigel S Atkinson, Professor  
Department of Neuroscience  
PhD, Pennsylvania State University Main Campus, 1986

Michael Aubrey, Assistant Professor  
Department of Chemistry  
PhD, University of California-Berkeley, 2017

Jennifer Austin, Associate Professor of Instruction  
Department of Mathematics  
MS, Florida State University, 2002

William J Babler, Lecturer  
Biology Instruction Office  
PhD, University of Michigan-Ann Arbor, 1977

Joshua Dana Baer, Adjunct Assistant Professor  
Department of Computer Science  
BS, Carnegie Mellon University, 1999

Dia Nicholson Bagchi, Assistant Professor of Practice  
College of Natural Sciences  
PhD, University of Texas at Austin, 2016

Carlos R Baiz, Associate Professor  
Department of Chemistry  
PhD, University of Michigan-Ann Arbor, 2011

Chandrajit L Bajaj, Professor  
CAM Chair in Visualization  
Department of Computer Science and Institute for Computational  
Engineering and Science  
PhD, Cornell University, 1984

Brett J Baker, Associate Professor  
Department of Marine Science and Department of Integrative Biology  
Department of Marine Science and Department of Integrative Biology  
PhD, University of Michigan-Ann Arbor, 2014

Edoardo Baldini, Assistant Professor  
Department of Physics  
ScD, Swiss Federal Institute of Technology, Lausanne, 2017

Dana Harry Ballard, Professor  
Department of Computer Science and Department of Psychology  
PhD, University of California-Irvine, 1974

Zuzana Baranova, Assistant Professor of Instruction  
Department of Chemistry  
PhD, Texas A & M University, 2017

Matthew J Barnett, Specialist  
Biology Instruction Office and Department of Chemistry  
Biology Instruction Office and Department of Chemistry  
BS, University of Texas at Austin, 2018

Jeffrey E Barrick, Associate Professor  
Department of Molecular Biosciences  
PhD, Yale University, 2006

Suzanne S Barth, Associate Professor of Instruction  
Biology Instruction Office  
PhD, University of Texas at Austin, 1983

Jay Bartroff, Professor  
Department of Statistics and Data Sciences  
PhD, California Institute of Technology, 2004

Angela Chappell Beasley, Assistant Professor of Instruction  
Department of Computer Science  
MS, George Washington University, 2007

Josh T Beckham, Associate Professor of Practice  
College of Natural Sciences  
PhD, Vanderbilt University, 2008

William Beckner, Professor  
Paul V. Montgomery Centennial Memorial Professorship in Mathematics  
Department of Mathematics  
PhD, Princeton University, 1975

Vanessa Beltran, Lecturer  
Department of Nutritional Sciences  
MPH, Harvard University, 2021

David D Ben-Zvi, Professor  
Department of Mathematics  
PhD, Harvard University, 1999

Aprile D Benner, Associate Professor  
Department of Human Development and Family Sciences  
PhD, University of California-Los Angeles, 2007

Nolan Bradford Bentley, Lecturer  
Biology Instruction Office  
PhD, Texas A & M University, 2020

Danielle Amanda Berg, Assistant Professor  
Department of Astronomy  
PhD, University of Minnesota-Twin Cities, 2013

Mckenzie Gabriele Beverage, Lecturer  
College of Natural Sciences  
MPAff, Indiana University at Bloomington, 2010

Vertica Bhardwaj, Associate Professor of Instruction  
Division of Textiles and Apparel  
PhD, University of Tennessee, 2010

Kate Biberdorf, Associate Professor of Instruction  
Department of Chemistry  
PhD, University of Texas at Austin, 2014

Christopher Biggs, Assistant Professor of Instruction  
Department of Marine Science  
PhD, University of Texas at Austin, 2019

Joydeep Biswas, Assistant Professor  
Department of Computer Science  
PhD, Carnegie Mellon University, 2014

George D Bittner, Professor  
Department of Neuroscience  
PhD, Stanford University, 1967

Kirk D Blazek, Assistant Professor of Instruction  
Department of Mathematics and Department of Economics  
PhD, University of Washington - Seattle, 2006

Lauren Alexandra Blondeau, Assistant Professor of Instruction  
Department of Statistics and Data Sciences  
PhD, University of Texas at Austin, 2014

Andrew Justin Blumberg, Adjunct Professor  
Department of Mathematics  
PhD, University of Chicago, 2005

Kimberly Kay Boddy, Assistant Professor  
Department of Physics  
PhD, California Institute of Technology, 2014

Daniel I Bolnick, Adjunct Professor  
Department of Integrative Biology  
PhD, University of California-Davis, 2003

Lesli W Bordas, Professor of Instruction  
Department of Chemistry  
PhD, University of Georgia, 2000

James Bornholt, Assistant Professor  
Department of Computer Science  
PhD, University of Washington - Seattle, 2019

Lewis P Bowen, Professor  
Department of Mathematics  
PhD, University of Texas at Austin, 2002

Brendan Peter Bowler, Assistant Professor  
Department of Astronomy

PhD, University of Hawaii at Manoa, 2013

Michael Boylan-Kolchin, Associate Professor  
Department of Astronomy  
PhD, University of California-Berkeley, 2006

Elizabeth J Bradbury, Assistant Professor of Instruction  
Biology Instruction Office  
PhD, University of Wisconsin-Madison, 2014

Darrin H Brager, Research Associate Professor  
Department of Neuroscience  
PhD, University of Maryland Baltimore, 2002

Simon J Brandl, Assistant Professor  
Department of Marine Science  
PhD, James Cook University, 2016

Molly S Bray, Professor  
Susan T. Jastrow Human Ecology Chair for Excellence in Nutritional Sciences  
Department of Nutritional Sciences and Department of Pediatrics  
PhD, University of Texas Health Science Center at Houston, 1998

Boris Breizman, Research Professor  
Institute for Fusion Studies and Department of Physics  
PhD, Budker Institute of Nuclear Physics, 1978

Jordan Briggs, Specialist  
Biology Instruction Office  
BS, University of Texas at Austin, 2021

Jennifer S Brodbelt, Professor  
Rowland Pettit Centennial Chair in Chemistry, Larry R. Faulkner  
Departmental Chair for Excellence in Chemistry and Biochemistry  
Department of Chemistry and Department of Oncology  
PhD, Purdue University Main Campus, 1988

Volker Bromm, Professor  
Josey Centennial Professorship in Astronomy  
Department of Astronomy  
PhD, Yale University, 2000

Karen S Browning, Professor  
Department of Molecular Biosciences  
PhD, University of Illinois at Urbana-Champaign, 1980

Katherine M Bruner, Assistant Professor of Instruction  
Biology Instruction Office  
PhD, Johns Hopkins University, 2017

Amy E Bryan, Associate Professor of Practice  
Department of Human Development and Family Sciences  
PhD, University of Texas at Austin, 2010

Jacob C Buckles, Specialist  
Biology Instruction Office  
BS, University of Texas at Austin, 2020

Deanna Buckley, Associate Professor of Practice  
UTeach-Natural Sciences  
PhD, University of Texas at Austin, 2010

William C Bulko, Assistant Professor of Instruction  
Department of Computer Science  
PhD, University of Texas at Austin, 1989

Marissa Burgermaster, Assistant Professor

Department of Nutritional Sciences and Department of Population Health  
PhD, Columbia University in the City of New York, 2015

ASHAY BURUNGAL, Assistant Professor  
Department of Mathematics  
PhD, University of California-Los Angeles, 2015

Edward J Buskey, Professor  
Nancy Lee and Perry R. Bass Regents Chair in Marine Science  
Department of Marine Science  
PhD, University of Rhode Island, 1983

Ruth E Buskirk, Professor of Instruction  
Biology Instruction Office  
PhD, University of California-Davis, 1972

Angelique N Butler, Specialist  
Biology Instruction Office  
BA, University of Texas at Austin, 2019

Elena Caceres, Associate Professor  
Department of Physics  
PhD, University of Texas at Austin, 1996

Luis A Caffarelli, Professor  
Sid W. Richardson Foundation Regents Chair in Mathematics #1  
Department of Mathematics  
PhD, University of Buenos Aires, 1972

Catherine Calder, Professor  
Department of Statistics and Data Sciences  
PhD, Duke University, 2003

Cassandra E Callmann, Assistant Professor  
Department of Chemistry  
PhD, University of California-San Diego, 2018

Eric D Cambronne, Associate Professor of Instruction  
Biology Instruction Office  
PhD, University of California-Los Angeles, 2004

Xiaolu Cambronne, Assistant Professor  
Department of Molecular Biosciences  
PhD, Harvard University, 2009

Brandon Emilio Campitelli, Clinical Assistant Professor  
College of Natural Sciences  
PhD, University of Toronto, 2013

David Cannatella, Professor  
Department of Integrative Biology  
PhD, University of Kansas Main Campus, 1986

Caitlin M Casey, Associate Professor  
Department of Astronomy  
PhD, University of Cambridge, 2011

Jordan Casey, Assistant Professor  
Department of Marine Science  
PhD, James Cook University, 2015

Matthew Cawood, Lecturer  
Department of Statistics and Data Sciences  
MS, University of Cape Town, 2014

Can Cenik, Assistant Professor  
Department of Molecular Biosciences  
PhD, Harvard University, 2012

Gustavo E Cepparo, Associate Professor of Instruction  
Department of Mathematics  
MS, Kansas State University, 1999

Wenrui Chai, Assistant Professor of Practice  
College of Natural Sciences  
PhD, University of Texas at Austin, 2019

Clarence Shiu Man Chan, Associate Professor  
Department of Molecular Biosciences  
PhD, Cornell University, 1985

Jessica H Chancey, Lecturer  
Biology Instruction Office  
PhD, University of Alabama at Birmingham, 2013

Anna Michelle Chaney, Assistant Professor of Instruction  
Department of Computer Science  
MS, University of Arizona, 2002

Siddhartha Chatterjee, Professor of Instruction  
Department of Computer Science  
PhD, Carnegie Mellon University, 1991

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Department of Computer Science  
PhD, University of Pennsylvania, 2007

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Professorship in Computer Sciences #2  
Department of Computer Science  
PhD, Carnegie Mellon University, 2005

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Department of Chemical Engineering, Department of Physics, and  
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PhD, University of California-Berkeley, 1975

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PhD, University of Leeds, 1995

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Department of Mathematics  
MA, University of Wisconsin-Madison, 2016

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Department of Mathematics  
MS, University of Chicago, 2015

Thomas Chen, Professor  
Department of Mathematics  
PhD, Swiss Federal Institute of Technology, 2001

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UTeach-Natural Sciences and Department of Physics  
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John Chisholm, Assistant Professor  
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PhD, University of Wisconsin-Milwaukee, 2016

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Department of Computer Science  
MS, University of Washington - Seattle, 2015

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Department of Mathematics  
PhD, Princeton University, 2006

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Department of Mathematics  
PhD, McGill University, 1992

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College of Natural Sciences and Biology Instruction Office  
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PhD, University of Texas at Austin, 1992

William D Cochran, Research Professor  
McDonald Observatory and Department of Astronomy  
PhD, Princeton University, 1976

Shirley Cohen, Adjunct Assistant Professor  
Department of Computer Science  
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William R Coker, Professor  
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PhD, University of Georgia, 1966

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Department of Statistics and Data Sciences and Department of  
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PhD, University of Texas at Austin, 2010

Christopher Scott Connelly, Assistant Professor of Instruction  
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MEd, University of Texas at Austin, 2006

Roman Corfas, Assistant Professor of Instruction  
Department of Neuroscience  
PhD, Rockefeller University, 2016

Sara Louise Corson, Assistant Professor of Instruction  
College of Natural Sciences  
PhD, University of Virginia, 2011

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Department of Mathematics  
PhD, University of Texas at Austin, 2015

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The Robert A. Welch Chair in Chemistry (Materials Chemistry)  
Department of Chemistry  
PhD, University of Texas at Austin, 1987

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Department of Mathematics  
PhD, Carnegie Mellon University, 2006

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Biology Instruction Office  
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Department of Mathematics  
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EdD, Walden University, 2007

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Department of Molecular Biosciences and Department of Medical  
Education  
PhD, Massachusetts Institute of Technology, 2008

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2018

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PhD, University of Texas Health Science Center at San Antonio, 2001

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Department of Mathematics  
PhD, University of Maryland College Park, 2016

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PhD, University of California-Berkeley, 2010

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Gottesman Family Centennial Professorship in Computer Sciences  
Department of Computer Science and Department of Mathematics  
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PhD, Stanford University, 2011

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Department of Astronomy  
PhD, University of California-Santa Cruz, 1980

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College of Natural Sciences  
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Jacques Distler, Professor  
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PhD, Oregon Health and Science University, 2012

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Professorship in Physics #2  
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PhD, Columbia University in the City of New York, 2004

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PhD, Stanford University, 2002

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PhD, Radboud Universiteit Nijmegen, 1990

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MEE, University of Maryland Baltimore County, 2018

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Wilson M. and Kathryn Fraser Research Professorship in Biochemistry  
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PhD, Vrije Universiteit Brussel, 1976

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PhD, New Mexico Institute of Mining and Technology, 1998

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Margaret McKean Love Chair in Nutrition, Cellular and Molecular Sciences  
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PhD, Cornell University, 1988

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PhD, Technische Universitat Munchen/Munich, 1995

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BS, University of Texas at Austin, 2021

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MD, Boston University, 1987

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PhD, Duke University, 1978

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Department of Computer Science  
PhD, University of Texas at El Paso, 2005

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Department of Chemistry  
BS, Lawrence University, 2020

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College of Natural Sciences  
PhD, University of Texas at Austin, 2000

Daniel S Freed, Professor  
Mildred Caldwell and Baine Perkins Kerr Centennial Professorship in Mathematics  
Department of Mathematics  
PhD, University of California-Berkeley, 1985

Jeanne H Freeland-Graves, Professor  
Bess Heflin Centennial Professorship in Nutritional Sciences  
Department of Nutritional Sciences  
PhD, Rutgers the State University of New Jersey New Brunswick Campus, 1975

Katherine Freese, Professor  
Jeff and Gail Kodosky Endowed Chair in Physics

Department of Physics  
PhD, University of Chicago, 1984

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Biology Instruction Office  
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Department of Chemistry  
BS, Northeastern Illinois University, 2015

Montserrat Fuentes, Adjunct Professor  
Department of Statistics and Data Sciences  
PhD, University of Chicago, 1998

Lee A Fuiman, Professor  
Perry R. Bass Chair in Fisheries and Mariculture  
Department of Marine Science and Department of Integrative Biology  
PhD, University of Michigan-Ann Arbor, 1983

Donald S Fussell, Professor  
Trammell Crow Regents Professorship in Computer Science  
Department of Computer Science and Department of Electrical and  
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PhD, University of Texas at Dallas, 1980

Anna Gal, Professor  
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PhD, University of Chicago, 1995

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W. A. "Tex" Moncrief, Jr. Chair in Computational Engineering and  
Sciences III  
Department of Mathematics and Institute for Computational Engineering  
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PhD, University of Chicago, 1989

Karl Gebhardt, Professor  
Herman and Joan Suit Professorship in Astrophysics  
Department of Astronomy  
PhD, Rutgers the State University of New Jersey New Brunswick  
Campus, 1994

Kenneth W Gentle, Professor  
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PhD, Massachusetts Institute of Technology, 1966

George Georgiou, Professor  
Dula D. Cockrell Centennial Chair in Engineering #2  
Department of Chemical Engineering, Department of Biomedical  
Engineering, Department of Molecular Biosciences, and Department of  
Oncology  
PhD, Cornell University, 1987

Elizabeth Thompson Gershoff, Professor  
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Department of Human Development and Family Sciences and  
Department of Sociology  
PhD, University of Texas at Austin, 1998

Ahmed Gheith, Adjunct Professor  
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PhD, Georgia Institute of Technology, 1990

Luisa F Gil Fandino, Assistant Professor of Instruction  
Division of Textiles and Apparel  
MA, Nottingham Trent University, 2011

Lawrence E Gilbert, Professor  
Department of Integrative Biology  
PhD, Stanford University, 1971

Ryan Reed Gillespie, Specialist  
Biology Instruction Office  
BS, Westminster College (Utah), 2002

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W.A. "Tex" Moncrief, Jr. Endowment in Simulation-Based Engineering and  
Sciences - Endowed Chair No. 6  
Department of Physics  
PhD, Swiss Federal Institute of Technology, Lausanne, 2005

Marci Elizabeth Joy Gleason, Associate Professor  
Department of Human Development and Family Sciences  
PhD, New York University, 2004

Paul Goldbart, Adjunct Professor  
Department of Physics  
PhD, Imperial College London, 1985

Nace L Golding, Professor  
Department of Neuroscience  
PhD, University of Wisconsin-Madison, 1996

Marcel Goldschen, Assistant Professor  
Department of Neuroscience  
PhD, University of Wisconsin-Madison, 2009

Antonio Gonzalez III, Associate Professor of Practice  
College of Natural Sciences  
PhD, University of Texas at Austin, 2008

Laura I Gonzalez, Assistant Professor of Instruction  
Biology Instruction Office and College of Natural Sciences  
PhD, University of New Mexico Main Campus, 1998

Oscar Gonzalez, Professor  
Department of Mathematics  
PhD, Stanford University, 1996

Sonia K Gonzalez, Assistant Professor of Instruction  
School of Human Ecology  
PhD, City University of New York Graduate Center, 2018

Cameron M Gordon, Professor  
Sid W. Richardson Foundation Regents Chair in Mathematics #2  
Department of Mathematics  
PhD, University of Cambridge, 1971

Vernita Gordon, Associate Professor  
Department of Physics  
PhD, Harvard University, 2003

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Department of Chemistry  
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Professorship in Computer Sciences #4  
Department of Computer Science and Applied Research Laboratories  
PhD, Massachusetts Institute of Technology, 2006

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Department of Nutritional Sciences and Department of Pediatrics  
PhD, University of Texas at Austin, 2009

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Department of Integrative Biology  
PhD, University of Tennessee, 1977

Jeffrey Martin Gross, Professor  
Department of Molecular Biosciences  
PhD, Duke University, 2002

Maria Pia Pia Gualdani, Associate Professor  
Department of Mathematics  
PhD, Johannes Gutenberg Universitat Mainz, 2005

Joseph Guerrero, Specialist  
Department of Chemistry  
MS, University of Texas at Austin, 2020

Tonia Floramaria Guida, Assistant Professor of Instruction  
College of Natural Sciences  
PhD, University of California-Los Angeles, 2020

Naren Gundapaneni, Specialist  
Biology Instruction Office  
BA, University of Texas at Austin, 2021

Layla Guyot, Lecturer  
Department of Statistics and Data Sciences  
PhD, Texas State University, 2020

Marvin L Hackert, Professor  
William Shive Centennial Professorship in Biochemistry  
Office of the Vice Provost and Dean of Graduate Studies and Department  
of Molecular Biosciences  
PhD, Iowa State University, 1970

Ronny Hadani, Associate Professor  
Department of Mathematics  
PhD, Tel Aviv University, 2006

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Department of Mathematics  
PhD, University of Iowa, 2010

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Biology Instruction Office  
BS, Baylor University, 1998

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Biology Instruction Office  
PhD, Wake Forest University, 2007

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Department of Computer Science  
PhD, University of Texas at Austin, 2011

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MS, University of Massachusetts Boston, 2017

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College of Natural Sciences and Biology Instruction Office  
PhD, University of Texas at Austin, 2004

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Biology Instruction Office  
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PhD, Stanford University, 2018

Shinko K Harper, Associate Professor of Instruction  
Department of Mathematics  
PhD, University of Texas at Austin, 1997

Kristen M Harris, Professor  
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PhD, Indian Institute of Science - Bangalore, 1977

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PhD, Yale University, 2014

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David Harwath, Assistant Professor  
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PhD, Massachusetts Institute of Technology, 2018

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Department of Physics  
DSc, University of Wisconsin-Madison, 2010

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Department of Integrative Biology  
PhD, Auburn University, 2014

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PhD, University of Pennsylvania, 2000

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Department of Astronomy  
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Department of Nutritional Sciences  
MA, University of Texas at Austin, 2012

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PhD, University of Minnesota-Twin Cities, 1979

Juncai He, Instructor  
Department of Mathematics  
PhD, Peking University, 2019

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College of Natural Sciences  
PhD, University of North Carolina at Chapel Hill, 2017

Bjorn Hegelich, Associate Professor  
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PhD, Ludwig-Maximilians-Universität München, 2002

Daniel J Heinzen, Professor  
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Raymond C Heitmann, Professor  
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Graeme Andrew Henkelman, Professor  
George W. Watt Centennial Professorship  
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PhD, University of Washington - Seattle, 2001

Thushani Herath, Assistant Professor of Instruction  
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Gary J Hill, Research Professor  
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Benjamin Clayton Centennial Professorship in Biochemistry  
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PhD, Stanford University, 2001

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Department of Astronomy and Office of the Vice President for Research  
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Joe B. and Louise Cook Professorship in Mathematics  
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Professorship in Computer Sciences #3  
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Texas Atomic Energy Research Foundation Professorship  
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PhD, Cornell University, 1993

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Kanthimathi Sathasivan, Assistant Professor of Instruction  
Department of Mathematics  
PhD, University of Texas at Austin, 2011

Michail Savvas, Instructor  
Department of Mathematics  
PhD, Stanford University, 2018

Inder M Saxena, Assistant Professor of Instruction  
Biology Instruction Office  
PhD, Jawaharlal Nehru University, 1984

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Biology Instruction Office  
PhD, University of Texas Health Science Center at Houston, 2013

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Department of Chemistry  
BS, University of Texas at Austin, 2020

James G Scott, Professor  
Fayez Sarofim & Co. Centennial Professorship in Business  
Department of Information, Risk, and Operations Management and  
Department of Statistics and Data Sciences  
PhD, Duke University, 2009

Michael D Scott, Professor of Instruction  
Department of Computer Science  
MS, Rensselaer Polytechnic Institute, 1998

Brian E Sedio, Assistant Professor  
Department of Integrative Biology  
PhD, University of Michigan-Ann Arbor, 2013

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Department of Mathematics  
PhD, University of Chicago, 2019

Eyal Seidemann, Professor  
Department of Psychology and Department of Neuroscience  
PhD, Stanford University, 1998

Bart David Semeraro, Lecturer  
Department of Statistics and Data Sciences and Department of  
Computer Science  
PhD, University of Illinois at Urbana-Champaign, 1992

Eric Senning, Assistant Professor  
Department of Neuroscience  
PhD, University of Oregon, 2009

Jonathan L Sessler, Professor  
R. P. Doherty, Jr. - Welch Regents Chair in Chemistry  
Department of Chemistry  
PhD, Stanford University, 1982

Shagufta Hasnain Shabbir, Associate Professor of Instruction  
Department of Chemistry  
PhD, University of Texas at Austin, 2009

Hovav Shacham, Professor  
Professorship in Computer Sciences #5

Department of Computer Science  
PhD, Stanford University, 2005

Paul R Shapiro, Professor  
Frank N. Edmonds, Jr. Regents Professorship in Astronomy  
Department of Astronomy  
PhD, Harvard University, 1978

Jason B Shear, Professor  
Department of Chemistry  
PhD, Stanford University, 1994

Ruth I Shear, Professor of Practice  
College of Natural Sciences and Department of Chemistry  
PhD, Griffith University, 1991

Chih-Kang Shih, Professor  
Dr. Arnold Romberg Endowed Chair in Physics  
Department of Physics  
PhD, Stanford University, 1988

Frank T Shirley, Assistant Professor of Instruction  
Department of Mathematics  
PhD, University of Texas at Austin, 1984

Deirdre Shoemaker, Professor  
Professorship in Physics #1  
Department of Physics  
PhD, University of Texas at Austin, 1999

Christopher Shriver, Instructor  
Department of Mathematics  
BS, Yale University, 2016

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Biology Instruction Office  
BS, University of Texas at Austin, 2021

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Department of Physics  
PhD, Massachusetts Institute of Technology, 1995

Bernd Siebert, Professor  
Sid W. Richardson Foundation Regents Chair in Mathematics #4  
Department of Mathematics  
PhD, Georg-August Universitat, 1992

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Biology Instruction Office  
BA&S, University of Texas at Austin, 2020

Mihai Sirbu, Professor  
Department of Mathematics  
PhD, Carnegie Mellon University, 2004

Greg O Sitz, Professor  
Department of Physics  
PhD, Stanford University, 1987

Paola Sotelo, Assistant Professor of Instruction  
Department of Chemistry  
PhD, University of Texas at Arlington, 2019

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PhD, University of Texas at Austin, 1999

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Office of the Vice President for Research and Department of Statistics  
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PhD, Clemson University, 2000

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Department of Mathematics  
PhD, University of Wisconsin-Madison, 1974

Eric J Staron, Assistant Professor of Instruction  
Department of Mathematics  
PhD, University of Texas at Austin, 2012

Florian Stecker, Instructor  
Department of Mathematics  
MS, Ludwig-Maximilians-Universitat Munchen, 2015

German Stefanich, Instructor  
Department of Mathematics  
PhD, University of California-Berkeley, 2021

David S Stein, Professor  
Department of Molecular Biosciences  
PhD, Stanford University, 1989

Elizabeth F Stepp, Associate Professor of Instruction  
Department of Mathematics  
PhD, University of Kentucky, 2005

Scott W Stevens, Associate Professor  
Department of Molecular Biosciences  
PhD, University of North Carolina at Chapel Hill, 1996

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Division of Textiles and Apparel  
MS, University of Texas at Austin, 2012

Everett M Stone, Research Associate Professor  
Department of Molecular Biosciences and Department of Oncology  
PhD, University of Texas at Austin, 2006

Peter H Stone, Professor  
David Bruton, Jr. Centennial Professorship in Computer Sciences #3  
Department of Computer Science  
PhD, Carnegie Mellon University, 1998

Gwendolyn M Stovall, Assistant Professor of Practice  
College of Natural Sciences  
PhD, University of Texas at Austin, 2011

Andrei Straumanis, Associate Professor of Instruction  
Department of Chemistry  
PhD, Stanford University, 1998

John Rudi Strickler, Adjunct Professor  
Department of Marine Science  
PhD, Swiss Federal Institute of Technology, 1969

Thomas Struppeck, Assistant Professor of Instruction  
Department of Mathematics  
PhD, University of Texas at Austin, 1989

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Biology Instruction Office

BS, University of Texas at Austin, 2017

Christopher S Sullivan, Professor  
Department of Molecular Biosciences  
PhD, University of Pittsburgh, Pittsburgh Campus, 2000

Sibum Sung, Associate Professor  
Department of Molecular Biosciences  
PhD, University of Wisconsin-Madison, 2004

Sara Johnson Sweitzer, Associate Professor of Instruction  
Department of Nutritional Sciences  
PhD, University of Texas at Austin, 2009

Anna Szczekutowicz, Assistant Professor of Instruction  
Department of Mathematics  
BS, Rutgers the State University of New Jersey New Brunswick Campus,  
2014

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MA, St Edward's University, 2019

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PhD, Rockefeller University, 2012

Dominique Tan, Specialist  
Department of Chemistry  
BS, University of Texas at Austin, 2021

Ariel Jolishia Taylor, Assistant Professor of Practice  
UTeach-Natural Sciences  
EdD, University of Houston, 2017

David William Taylor Jr, Assistant Professor  
Department of Molecular Biosciences  
PhD, Yale University, 2013

Melissa A Taylor, Specialist  
College of Natural Sciences  
MEd, University of Texas at Austin, 2012

Richard A Taylor, Clinical Assistant Professor  
School of Human Ecology  
PhD, University of South Florida, 2003

Anna Tenerani, Assistant Professor  
Department of Physics  
PhD, Universite de Paris VI, Pierre et Marie Curie, 2012

Kia Teymourian, Assistant Professor of Instruction  
Department of Computer Science  
PhD, Free University of Berlin, 2014

Edward C Theriot, Professor  
Harold C. and Mary D. Bold Regents Professorship of Cryptogamic  
Botany (Phycology)  
Department of Integrative Biology  
PhD, University of Michigan-Ann Arbor, 1983

Ann Thijs, Assistant Professor of Instruction  
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Devarajan Thirumalai, Professor  
Marvin K. Collie-Welch Regents Chair in Chemistry  
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PhD, University of Minnesota-Twin Cities, 1982

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PhD, University of Leicester, 1978

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School of Human Ecology  
MPH, Michigan State University, East Lansing, 2020

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PhD, Ohio State U Main Campus, 2006

Paul K Toprac, Professor of Instruction  
School of Design and Creative Technologies and Department of  
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PhD, University of Texas at Austin, 2008

Aida Torabi, Lecturer  
Department of Physics  
DSc, University of Houston, 2016

Keiko Torii, Professor  
Johnson & Johnson Centennial Chair in Plant Cell Biology  
Department of Molecular Biosciences  
PhD, Univ of Tsukuba, 1993

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Department of Mathematics  
PhD, University of California-Berkeley, 2013

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Department of Mathematics and Lyndon B Johnson School of Public  
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PhD, University of California-Berkeley, 1985

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MSInfoStds, University of Texas at Austin, 2013

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Department of Mathematics  
PhD, University of California-Los Angeles, 2002

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Department of Mathematics  
PhD, The National Academy of Sciences of Belarus, 1998

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PhD, Universitat Konstanz, 1998

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PhD, University of Queensland, 2021

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PhD, University of Texas at Austin, 1995

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PhD, Northwestern University, 2010

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John T. Stuart III Centennial Professorship in Mathematics  
Department of Mathematics  
PhD, Universite de Paris VI, Pierre et Marie Curie, 1999

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PhD, Iowa State University, 2020

Vijaychidambaram Velayudhan Pillai, Assistant Professor  
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PhD, University of Wisconsin Colleges, 2013

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PhD, Universidad Politecnica de Valencia, 2007

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MPhil, Yale University, 2018

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Department of Statistics and Data Sciences  
PhD, Emory University, 1999

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MBA, University of Texas at Austin, 2012

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PhD, Columbia University in the City of New York, 2011

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BS, University of Texas at Austin, 2014

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PhD, Imperial College of Science, Technology and Medicine, University of London, 1995

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PhD, Princeton University, 2009

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PhD, Princeton University, 2004

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Department of Chemistry  
PhD, California Institute of Technology, 2005

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MEd, University of Texas at Austin, 1989

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PsyD, University of Pennsylvania, 2015

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Department of Chemistry  
BS, University of Texas at Austin, 2018

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Department of Molecular Biosciences  
PhD, Universite de Paris XI, Paris-Sud, 2010

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Department of Mathematics  
MA, University of Texas at Austin, 2005

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Department of Neuroscience and Biology Instruction Office  
PhD, University of California-San Diego, 2008

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PhD, University of North Carolina at Chapel Hill, 2012

Thilini Wijesekera, Assistant Professor of Practice

College of Natural Sciences  
PhD, University of Houston, 2013

Rebecca A Wilcox, Assistant Professor of Instruction  
College of Natural Sciences  
PhD, University of Texas at Austin, 2009

Claus O Wilke, Professor  
Jane and Roland Blumberg Centennial Professorship in Molecular Evolution  
Department of Integrative Biology and Department of Statistics and Data Sciences  
PhD, Ruhr-Universität Bochum, 1999

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Department of Mathematics  
MS, University of Wisconsin-Milwaukee, 2013

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PhD, University of California-Los Angeles, 2017

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Department of Statistics and Data Sciences  
PhD, University of Cambridge, 2012

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PhD, University of North Carolina at Greensboro, 2018

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Harlan J. Smith Centennial Professorship in Astronomy  
Department of Astronomy  
PhD, University of Rochester, 1982

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MS, University of Nebraska - Lincoln, 1990

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PhD, Stanford University, 2011

Matthew Worden, Assistant Professor of Instruction  
Department of Chemistry  
PhD, Kent State University Main Campus, 2015

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PhD, Carnegie Mellon University, 2016

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PhD, Université de Paris VII, Denis Diderot, 2006

Weijia Xu, Lecturer  
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PhD, University of Texas at Austin, 2006

Soo Hyun Yang, Assistant Professor of Practice  
College of Natural Sciences  
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PhD, Harvard University, 1997

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PhD, University of Washington - Seattle, 1996

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Biology Instruction Office  
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Thaleia Zariphopoulou, Professor  
Chair in Mathematics, V. F. Neuhaus Centennial Professorship in Finance  
Department of Mathematics and Department of Information, Risk, and Operations Management  
PhD, Brown University, 1989

Boris Zemelman, Associate Professor  
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PhD, Stanford University, 1997

Yan Zhang, Professor  
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PhD, The Scripps Research Institute, 2004

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PhD, University of California-Los Angeles, 2010

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PhD, California Institute of Technology, 2013

Gordan Zitkovic, Professor  
Department of Mathematics  
PhD, Columbia University in the City of New York, 2003

Cynthia Zoski, Research Professor  
Department of Chemistry  
PhD, Queens University, 1985

David I Zuckerman, Professor  
Professorship in Computer Sciences #1  
Department of Computer Science  
PhD, University of California-Berkeley, 1991

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PhD, University of Illinois at Urbana-Champaign, 2013

## School of Nursing

Alexa K. Stuijbergen, PhD, RN, *Dean*  
Sharon D. Horner, PhD, RN, *Associate Dean, Research*  
Gayle M. Timmerman, PhD, RN, *Senior Associate Dean, Academic Affairs*  
Vinh T. Nguyen, PhD, *Associate Dean, Student Services*  
Alexandra A. Garcia, PhD, RN, *Assistant Dean, Graduate Programs*  
Ana T. Todd, PhD, RN, *Assistant Dean, Undergraduate Programs*  
Margaret K. Hill, MA, MDiv, *Assistant Dean, Administration*  
<http://www.nursing.utexas.edu>

## General Information

### Mission

The purpose of the School of Nursing is to achieve excellence in undergraduate and graduate education, research, public service, and to advance the missions of The University of Texas at Austin through:

- Preparing students at the baccalaureate level to assume roles in professional nursing practice.
- Preparing students at the graduate level to assume leadership in practice, education, and research.
- Promoting excellence in nursing scholarship.
- Advancing the health of the public through developing and disseminating new knowledge about health, health care, and health care delivery through scholarly inquiry.
- Providing consultation, health care programs, and health care services in response to emerging and urgent public health needs.

### History

The University of Texas School of Nursing, established in Galveston in 1890 as the John Sealy Hospital Training School for Nurses, is one of the oldest schools of nursing in the Southwest. In 1896 it was transferred to the University of Texas and became the School of Nursing, a division of the Medical Branch, with the diploma granted by the University. In addition to the diploma course, a curriculum leading to the degree of Bachelor of Science in Nursing was established in 1923 in cooperation with the College of Arts and Sciences of the Main University in Austin. In 1932 the School of Nursing was renamed the John Sealy College of Nursing. The degree program was transferred to the college in 1943.

With the financial support of the Texas Graduate Nursing Association, graduate courses in nursing were first offered in 1930 in the Department of Physical and Health Education at the Main University. In 1940, a complete curriculum was established leading to the degree of Bachelor of Science in Nursing Education. In 1945, the curriculum was transferred to the Medical Branch administration, bringing the John Sealy College

of Nursing and the new Department of Nursing Education together to form the School of Nursing with its own dean. In 1949, a curriculum leading to the degree of Bachelor of Science in Nursing was established for graduates of diploma programs. The last class of students enrolled in the diploma program was admitted to the School of Nursing in 1957; since that time the school has offered a single program leading to the Bachelor of Science in Nursing.

Funding from the W. K. Kellogg Foundation provided for a program leading to the Master of Science in Nursing with a major in nursing administration, first offered in 1952. Participating in the program of the Southern Regional Education Board for graduate education in nursing, the School of Nursing offered additional specialization in 1955. At that time the name of the school was changed to the University of Texas Medical Branch School of Nursing.

In the fall of 1960, The University of Texas at Austin became an extension campus of the School of Nursing, which was still located in Galveston, and nursing courses were offered on the Austin campus for the first time. The School of Nursing was reorganized in 1967 as The University of Texas Nursing School (System-wide) and administrative offices were moved to Austin. The school was renamed The University of Texas System School of Nursing in 1972. Junior- and senior-level nursing courses were offered in Austin, El Paso, Fort Worth, Galveston, Houston, and San Antonio.

On March 26, 1976, the Board of Regents of The University of Texas System voted to reorganize the schools of nursing in the system and to place each school under the administration of the president of the health science center or academic institution nearest it. On September 1, 1976, the School of Nursing at Austin became a part of The University of Texas at Austin.

The Doctor of Philosophy degree in nursing, focused on preparing nurse researchers, was initiated in 1974. Nursing faculty members conduct research on a wide variety of topics. Since 2002, the School of Nursing has been ranked among the top institutions in research funding received from the National Institutes of Health. In 2016, the Doctor of Nursing Practice program was initiated as an Option III program.

### Facilities

The 110,008-square-foot, five-story Nursing School building houses administrative, faculty, staff, and research offices, as well as large and small classrooms and seminar and conference rooms. Also located in the building are the Cain Center for Nursing Research, the St. David's Center for Health Promotion and Disease Prevention Research in Underserved Populations, and the School of Nursing Learning Enhancement and Academic Progression Center which includes a staff who provide technical assistance for clinical simulation and skills, instructional design, and production.

Learning experiences in the health field are numerous and varied. The School of Nursing has ongoing clinical placement agreements with more than two hundred agencies. These include the Austin State Hospital, Dell Children's Medical Center of Central Texas, Dell Seton Medical Center at The University of Texas, and St. David's Medical Center. Other community settings used for student field experiences include nursing homes, neighborhood health centers, day-care centers, state and local health departments, physicians' offices, and clinics, including our Family Wellness Center, and our Children's Wellness Center (located in Del Valle).

### Financial Assistance Available Through the School

Application forms for scholarships are available from the [Office of Scholarships and Financial Aid](#) and from the [School of Nursing](#), 1710

Red River Street, Austin TX 78712. The School of Nursing Scholarship Committee selects the recipients for endowed nursing scholarships. A list of endowed scholarships can be found on the [School of Nursing website](#). Other scholarships are frequently available through the generosity of groups such as the The University of Texas at Austin School of Nursing Alumni Network, area civic organizations, and several nursing student organizations. Information is available in the [Office of Student Services](#) each semester.

## Other Financial Aid Programs

### ROTC Nursing Scholarships

To be eligible for an ROTC scholarship, an applicant must be a United States citizen and must be less than 25 years old on June 30 of the calendar year during which commissioning is scheduled.

**Air Force ROTC Nursing Scholarships.** These scholarships provide for payment of tuition and fees and for textbooks and a monthly allowance during the school year. For additional information, contact The University of Texas at Austin, Department of Air Force Science, 1 University Station C3600, Austin TX 78712.

**Army ROTC Nursing Scholarships.** These scholarships provide for payment of tuition and fees, a flat rate for textbooks, and a monthly allowance during the school year. Students must attend the Nursing Advanced Camp during the summer between the junior and senior years and work individually with a licensed BSN preceptor. Students may apply to the dean for independent study credit; applications are considered on a case-by-case basis. For additional information, contact The University of Texas at Austin, Department of Military Science, 1 University Station C3606, Austin TX 78712.

**Navy ROTC Nursing Scholarships.** These scholarships provide for payment of tuition and fees and for textbooks and a monthly allowance during the school year. For additional information, contact The University of Texas at Austin, Department of Naval Science, 1 University Station C3604, Austin TX 78712.

## Vocational Rehabilitation

The Texas Workforce Commission Workforce Solutions Vocational Rehabilitation Services provides assistance with college education and employment resources to adults and students with disabilities who are eligible for the service. More information is available at <https://twc.texas.gov/jobseekers/vocational-rehabilitation-adults>

## Student Services

### Academic Advising

All nursing students must come to the School of Nursing before registration each semester for academic advising. Individualized academic advising is managed by the academic advisors in the Office of Student Services. In addition, group advising is offered to assist students with clinical schedules and particular requirements of the upcoming semester.

### Student Organizations

Undergraduate students interested in nursing are eligible for membership in The University of Texas Nursing Students Association. Through the association, nursing students are represented on campus committees and in campus activities involving all students. The local association is affiliated with the Texas Nursing Students' Association and the National Student Nurse Association. In addition, students can join the Longhorn Association for Men in Nursing, the African American Nursing Students Association, the Hispanic Nursing Students Association,

Nurses Christian Fellowship, and the Student Community of Asian Nurses.

Qualified students in the School of Nursing are also eligible for membership in Epsilon Theta Chapter of Sigma Theta Tau International Honor Society of Nursing.

## Admission and Registration

### Admission

#### Admission to the University

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in the [General Information Catalog](#).

#### Admission to the Professional Sequence in Nursing

Application to the School of Nursing is made concurrently when applying to the University. Acceptance into the School of Nursing is based on (1) the strength of the student's academic background; (2) participation in extracurricular and work activities, especially related to community service and health care; and (3) the quality of the essay.

### Transfer Admission

#### Internal Transfer

The University of Texas at Austin students currently enrolled in other departments who want to change majors to nursing are encouraged to attend a [School of Nursing Internal Transfer Information Session](#). To be considered for change of major admission, the student must have completed Chemistry 301, *Principles of Chemistry I*, Statistics and Data Sciences 302F, *Foundations of Data Analysis*, and Biology 311C, *Introductory Biology I*. Additionally, students should be on schedule to graduate within four years and have a University grade point average of 3.00. Internal transfer requests may be very competitive, and admission is offered only on a space-available basis. Interested students should consult The University of Texas at Austin policy for Transfer from One Division to Another within the [General Information Catalog](#), as well as the [School of Nursing website](#) for current details about the transfer process and available information sessions.

#### External Transfer

All students who wish to transfer to the University from another institution must apply to the University Office of Admissions as described in the [General Information Catalog](#). Transfer students must meet the same requirements as University students seeking admission to the School of Nursing and select nursing as their first choice major. To be considered for transfer admission to the School of Nursing, students must have completed 24 semester hours of transferable coursework and are advised to attend an information session. Transfer admission to the School of Nursing is competitive. Transfer applications are competitively reviewed, and admission is offered on a space-available basis. Since space is limited, applicants are strongly encouraged to indicate a second choice of major in case they are not admitted to the School of Nursing.

A student who wishes to transfer into the upper-division nursing coursework from another nursing school after starting nursing clinical or lab work must make an appointment with the [School of Nursing, Office of Student Services](#) for academic advising and transcript review. Students from other nursing schools must consult an advisor in the School of Nursing before applying for admission to the University. In addition to meeting the regular University admission requirements, the student must apply for admission to the School of Nursing. He or she must



submit an official transcript from each institution attended, letters of recommendation from faculty members at the previous nursing school, and course information for all completed nursing courses. Requests to transfer into upper division at the School of Nursing are approved on a limited, space-available basis.

Transfer students must meet the same requirements as University students seeking admission to the professional sequence; however, they are considered for admission to the School of Nursing only if they are admitted to the University.

## Registration

The [General Information Catalog](#) gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#), published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The [Course Schedule](#) and the [General Information Catalog](#) are published on the [University Registrar's website](#).

## Academic Policies and Procedures

### Student Responsibility

- It is the student's responsibility to be informed of general and special notices posted in the School of Nursing building and on the listserv.
- The student must make arrangements for the completion of all work, including makeup examinations and requirements for removal of conditional and incomplete grades.
- Because the curriculum is demanding, students are urged to limit work hours while in the program. A student's combined employment and semester-hour load (including clinical laboratory hours) should not exceed 40 hours a week in either a long-session semester or a summer term. During the final month of the last semester of the program, students are enrolled in a full-time preceptorship and are unable to have outside employment.
- Students may be employed in area hospitals and clinics as nursing assistants, performing functions for which they have been trained by the employing institution and for which the institution has a clearly discernible policy, either in writing or by precedent, defining the scope of these functions. It is illegal for unlicensed students to practice as professional nurses.

Students should be aware that (1) the School of Nursing assumes no responsibility for their activities as employees of an agency; (2) they are personally responsible and liable for any activity they participate in while employed; (3) professional liability insurance purchased by students is valid only in their student role, not in their employment role; (4) individuals who practice illegally may jeopardize their future careers, since those who are convicted of violating the Nurse Practice Act may not be eligible to write state board examinations and subsequently to be licensed.

Students employed in an agency are personally and professionally responsible for engaging only in those activities that fall within their job descriptions as non-licensed workers (such as aides). They have a responsibility to refuse to participate in activities that they have not been legally licensed to perform, such as giving medications and assuming total responsibility for a nursing unit.

- Students should be familiar with the Student Standards of Conduct given in subchapter 11, Appendix C, "Student Discipline and Conduct," [General Information](#), as well as the [University Honor Code](#) and the

School of Nursing Honor Code. Students are expected to read and sign a pledge to abide by the Code of Honor.

## School of Nursing Honor Code

The profession of nursing has a legacy of public respect and trust. We provide specialized care for the health needs of individuals and the community with integrity, honesty, compassion, and state-of-the-art knowledge and skills. Learning and practicing responsible and ethical professional behavior is a vital part of professional education.

As a student in The University of Texas at Austin's School of Nursing, I pledge myself to be honest in all of my student activities including, but not limited to, all of my scholastic work and interactions with patients, members of the community, faculty, and peers. Furthermore, I will not use any substance prior to or during my interaction with patients that could alter my judgment or ability to render safe care: this includes but is not limited to any use of alcohol, illegal drugs, and prescription or over-the-counter drugs that may impair my mental and/or physical abilities required to perform safe patient care. I will disclose to my instructor any violations of the above standards of conduct.

### Standards of Nursing Performance and Progress

#### Progression Requirements for Nursing Majors Prior to Nursing Clinical or Lab Courses

Students must maintain a University grade point average of at least 2.80 in required nursing degree coursework prior to taking nursing courses with a clinical or lab component. In addition, students must attain a grade of at least C- in each natural science course. Courses in which the student receives a grade of less than C-, Q, or W must be repeated in residence to resume progression toward completing the degree. Students may not enroll more than twice in any one natural science course (including Q or W) and should take a full academic load of at least 12 semester hours of coursework when repeating a course. For the student to continue in the nursing major, no more than two natural science courses may be repeated. A student may not repeat for credit a course in which a grade of C- or better was awarded.

Students must meet all progression requirements prior to taking nursing courses with a clinical or lab component. Students who do not meet these requirements will not be permitted to continue in the nursing major. Students are advised every semester about the coursework needed to complete the degree in four academic years.

Students are placed on academic probation in the School of Nursing if they receive a grade of D+, D, D-, or F in any nursing or natural science course. Students are subject to dismissal from the nursing major if they receive more than one D+, D, D-, or F during a semester or receive a second D+, D, D-, or F while on academic probation.

#### Progression Requirements and Performance Standards for Upper Division Nursing Courses

Patient safety is a critical element in every clinical course. Clinical errors related to patient care, including those near-miss incidents intercepted by the faculty, may interfere with a student's progression in the course and in the program. The standards of performance are described in course syllabi and clinical evaluation tools for clinical practicum courses.

A student must earn a grade of at least C in each nursing course for the course to be counted toward degree requirements. Concurrent or sequential enrollment is required as stated in each course description.

If the student is not on scholastic probation at the University, permission may be granted to repeat a required nursing course in which he or she failed to earn a grade of C or better. To receive credit, the student must repeat the course at The University of Texas at Austin School of Nursing. The semester in which a course is repeated is at the discretion of the dean and is dependent on the space available.

A student may repeat a nursing course only once. If the student does not earn a grade of at least C upon repeating the course, he or she cannot continue in the School of Nursing. If, while repeating the course, the student drops the course or withdraws from the University at a time when the student's performance in the course is considered to be inferior to that required for a grade of C, he or she may not re-enroll in the course or continue in the School of Nursing.

No more than two nursing courses may be repeated.

A student may not repeat for credit a course in which a grade of C or better was awarded.

As a prerequisite to medication administration in clinical nursing courses, students are required to pass a medications and calculations test with a grade of at least 90.

## Compliance Requirements for Clinical Courses

Students must provide documentation confirming completion of compliance requirements prior to participating in clinical nursing courses. Log in to the School of Nursing [website](#) for more information.

## Medical Clearance Requirements

Clinical experiences for nursing students are provided in hospitals and other health care agencies with which the School of Nursing is affiliated. A number of these facilities require that nursing students assigned to them have evidence of good health and immunity to certain diseases. Students must provide evidence of compliance with immunization requirements before they begin clinical nursing courses. Students must also submit a health certificate completed by a qualified health care provider prior to starting their first clinical rotation.

## Criminal Background Checks

Students are required to submit to the Texas Board of Nursing criminal background checks before beginning the program. Information about the process is available on the School of Nursing Web site. Students with concerns about eligibility are urged to seek official determination from the [Texas Board of Nursing](#). Further, we urge students with concerns to seek the background check six months in advance of enrollment to allow sufficient time for investigation and Texas Board of Nursing approval.

## Employment Background Check

Agencies in which nursing students are placed for clinical work require an employment background check. Directions to complete this requirement are on the School of Nursing [website](#) listed with other compliance requirements.

## Drug Screen

Clinical agencies require that a drug screen be completed prior to participating in patient care. Students are to follow directions for the

drug screen shown with the compliance requirements on the School of Nursing website.

## CPR and First Aid Requirements

Current certification in cardiopulmonary resuscitation and first aid are required for participation in clinical nursing courses. The CPR course must be the Basic Life Support for Healthcare Providers and include Automatic External Defibrillator from the American Heart Association. Online courses for CPR are not acceptable. The basic first aid certification must be acquired from the American Heart Association (Heartsaver First Aid) or from a local emergency medical services agency (National Safety Council First Aid). Students must provide evidence of current certification before they begin clinical courses. Students who are registered nurses, licensed vocational nurses, or emergency medical technicians are not required to provide evidence of first aid certification.

## Professional Liability Insurance

Professional liability insurance is required of all students enrolled in the professional sequence in the School of Nursing. Students will be billed through the "What I Owe" system for liability insurance each semester they are participating in clinical courses. All student policies expire on the date of graduation.

## Training Modules

All students must complete the following modules on the [School of Nursing Intranet Site](#) before participating in clinical nursing coursework: online orientation, facilities training, and training on the Health Insurance Portability and Accountability Act (HIPAA).

## Health and Hospitalization Insurance

Students are required to purchase health insurance. The cost of personal health care, including care required as the result of clinical practicum experiences, is not covered by either the University, the School of Nursing, or clinical agencies. Information about low-cost group health insurance is available through [University Health Services](#). The professional liability insurance students buy as a part of compliance for participating in clinical courses does not cover health care expenses.

## Uniforms and Other Expenses

Students must purchase uniforms, shoes, name badges, and other supplies before taking the first clinical nursing course. Specific requirements and information about suggested equipment are distributed as a part of orientation and will be available in course syllabi.

## Transportation

Upper-division clinical courses require students to go to various clinical facilities and community sites at varied hours. Students must have their own transportation.

## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in *General Information*.

### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors.

Criteria for graduation with University Honors are given in [General Information](#).

## Nursing Honors Program

The Nursing Honors Program is designed to enhance the educational experience of high-achieving undergraduate nursing majors by focusing on the development of scholarship. Students must apply to this competitive honors program, which begins in the sophomore year. Admission to the program requires approval of the Honors Program Committee.

Students in the program must complete Nursing 321H, 117H, 264H, and 377H. These courses provide students with enhanced mentorship experiences. Students must complete an honors project with a focus on research, ethics, or leadership. Students are also required to take Nursing 337, *Independent Study* with their mentor with the focus on their honors project. The statement "Special Honors in Nursing" appears on the transcript of each student who completes the honors program.

## Sigma Theta Tau International

Epsilon Theta Chapter of Sigma Theta Tau International Honor Society of Nursing, was chartered at the University on May 16, 1980. Membership in Sigma Theta Tau is an honor conferred by active chapters on students who demonstrate academic excellence and on nursing leaders who advance the scientific base of the profession. The society recognizes superior achievement in many areas, facilitates the development of leadership qualities, fosters high professional standards, encourages creative work, and strengthens commitment to the ideals of nursing.

Each year qualified students in the undergraduate and graduate programs may apply for consideration for membership. Invitations to membership are extended to students who are in the top 35 percent of their graduating class. Undergraduates must have a grade point average of at least 3.00; graduate students must have a grade point average of at least 3.50. Qualified community nursing leaders may also be invited to membership. Applications for membership in Epsilon Theta Chapter are available from the [Office of Student Services in the School of Nursing](#).

At the induction ceremony each spring, Epsilon Theta Chapter announces its awards, grants, and scholarship recipients. A scholarship is awarded to an upper-division nursing student who has demonstrated leadership potential and outstanding scholastic achievement. The chapter also awards start-up grants annually to Epsilon Theta Chapter members and/or students to fund research projects.

Sigma Theta Tau International, with active chapters on more than four hundred campuses in the United States and in several other countries, offers opportunities for involvement at the chapter, regional, national, and international levels.

## Graduation

### Special Requirements of the School

All students must fulfill the [General Requirements](#) (p. 20) for graduation. Students in the School of Nursing must also fulfill the following requirements:

- a. All University students must have a grade point average of at least 2.00 to graduate. In the School of Nursing, students must also have a grade point average of at least 2.00 in the coursework used to fulfill the upper-division requirement.
- b. A candidate must complete the prescribed curriculum and must meet all other requirements of the School of Nursing.

- c. A student must supply the School of Nursing with transcripts of courses taken outside the school as the courses are completed.

## Degree Audit

Each semester during group advising, students conduct their own degree audits, which provide information about the courses they must take and the requirements they must fulfill to receive their degree. The degree audit is normally done according to the catalog in effect when the student was admitted to the School of Nursing, but the student may choose to have it done according to any catalog under which he or she is eligible to graduate. Rules on graduation under a particular catalog are given in [Graduation Under a Particular Catalog](#) (p. 21). It is the student's responsibility to fulfill all catalog requirements. The Office of Student Services is available to provide guidance to students as needed.

## Licensure as a Professional Nurse

Upon graduation from the BSN program, students seeking licensure as a registered nurse must register to take the National Council Licensure Examination (NCLEX). To ensure eligibility, the Texas Board of Nursing will rerun the criminal background check that was conducted prior to beginning the nursing program. In addition, students must meet all of the eligibility requirements for licensure as indicated by the Texas Board of Nursing. To determine eligibility, students should consult the [Texas Board of Nursing website](#). Students with questions or concerns are encouraged to contact the Board of Nursing directly prior to enrollment in the nursing program and consult with the Assistant Dean for Student Services at the School of Nursing.

## Degrees and Programs

### Programs in the School of Nursing

The School of Nursing offers an undergraduate program leading to the Bachelor of Science in Nursing degree and graduate programs leading to the Master of Science in Nursing degree, the Doctor of Philosophy degree with a major in nursing, and the Doctor of Nursing Practice degree. The undergraduate program is designed for students who wish to enter the profession of nursing. Students who have earned an associate's degree in nursing and wish to obtain the baccalaureate degree may apply as transfer students. The master's and doctoral degree programs are designed to prepare professionals for advanced nursing practice, leadership, and research in nursing.

The baccalaureate program is accredited by the Commission on Collegiate Nursing Education (CCNE) and the Texas Board of Nursing.

### Objectives of the Bachelor's Degree Program

The graduate of the baccalaureate program in nursing is expected to

1. Demonstrate critical thinking to integrate knowledge from nursing, biological and behavioral sciences, and the humanities in assessing, planning, implementing, and evaluating nursing care.
2. Apply critical thinking and clinical judgment within a problem solving process to safely meet the health care needs of individuals, families, aggregates, populations, and communities in a variety of settings.
3. Exhibit personal responsibility and accountability for practicing nursing according to professional, ethical, and legal practice standards (e.g., Texas Nurse Practice Act, Texas Occupation Code).

4. Participate in the delivery of health care through inter-professional collaboration, delegation, coordination, case management, and consultation.
5. Participate in nursing and inter-professional efforts to improve the delivery of high quality, safe and culturally sensitive health care to diverse individuals, families, aggregates, populations, and communities.
6. Demonstrate core professional values to complement continued personal and professional growth.
7. Critically appraise and apply research findings to demonstrate evidence-based nursing practice.
8. Analyze health policy and its effects on diverse individuals, families, aggregates, populations, communities, and health agencies.
9. Integrate information and health care technology in nursing practice, administration, education, and research.
10. Utilize leadership skills to advance the profession of nursing and promote continuous improvement of the health care delivery system.

## Foreign Language Requirement

Students may fulfill the foreign language component of the University's basic education requirements by completing two years of a single foreign language in high school, by earning an appropriate score on one of the placement examinations administered by the University, or by completing two semesters of college coursework in a single foreign language in addition to the degree requirements given below. If the foreign language requirement will be fulfilled by transfer credit, credit by examination, or extension or correspondence courses, it must be fulfilled before the first semester of the student's senior year. Nursing 354 may not be counted toward the foreign language requirement. For students who take college coursework to complete the foreign language requirement, Spanish is recommended.

## Flag Requirements

In the process of fulfilling the requirements for the Bachelor of Science in Nursing degree, students must fulfill flag requirements. Students must earn credit for one flag in ethics, one flag in global cultures, one flag in cultural diversity, one flag in independent inquiry, one flag in quantitative reasoning, and three flags in writing.

Courses with flags are identified in the *Course Schedule*. For additional information about flag requirements, see [Additional Basic Education Requirements](#) (p. 24).

## Applicability of Certain Courses

### ROTC Courses

The dean has the authority to substitute an equivalent air force science, military science, or naval science course or courses for a course or courses prescribed by the School of Nursing; core curriculum courses cannot be substituted. The dean can also make adjustments to compensate for any differences in semester hour value. The total number of semester hours required for the degree remains unchanged.

## Correspondence and Extension Courses

Credit earned by correspondence or extension from the University or elsewhere will be counted toward a Bachelor of Science in Nursing degree if approved by either the assistant dean for student services or the assistant dean for undergraduate programs. A student planning to meet pre-professional course requirements with correspondence or extension courses should consult the Office of Student Services

to ensure enrollment in appropriate courses. Credit for professional sequence courses may not be earned by correspondence or extension.

## Credit by Examination

The faculty believes that each educational experience should build on previous achievements to encourage fulfillment of each student's potential. Therefore, all students and registered nurses are urged to seek advice on arranging a logical sequence of work. The faculty subscribes to the principle that a candidate's competence should be validated and that credit should be awarded on the basis of satisfactory achievement on examinations as well as in the classroom. Twenty-four of the last 30 semester hours of credit presented for the degree must be earned in residence, rather than by examination, correspondence, or transfer.

An examination for credit may not be taken in a course in which the student is enrolled, which the student has completed, or which the student has dropped with either a passing or a failing grade.

University policies regarding credit by examination are given in the *General Information Catalog*.

## Bachelor of Science in Nursing

This program consists of 125 to 126 semester hours of coursework. All students must complete the University's [Core Curriculum](#) (p. 23). In some cases, a course that is required for the Bachelor of Science in Nursing may also be used to fulfill a requirement of the core curriculum. In order to meet prerequisites, students must take most of the nursing courses in a specific sequence. Upon completion of the program, students are awarded the Bachelor of Science in Nursing degree and have fulfilled the prescribed course of study and clinical practice required to take the National Council Licensure Examination (NCLEX) for licensure as a registered nurse.

## Suggested Arrangement of Courses, Nursing (BSN)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
RHE 306 (Core) <sup>010</sup>	3	BIO 311C (Core) <sup>093</sup>	3	GOV 310L (Core) <sup>070</sup>	3
CH 301 (Core) <sup>030, QR</sup>	3	NTR 306 (General Education)	3	U.S. History (Core) <sup>060</sup>	3
SDS 302F (Core) <sup>020</sup>	3	PSY 301 (Core) <sup>080</sup>	3	Study Abroad (Opportunity)	
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	N 309 (Major) <sup>GC</sup>	3		
Visual and Performing Arts (Core) <sup>050</sup>	3	E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3		
	15		15		6
Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
BIO 326M (Core) <sup>093</sup>	3	N 320 (Major)	3	Study Abroad (Opportunity)	
BIO 446L (General Education)	4	N 224 (Major)	2	Internship (Opportunity)	
PSY 304 or HDF 313 and HDF 113L (General Education)	3-4	N 127P (Major)	1		
U.S. History (Core) <sup>060</sup>	3	N 321 (Major) <sup>Wr, E</sup>	3		
N 310 (Major)	3	BIO 365S & BIO 165U (General Education)	4		
		GOV 312L or 312P (Core) <sup>070</sup>	3		
	16-17		16		0

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
N 356 (Major)		3 N 265 (Major)		Study Abroad (Opportunity)	
N 256P (Major)		2 N 365P (Major)		Internship (Opportunity)	
N 325 (Major)		3 N 255C (Major)	2		
N 325P (Major) <sup>II</sup>		3 N 157P (Major)	1		
N 264 (Major)		2 N 223 (Major) <sup>E</sup>	2		
		N 250 (Major)	2		
		PHM 338 (General Education)	3		
			<b>13</b>	<b>10</b>	<b>0</b>

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
N 266 (Major)		2 N 275 (Major) <sup>CD</sup>		2 (None)	
N 366P (Major)		3 N 375P (Major) <sup>Wr</sup>	3		
N 255D (Major)		2 N 274 (Major)	2		
N 355P (Major)		3 N 377 (Major)	3		
N 354 (Major) <sup>CD</sup>		3 N 277P (Major)	2		
N 273 (Major) <sup>Wr</sup>		2 N 279P (Major)	2		
			<b>15</b>	<b>14</b>	<b>0</b>

Total credit hours: 120-121

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

Undergraduate Degree Program listing. (p. 11)

## Courses, School of Nursing

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the School of Nursing: [Nursing \(N\)](#).

## School of Nursing Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Christine W Abbyad, Clinical Associate Professor  
School of Nursing  
PhD, University of Texas at Austin, 2008

Gayle J Acton, Associate Professor  
School of Nursing  
PhD, University of Texas at Austin, 1993

Kari Armstrong, Clinical Instructor  
School of Nursing  
MSN, Concordia University at Austin, 2018

Teresa B Bailey, Clinical Assistant Professor  
School of Nursing  
DNP, University of Texas at Austin, 2019

John E Bellquist, Lecturer  
School of Nursing  
PhD, University of California-Berkeley, 1980

Adam Blank, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2015

Richard Allen Brown, Research Professor  
Department of Psychiatry and School of Nursing  
PhD, University of Oregon, 1981

Larissa Kay Brungot, Clinical Assistant Professor  
School of Nursing  
MSN, University of Texas at Austin, 2014

Sharon L Carter, Clinical Assistant Professor  
School of Nursing  
MS, Ball State University, 2011

Jane Dimmitt Champion, Professor  
Lee and Joseph D. Jamail Endowed Professorship in Nursing  
School of Nursing  
PhD, University of Texas Health Science Center at San Antonio, 1994

Eduardo Che Chavez, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2019

Brittany Paige Christiansen, Clinical Assistant Professor  
School of Nursing  
DNP, University of Texas at Austin, 2017

Tanya M Coakley, Professor  
School of Nursing  
PhD, University of Tennessee, 2004

Sherri Lyn Cook-Rousey, Clinical Assistant Professor  
School of Nursing  
MSN, Texas Tech University Health Sciences Center, 2015

Julie Cruse, Clinical Assistant Professor  
School of Nursing  
MSN, Angelo State University, 2014

Heather E Cuevas, Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2013

Carol L Delville, Clinical Associate Professor  
School of Nursing  
PhD, University of Texas at Austin, 2008

Christine A Divin, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2015

Carly E Edgar, Clinical Instructor  
School of Nursing  
MSN, Texas Woman's University - Denton, 2006

Jennifer Flippo, Clinical Assistant Professor  
School of Nursing  
DNP, University of Texas at Arlington, 2019

Alexandra A Garcia, Professor

School of Nursing and Department of Population Health  
PhD, University of Texas at Austin, 2002

Jennifer Lynn Gareau-Terrell, Clinical Assistant Professor  
School of Nursing  
DNP, Texas Tech University Health Sciences Center, 2019

Kelly S Gettig, Clinical Instructor  
School of Nursing and Department of Neurology  
MSN, University of Texas at Austin, 2003

Leigh A Goldstein, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2013

Nancy M Guillet, Clinical Assistant Professor  
School of Nursing  
DNP, University of Texas at Austin, 2021

Tatyana G Gustafson, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2007

Patricia L Hamilton-Solum, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2011

Kate Hanley, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2021

J Taylor Harden, Visiting Professor  
School of Nursing  
PhD, University of Texas at Austin, 1989

Tracie C Harrison, Professor  
School of Nursing  
PhD, University of Texas at Austin, 2004

Rachel R Haungs, Clinical Instructor  
School of Nursing  
MSN, Western Governors University Texas, 2018

Elizabeth M Heitkemper, Assistant Professor  
School of Nursing  
PhD, Columbia University in the City of New York, 2017

Ashley M Henneghan, Assistant Professor  
School of Nursing and Department of Oncology  
PhD, University of Texas at Austin, 2017

Janice F Hernandez, Clinical Assistant Professor  
School of Nursing  
MSN, University of Texas at Austin, 2009

April Alonzo Herrera, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2012

Amy E Holland, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2007

Sharon D Horner, Professor  
Dolores V. Sands Chair in Nursing Research  
School of Nursing  
PhD, Medical College of Georgia, 1992

Shalonda E Horton, Clinical Assistant Professor  
School of Nursing

PhD, University of Texas at Austin, 2015

Sheryl A Innerarity, Clinical Associate Professor  
School of Nursing  
PhD, Texas Woman's University - Denton, 1987

Carrie A Johnson, Clinical Assistant Professor  
School of Nursing  
DNP, University of Texas Health Science Center at Houston, 2009

Karen Johnson, Associate Professor  
School of Nursing and Department of Health Social Work  
PhD, University of Minnesota-Twin Cities, 2012

Melessa Kelley, Assistant Professor  
School of Nursing  
PhD, Florida Atlantic University, 2016

Shelli Kesler, Associate Professor  
School of Nursing, Department of Diagnostic Medicine, and Department  
of Oncology  
PhD, Brigham Young University, 2000

Stephanie M Key, Clinical Assistant Professor  
School of Nursing  
MA, University of Texas at Austin, 1999

LaTashia V Kiel, Clinical Assistant Professor  
School of Nursing  
MSN, University of Texas at Austin, 2014

Miyong Kim, Professor  
Maureen Healy Decherd '73 Distinguished Professorship in Nursing  
School of Nursing and Department of Population Health  
PhD, University of Arizona, 1996

Kendra D Koch, Adjunct Assistant Professor  
Stan Richards School of Advertising and Public Relations, Department of  
Health Social Work, and School of Nursing  
PhD, University of Texas at Austin, 2017

Jung Kwak, Associate Professor  
School of Nursing and Department of Health Social Work  
PhD, University of South Florida, 2006

Yang Li, Assistant Professor  
School of Nursing  
PhD, University of Michigan-Ann Arbor, 2018

Li-Chen Lin, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2009

John Ronald Lowe, Professor  
Joseph H. Blades Centennial Memorial Professorship in Nursing  
School of Nursing  
PhD, University of Miami, 1996

Brittney E Majefski, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Arlington, 2019

Kari Lynn McDonald, Clinical Assistant Professor  
School of Nursing  
MSN, University of Texas at Austin, 2006

Stephanie Morgan, Clinical Professor  
School of Nursing  
PhD, University of Texas at Austin, 2013

Lisa Kubina Morris, Clinical Instructor  
School of Nursing  
MSN, Middle Tennessee State University, 2009

Laura E Murphy, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2009

Jennifer J Murray-Chavez, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2008

Nicole Streuding Murry, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2018

Vinh T Nguyen, Lecturer  
School of Nursing  
PhD, University of Texas at Austin, 2021

Esther Nwokocha, Clinical Instructor  
School of Nursing  
MSN, Pennsylvania State University Park, 2016

Nico Osier, Assistant Professor  
School of Nursing and Department of Neurology  
PhD, University of Pittsburgh, Pittsburgh Campus, 2016

Amy Papermaster, Clinical Assistant Professor  
School of Nursing and Department of Women's Health  
PhD, University of Texas at Austin, 2019

Carolyn Phillips, Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2019

Kavita Radhakrishnan, Associate Professor  
School of Nursing  
PhD, University of Massachusetts, 2011

Donna L Rew, Professor  
Denton and Louise Cooley and Family Centennial Professorship in  
Nursing  
School of Nursing  
EdD, Northern Illinois University, 1979

Hyekyun Rhee, Professor  
La Quinta Motor Inns, Inc. Centennial Professorship in Nursing  
School of Nursing  
PhD, University of North Carolina at Chapel Hill, 2002

Kathy C Richards, Clinical Professor  
School of Nursing  
PhD, University of Texas at Austin, 1993

Mary E Roche, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2012

Donna G Rolin, Clinical Associate Professor  
School of Nursing  
PhD, New York University, 2012

Mary Kathryn Sanders, Clinical Assistant Professor  
School of Nursing  
DNP, Indiana Wesleyan University, 2015

Rosa N Schnyer, Clinical Assistant Professor  
School of Nursing

DAOM, Oregon College of Oriental Medicine, 2008

Kimberly F Sennet, Clinical Instructor  
School of Nursing  
MSN, Johns Hopkins University, 2011

Amber Nicole Sherman, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2016

Amanda Jean Simonton, Clinical Assistant Professor  
School of Nursing and Department of Psychiatry  
PhD, University of Texas at Austin, 2020

Sally Elizabeth Stroud, Clinical Instructor  
School of Nursing  
MSN, Texas State University, 2020

Alexa M Stuijbergen, Professor  
Laura Lee Blanton Chair in Nursing, James R. Dougherty, Jr. Centennial  
Professorship in Nursing  
School of Nursing  
PhD, University of Texas at Austin, 1988

Lisa L Sumlin, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2014

Danica Fulbright Sumpter, Clinical Associate Professor  
School of Nursing  
PhD, University of Pennsylvania, 2009

Laura M Swarts, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2012

Erika H Tabke, Clinical Assistant Professor  
School of Nursing  
DNP, University of Texas at Austin, 2020

Megan Christine Thomas Hebdon, Assistant Professor  
School of Nursing  
PhD, University of Arizona, 2019

Joshua M Thomas, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2018

Whitney A Thurman, Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2018

Gayle M Timmerman, Professor  
School of Nursing and Department of Medical Education  
PhD, Ohio State U Main Campus, 1994

Ana T Todd, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2013

Kayleigh Amanda Todd, Clinical Assistant Professor  
School of Nursing  
MSN, University of Texas at Austin, 2015

Shae L Vaughn, Clinical Assistant Professor  
School of Nursing  
DNP, The University of Alabama, 2020

Mary K Wakefield, Visiting Professor  
School of Nursing

PhD, University of Texas at Austin, 1985

Lorraine O Walker, Professor  
Luci B. Johnson Centennial Professorship in Nursing  
School of Nursing  
EdD, Indiana University at Bloomington, 1971

Veronica G Walker, Clinical Assistant Professor  
School of Nursing  
PhD, University of Texas at Austin, 2014

Barbra M Wall, Visiting Professor  
School of Nursing  
PhD, University of Notre Dame, 2000

Catherine Elizabeth Helms Ward, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2018

Michelle L Wright, Assistant Professor  
School of Nursing and Department of Women's Health  
PhD, University of North Dakota Main Campus, 2014

Bo Xie, Professor  
School of Nursing and School of Information  
PhD, Rensselaer Polytechnic Institute, 2006

Linda H Yoder, Professor  
School of Nursing  
PhD, University of Pennsylvania, 1992

Cara Young, Associate Professor  
School of Nursing  
PhD, Vanderbilt University, 2010

Aline C Zeringue, Clinical Instructor  
School of Nursing  
MSN, University of Texas at Austin, 2001

Julie A Zuniga, Associate Professor  
School of Nursing  
PhD, University of Texas at Austin, 2013

## College of Pharmacy

Samuel M. Poloyac, PharmD, PhD, *Dean*  
W. Renee Acosta, MS, *Associate Dean*  
Diane B. Ginsburg, PhD, *Associate Dean*  
John H. Richburg, PhD, *Associate Dean*  
Nathan D. Pope, PharmD, *Assistant Dean*  
Justin T. Samuel, PhD, *Assistant Dean*  
Skyller D. Walkes, PhD, *Assistant Dean*  
<http://pharmacy.utexas.edu/>

## General Information

### Accreditation

The College of Pharmacy has been a member of the American Association of Colleges of Pharmacy since 1927. The Doctor of Pharmacy degree program is accredited by the Accreditation Council for Pharmacy Education (ACPE); ACPE does not accredit master's and Ph.D. degrees in pharmacy.

### Mission

The University offers a four year Doctor of Pharmacy (Pharm.D.) as the sole entry-level, professional degree for the practice of pharmacy.

Competitive admission to the program occurs after the completion of a series of required prepharmacy courses. This program offers a course of study in the biomedical, pharmaceutical, clinical, and social and behavioral sciences designed to provide the state and the nation with pharmacists who are scientifically educated and clinically competent to deliver a full spectrum of pharmaceutical services in all areas of practice. In meeting its teaching obligation, the college provides a curriculum and faculty that offer students an educational experience beyond training solely for the practice of pharmacy.

The profession of pharmacy has evolved from a role primarily in distribution of medication toward a patient-centered care model. The patient-centered care model is a process through which a pharmacist interacts with the patient and other health care professionals collaboratively in the collection, assessment, planning, implementation, and follow-up of a patient-specific therapeutic plan that will produce the desired therapeutic outcomes. To ensure that graduates have the necessary tools to practice in this complex, patient-centered environment, the pharmacy curriculum has evolved from traditional discipline-specific coursework to a discipline-integrated approach of disease state management and a case-based, team approach to the design of the patient-specific therapeutic plan that includes interprofessional collaborative practice.

The professional curriculum is designed to prepare pharmacy graduates to provide patient-centered pharmaceutical care in a contemporary interprofessional collaborative practice setting, whether a community pharmacy, an ambulatory clinic, a hospital, managed care, or a long-term care facility, as well as to work in the pharmaceutical industry. In addition, the curriculum aims to inculcate an understanding of the basic sciences sufficient to prepare the student for graduate study in the pharmaceutical sciences or post Pharm.D. residency training. These objectives are pursued through a balanced program of study in pharmaceutics, medicinal chemistry, pharmacology, therapeutics, pharmacy administration, social and behavioral sciences, and the humanities, as well as a structured clinical and professional practice experiential program. The holder of a professional degree from The University of Texas at Austin has received an education and training as sophisticated as any available in the health professions.

The College of Pharmacy has conducted a joint Pharm.D. degree program with the University of Texas Health Science Center at San Antonio since 1974. Students who complete their P3 and P4 experiential courses at the Health Science Center are considered part of this program and receive a degree awarded jointly by the two institutions.

The college has educational affiliations with several other academic health institutions, health-systems, and pharmacy organizations through its five Texas regional internship areas - Austin/Temple/Waco, Dallas/Ft. Worth, Houston/Galveston, the Rio Grande Valley, and San Antonio.

The college seeks to encourage the belief that education is ongoing and lifelong and that all levels of professional education must form a continuum with professional practice and patient care. To meet this objective, the college provides postgraduate educational programs and develops innovative programs of training through continuing education for the roles pharmacists may be called on to fill as a result of changes in the patterns of delivery of pharmaceutical services.

In addition to the Pharm.D. degree, the University offers the Master of Science in the Pharmaceutical Sciences, and the Doctor of Philosophy (Ph.D.) with a major in the Pharmaceutical Sciences. The College of Pharmacy also participates in interdisciplinary Ph.D. programs in Cellular and Molecular Biology and in Neuroscience. In collaboration with The University of Texas Health Science Center at San Antonio and The University of Texas at San Antonio, the College offers an interinstitutional



Ph.D. program with a major in Translational Science. These programs are described in the [Graduate Catalog](#).

## History

For more than a century, the University's College of Pharmacy has provided education and training for men and women as pharmacy practitioners, scientists, professional leaders, and responsible citizens. Eleven students constituted the first class when a school of pharmacy was created in the fall of 1893 at the University of Texas Medical Branch at Galveston. In 1927, the program was reorganized as the College of Pharmacy and moved to the Austin campus. The college shared quarters with other University programs until 1952, when the first pharmacy building was opened. Instruction now takes place in facilities designed for the pharmacy program and located near the center of the Austin campus, and on the campus of the University of Texas Health Science Center at San Antonio.

The first undergraduate program consisted of two sessions, each seven months in length. The current Pharm.D. degree program requires six years in pre-professional subjects, biomedical and pharmaceutical sciences, and professional experience courses. Graduate study became available in 1948 with the institution of a Master of Science in Pharmacy degree program. Today programs are also available that lead to the Doctor of Philosophy in the pharmaceutical, administrative, and clinical sciences. More than 8,000 students have graduated from the programs offered by the college; many have achieved state, national, and international prominence in pharmacy or in related health fields.

Academic leadership for pharmaceutical education at the University has been provided by eleven prominent educators, beginning with James Kennedy of San Antonio, who was appointed as a pharmacy professor and director of the Galveston program in 1893. He was succeeded by R. R. D. Cline, who for almost thirty years guided pharmaceutical education in Texas. When the school was moved to Austin in 1927, W. F. Gidley was named the first dean of the college. In 1947, Henry M. Burlage succeeded Professor Gidley as dean. He was succeeded in 1962 by Lee F. Worrell, who served until 1966. Carl C. Albers was acting dean until Joseph B. Sprowls was appointed dean in 1967. William J. Sheffield became acting dean upon the death of Professor Sprowls in 1971. He was succeeded in 1973 by James T. Doluisio, who served the college for 25 years. Steven Leslie served as dean from 1998 until 2007, when M. Lynn Crismon assumed the leadership of the college.

University pharmacy students receive instruction in the basic biomedical sciences, the pharmaceutical sciences, pharmacy administration, and pharmacy practice in state-of-the-art academic and health care facilities. Pharmacy interns expand their professional practice knowledge and skills at clinical education sites in the Austin/Temple/Waco area, University of Texas Health Science Center at San Antonio, the University of Texas Southwestern Medical Center at Dallas, the Texas Medical Center in Houston, and The University of Texas Medical Branch at Galveston.

## Facilities

### The Pharmacy Building

In addition to well-equipped classrooms, laboratories, and offices, the pharmacy building provides a learning resource center, a television production laboratory and classrooms, and pharmaceutical technology laboratories with facilities for product development, pilot manufacturing, sterile production and quality control, and stability testing. The University Health Services Pharmacy also serves as a teaching laboratory for second-year pharmacy students while providing comprehensive pharmaceutical services to the student community. Space assigned to the college in the Biomedical Engineering Building, Dell Pediatric

Research Institute, and the Health Discovery Building expands pharmacology, medicinal chemistry, and pharmaceuticals research space.

## Pharmacy Facilities in San Antonio

The University of Texas Health Science Center at San Antonio has provided facilities for the education and training of pharmacy students, residents, and fellows since 1972. The McDermott Clinical Sciences Building on the Health Science Center campus, which houses the pharmacotherapy division of the college and the Pharmacotherapy Education and Research Center, provides a state-of-the-art distance education classroom, a student computer laboratory, research laboratories, and offices for faculty and staff members. The Division of Pharmacotherapy maintains a broad range of affiliation agreements with institutions in San Antonio that provide extensive training opportunities in a variety of practice settings. Research opportunities exist in the areas of infectious disease, oncology, anticoagulation, stroke prevention, and psychiatry.

## Office of Pharmacy Continuing Education

As part of a state university, the College of Pharmacy recognizes obligations to the profession of pharmacy on a state, national, and international level. The college began providing continuing education to pharmacists in 1953 in cooperation with the [University Extension](#). Today, the college is an ACPE-approved provider of continuing pharmaceutical education. A primary goal of the Office of Pharmacy Continuing Education is to advance the pharmacist's knowledge and provide the skills necessary to adapt to a changing practice. Toward this end, the office offers a variety of programs, including home-study courses, seminars, multiday conferences, and certificate programs addressing the most current practice issues. Programs are conducted both on and off campus and by correspondence and distance learning. Annually, the office provides about 350 contact hours of continuing education programming to more than 6,500 pharmacists across the United States.

## Learning Resource Center

The college's [Learning Resource Center](#) (LRC) offers a variety of instructional resources to students and faculty members. The LRC provides state-of-the-art digital video teleconferencing transmission of courses among the Austin campus, the Health Science Center at San Antonio, and other sites in the University of Texas System, so that faculty members can teach students at two or more locations simultaneously. Most courses are recorded and made available by video streaming. The LRC also operates the Delgado Library, a multipurpose, nontraditional facility with individual and small-group study spaces, and seminar rooms.

The staff of the LRC provides faculty members and students with computer hardware and software consulting as well as advice on the use of media in the classroom. Facilities and equipment are available for video and data projection. [The College of Pharmacy's website](#) provides additional information and curriculum support for students and faculty members.

The electronic classrooms feature desktop computers with projection equipment and a full suite of software. The large distance-learning classroom supports notebook computer ports. Wireless high-speed Internet is available throughout the Pharmacy Building.

The goal of the Learning Resource Center is to provide the highest quality learning technology infrastructure and support services to students and faculty members.

## Libraries

The Life Science Library supports the teaching and research missions of the College of Pharmacy by providing access to an extensive array of print and electronic information resources. The library maintains extensive holdings in pharmacology, pharmaceuticals, pharmacy administration, and medicinal chemistry, with supporting materials in medicine and nutrition. Biochemistry and medicinal chemistry material is complemented by the collections of the Mallet Chemistry Library. Medical material is supplemented by additional material in nursing, pediatrics, and psychiatry at the Perry-Castañeda Library. Extensive collections in the social sciences and business provide additional support for the interdisciplinary interests of health outcomes and pharmacy practice. Current journal holdings are primarily online, while books are acquired in print or digitally as eBooks.

The online Clinical Information Center (ClinIC), sponsored by the Life Science Library, provides electronic access to the complete resources of a drug information center. The center gives users access to significant electronic resources such as Micromedex, Access Pharmacy, PharmacyLibrary, AHFS Drug Information, Clinical Pharmacology online, Drug Facts & Comparisons, LexiComp online, and the Cochrane Library of evidence-based reviews, in addition to databases such as Medline, International Pharmaceutical Abstracts, Web of Science, and SciFinder Scholar. These electronic resources are available for remote access through the [University Libraries website](#), which offers a full range of databases, access to electronic journals, and links to other digital information sources. The libraries collaborate with the College of Pharmacy to select and integrate electronic resources into the pharmacy curriculum. Access to print information resources for students on rotation and at the College of Pharmacy Cooperative Program campus is provided through the University Libraries InterLibrary Services.

All units of the University Libraries offer reference service, circulation and reserve services, and interlibrary loan. Instruction in the use of information resources is provided in required pharmacy classes and by individual consultation.

## Financial Assistance Available through the College

Students entering the first year of the professional curriculum may be eligible for certain college-based scholarships, and information is provided to students regarding these scholarships upon matriculation. Students who have completed the first year of the professional curriculum are eligible to apply for all scholarships and loans offered through the College of Pharmacy. Eligibility and application information is available at <http://pharmacy.utexas.edu/students/financial-aid/> and in the Office of Student Affairs, Pharmacy Building 5.112.

Scholarship opportunities with the College of Pharmacy include Endowed Presidential Scholarships with a minimum of \$2,500, and other endowed scholarships with a minimum of \$1,500. Students must meet eligibility requirements, and in some cases additional criteria, to be awarded these scholarships. Additional college scholarships are funded by various pharmacy associations, individuals, employers, and organizations. These scholarships are awarded, as they become available, through The University of Texas College of Pharmacy at the direction of the college's Financial Aid Committee.

## Loan Funds

### The Klinck Family Loan Funds

These loan funds were established by the Klinck family of McAllen, Texas, to assist students in need of financial assistance. Emergency short-term loans, for a maximum of \$500 are available and must be paid

back the same semester the loan is taken out. Long-term loans of up to \$2,500 are available to pharmacy students who demonstrate financial need. Students may apply for more than one loan, but except in unusual circumstances the loans will total no more than \$5,000. Visit the Klinck Family Loan Funds site for more information.

## Other Loan Funds

Other loan funds may be available to pharmacy students. Information about these loans is available from the Office of Student Affairs, Pharmacy Building 5.112.

## Student Services

### Academic Advising

Academic advising is an ongoing activity of the Office of Student Affairs, Pharmacy Building 5.112. Because advising is not restricted to the time just before registration, all students are strongly encouraged to seek advice whenever they have questions about degree requirements, the availability of course offerings each semester, and taking courses in proper sequence.

Advising for the University of Texas at Austin pre-pharmacy/ undergraduate students is provided by assigned academic advisors in their colleges and by the Health Professions Office in the College of Natural Sciences. University students interested in the profession of pharmacy should contact their office early in their college careers.

Pre-pharmacy students from outside the University should seek information from our College of Pharmacy website, from their institutional academic advisors or Health Professions Office, and from an admissions representative from the College of Pharmacy.

## Career Services

The college provides career counseling to students in the professional sequence of courses. Throughout the year, staff is available in the Office of Student Affairs to assist students in examining the career options available to them upon graduation.

In addition, a systematic exploration of professional career options is conducted as part of the foundations for professional development series of courses. Guest lecturers include successful pharmacists representing a variety of pharmacy practice models, other health care and regulatory settings, and careers in professional organizations, education, research, and the pharmaceutical industry. All Pharm.D. students also undergo a CV Review and Mock Interview within the course sequence.

The College of Pharmacy, under the supervision of the assistant dean for student affairs, conducts a P4 senior interview day for graduating seniors. This event gives seniors an opportunity to interview for professional practice positions with major employers of pharmacists in Texas and throughout the nation. A workshop including mock interviews is conducted to prepare students for interviews and is held prior to the P4 senior interview day as a part of Senior Conference. A college-wide Career Day each fall, featuring major employers and residency programs, allows students in all years of the curriculum to interact with numerous pharmacist employers and explore practice opportunities.

The college also facilitates interaction between employers and professional students interested in obtaining competitive internships. More information on this process is provided to all students by the assistant dean for student affairs.

A limited number of competitive internships both in and outside of Texas are available by application only. Information is available in the Office

of Student Affairs, Pharmacy Building 5.112; from individual faculty members; and via the student's own internship search.

As a complement to the assistance available from the college, Texas Career Engagement provides comprehensive career services to all students. The center offers professional assistance to students in choosing or changing their majors or careers, seeking an internship, and planning for a job search or graduate study.

The University makes no promise to secure employment for each graduate.

## **Student Organizations**

### **American Association of Pharmaceutical Sciences (AAPS)**

The University of Texas at Austin Student Chapter of AAPS was initiated in 2003 with the primary goal of increasing awareness of educational and career opportunities in the pharmaceutical sciences among The University of Texas at Austin College of Pharmacy students. The organization fosters participation at the national AAPS Annual Meeting and Exposition.

### **Academy of Managed Care Pharmacy, UT Chapter (AMCP)**

The University of Texas Chapter of AMCP was established in 2019. It is an organization whose members share the common goal of ensuring positive health care outcomes through quality, accessible, and affordable pharmaceutical care.

### **American Pharmacists Association Academy of Students of Pharmacy (UT-APhA-ASP)**

In December, 1951, the Longhorn Pharmaceutical Association was organized as an association jointly representing the student branches of the American Pharmaceutical Association and the Texas Pharmaceutical Association. Renamed in 1998, the association sponsors service projects and social events and serves to develop professionalism in pharmacy students.

### **Asian Pharmacy Students Association (APSA)**

The mission of the Asian Pharmacy Students Association, established at the University in 1999, is to promote unity among pharmacy students who have common interests, values, and backgrounds, in order to help them achieve educational, professional, and personal excellence.

### **Christian Pharmacists Fellowship International (CPFI)**

This group seeks to identify and enroll all Christian pharmacists, wherever they practice, and to assist them in creating opportunities for fellowship. CPFI is the first international organization of evangelical Christian pharmacists established with a focus on integrating the spiritual and vocational dimensions of the pharmacist's role.

### **College of Psychiatric and Neurologic Pharmacists, UT Chapter (UT-CPNP)**

The mission of UT-CPNP is to provide resources to help fight the stigma against substance use disorders, mental health conditions, co-occurring disorders, and recovery. It was designed by conscientious students, faculty, and staff in the College of Pharmacy and used as a platform to refer others to the appropriate University and Austin resources that best address their particular needs.

### **Hispanic Association of Pharmacists (HAP)**

The primary goals of the Hispanic Association of Pharmacists are to assist in the recruitment and retention of qualified students in the College of Pharmacy, to provide health care education to the community, and to maintain open communication channels between students and the college. Membership is open to pre-pharmacy and professional students.

### **International Society of Pharmacoeconomics and Outcomes Research, UT Chapter (UT-ISPOR)**

This group's mission is to provide an environment in which students can share knowledge in pharmacoeconomics and health outcomes research. It brings together students of pharmacoeconomics and outcomes research and members of the pharmaceutical industry, health-related organizations, and academia; acts as a resource for students interested in pharmacoeconomics and outcomes research; and provides an opportunity for students to become familiar with the work of ISPOR and to be represented in its affairs.

### **Kappa Epsilon (KE)**

Kappa Epsilon is a national professional fraternity established to promote careers for women in pharmacy, but membership is open to women and men. Xi chapter, established in 1943, sponsors service and professional projects, including a focus on breast cancer awareness, poison prevention working with elementary schools, as well as social events and other extracurricular activities.

### **Longhorn Prepharmacy Association (LPPA)**

LPPA comprises all prepharmacy students at The University of Texas at Austin. The group's chief objectives are to function as a small community of students within a large institution; to provide current information on the preprofessional and professional curricula; and to provide information about the pharmacy profession.

### **National Community Pharmacists Association, UT Chapter (NCPA)**

NCPA is a national professional organization representing the interests of independent community pharmacists. The student chapter sponsors projects and events designed to foster the entrepreneurial spirit among future practitioners. The national association has a loan program available to student members, as well as several competitive scholarships and research grants.

### **Pharmacy Council**

The Pharmacy Council is composed of officers and representatives of the sponsored student organizations in the College of Pharmacy and elected student representatives from each of the professional pharmacy classes. The president, financial director, and senate representative of the council are also members of the Senate of College Councils, and a member of the council serves as the college's representative to Student Government. Acting as liaison between the student body and the Office of the Dean, the Pharmacy Council works to ensure the equitable consideration of student concerns and problems. The council sponsors orientation programs for new pharmacy students, college and University-wide programs, events that promote student and faculty interaction, and community service activities for medically underserved citizens throughout the state.

### **Pharmacy Graduate Students' Association (PGSA)**

This association conducts activities that promote the general welfare of pharmacy graduate students. Its chief purposes are to encourage and

facilitate graduate student communication and interaction; to gather and disseminate information important to pharmacy graduate students; to represent pharmacy graduate students to the University community; and to promote pharmaceutical education at the undergraduate level.

### **Phi Delta Chi (PDC)**

Lambda chapter of Phi Delta Chi, established at the University in 1905, was reactivated in 1956. Phi Delta Chi is a professional pharmaceutical fraternity of national standing. Membership is open to qualified professional students who are interested in promoting leadership, scholarship, and professional ethics in the field of pharmacy.

### **Phi Lambda Sigma (PLS)**

Psi chapter of Phi Lambda Sigma, the national pharmacy leadership society, was established at the University in 1989. Students selected for membership must be of high moral and ethical character, must have demonstrated dedication, service, and leadership in the advancement of pharmacy, must have completed at least 90 semester hours of scholastic work, and must be in good academic standing as defined by the College of Pharmacy.

### **Rho Chi**

Nu chapter of Rho Chi, the national pharmaceutical honor society, was established at the University in 1930. Charters for chapters of this organization are granted only to groups in colleges that are members in good standing of the American Association of Colleges of Pharmacy. Eligibility for membership in the society is based on scholarship, character, personality, and leadership. Students selected for membership must have a pharmacy grade point average of at least 3.20, must be in the top 20 percent of their class, and must have completed the first professional year of the pharmacy curriculum. All candidates must be approved by the Dean of the College of Pharmacy.

### **San Antonio Student Pharmacists Association (SASPA)**

The San Antonio Student Pharmacists Association (SASPA) was formed in the spring semester of 2010. This organization serves as a venue to bring The University of Texas at Austin College of Pharmacy students located in the San Antonio region together to impact the community and to promote the profession of pharmacy.

### **Student Industry Pharmacists Organization (SIPhO)**

This group's mission is to advance the experience of student pharmacists interested in industry careers by promoting knowledge, resources, academic support, and employment opportunities.

### **Student National Pharmaceutical Association, UT Chapter (SNPhA)**

The purpose of the SNPhA is to plan, organize, coordinate, and execute programs geared toward the improvement of the health, educational, and social environment of the minority community.

### **Student Chapter of the American College of Clinical Pharmacy, UT Chapter (UT-SCCP)**

The mission of SCCP is to adopt the purposes of the American College of Clinical Pharmacy. SCCP is focused on giving students exposure to clinical pharmacy, research, and academia. Students have opportunities to hear from and research with many different clinical pharmacists and researchers.

### **Student Society of Health-System Pharmacists, UT Chapter (UTSSHP)**

The student chapter of the Texas Society of Health-System Pharmacists is an organization for students interested in institutional or health-system pharmacy practice. An affiliate of the American and Texas Societies of Health-System Pharmacists, the organization considers a wide range of topics of interest to health professionals and encourages the broadest possible educational introduction to institutional pharmacy and pharmaceutical care. This introduction includes presentation of programs and seminars, tours of pharmacy practice sites, and distribution of literature. The chapter publicizes job openings in hospital pharmacies across the state.

### **Legal Requirements for Professional Practice**

Upon matriculation to the first professional year in the College of Pharmacy, each student-intern must apply to become an intern trainee with the [Texas State Board of Pharmacy](#). Each student must be registered as a student-intern, and subsequently as a student-intern, in order to acquire, through pharmacy courses, the internship hours necessary for licensure upon graduation as a pharmacist in Texas.

Students should be aware that the process of registration as an intern includes a criminal history and fingerprint check. The existence of a criminal record may preclude the student from registration as an intern, completion of experiential courses in the curriculum, and/or from subsequent licensure as a pharmacist in Texas. However, the Texas State Board of Pharmacy may grant limited internship status under certain conditions to those with prior convictions. It is possible that health care facilities in which students are placed for experiential coursework may mandate an additional background check and/or drug screen. Students assigned to these facilities must comply with all such requirements. If a student cannot be placed in practice facilities because of prior convictions that appear on any background check, or because of a positive drug screen, his or her graduation may not be possible or may be significantly delayed.

Students registered as student-interns will earn internship hours toward licensure through the professional sequence pharmacy courses. Internship hours gained outside the College of Pharmacy curriculum may not replace any portion of the experiential program required for graduation.

Students are required to inform the Student Affairs Office of any change in status that may affect intern registration or the ability to be placed in practice (experiential) sites.

Graduates of the College of Pharmacy are eligible to apply to the Texas State Board of Pharmacy for licensure as pharmacists. Licensure exams may be taken shortly after graduation. Postgraduate internship experience is not currently required for Texas licensure but may be required for licensure in other states.

Additional information about requirements for pharmacy licensure in Texas is available from the [Texas State Board of Pharmacy](#).

Intern registration and pharmacist licensure requirements are subject to change by the Texas State Board of Pharmacy. Students and graduates must meet current requirements, even if they differ from those described above.

### **Graduate Degrees (Research)**

Graduate programs leading to the Master of Science in the Pharmaceutical Sciences and the Doctor of Philosophy in the

Pharmaceutical Sciences or Translational Science are offered through the Graduate School and described in the [Graduate Catalog](#). The graduate student may specialize in one of six specialized tracks: chemical biology and medicinal chemistry, pharmacology and toxicology, molecular pharmaceuticals and drug discovery, pharmacotherapy, health outcomes, or translational science. The goal of graduate study in the College of Pharmacy is to develop the intellectual breadth and specialized training necessary for a career in teaching, research, or advanced professional practice. Emphasis is placed on the knowledge, methods, and skills needed for scholarly teaching, execution of original research and problem solving, intellectual leadership, and creative expression.

## Admission and Registration

### Admission

#### Admission to the University

For the College of Pharmacy's Pharm.D. program, admission and readmission are the responsibility of the dean of the College as delegated by the University's director of admissions. Students accepted to the Pharm.D. Program will be processed for admission to the University (if not already enrolled at The University of Texas at Austin).

#### Admission Policies of the College

##### Admission to the Professional Curriculum

Admission to the University in no way implies or guarantees admission to the professional curriculum. No student may begin the professional curriculum until he or she has been admitted to the professional curriculum in pharmacy by the dean, following recommendation by the Admissions Committee of the College of Pharmacy, according to the procedures outlined in this section regarding admission. All students must meet the admission requirements given in the catalog in effect at the time of application. If the number of eligible applicants to the professional curriculum exceeds the number that available facilities can accommodate, final selection is made by the college Admissions Committee and the dean.

The College of Pharmacy uses PharmCAS, the national Pharm.D. application system. All student applications must go through PharmCAS, and those accepted for enrollment in the college will be processed for direct admission to the University.

Students who are enrolled in a pharmacy program at another institution and who wish to transfer to the University should follow the normal Pharm.D. application process. Upon admission to the University and the professional curriculum, the student may request advanced standing in the pharmacy curriculum. Placement is contingent on availability of space and on transcript evaluation to determine University equivalencies for the student's coursework.

As a condition of admission to the college, each student must sign a statement that he or she agrees to accept assignment to any one of the college's experiential (internship) regions throughout the state. Cooperative arrangements for pharmacy education exist with academic units and health care institutions in the following internship regions: Austin/Temple/Waco, Dallas/Fort Worth, Galveston/Houston, San Antonio, and the Rio Grande Valley. Experiential regions may be added or deleted at any time based on the availability of resources.

Students assigned to San Antonio must spend the last two years of the professional program in that region. Students assigned to the other regions spend only the final year of the program (the fourth professional experiential year) in their assigned region.

Students are assigned to experiential regions through a computer-generated random assignment system that takes students' ranked preferences into account. Since most students relocate to experiential regions outside the Austin area, region assignment occurs during the latter part of the first professional year to allow students adequate time to make personal and financial arrangements. There are no exceptions to the region assignment process. If a student fails to agree to accept assignment to any region, he or she will not be admitted to the college.

#### Admission to the First Professional Year

Admission to the professional curriculum is competitive. The application process is conducted via the national Pharm.D. admissions program, PharmCAS, as specified on the [PharmCAS website](#) and linked via the [College of Pharmacy](#).

#### Basic Admission Criteria

- Scholarship, as indicated by grade point average and Pharmacy College Admission Test (PCAT) scores, including writing sample scores, are submitted via PharmCAS. Scores more than three years old are not accepted.
- Essay as specified in the PharmCAS application process.
- Letters of recommendation submitted via PharmCAS from people who know the applicant well professionally, especially pharmacist employers.
- Transcripts of all academic work submitted via PharmCAS.
- A résumé submitted via PharmCAS that provides details about the applicant's professional, organizational, volunteer, and service experience.

#### Additional Personal Factors

The information specified below is submitted either via PharmCAS or through the college's supplemental application.

- Pharmacy and other related work experience
- Organizational, service, and volunteer activities that demonstrate community involvement and leadership potential
- Teaching, tutoring, and mentoring experience
- Research experience
- Honors and awards
- Interview. Applicants are screened for interviews based on academic record, direct work experience in the profession, special life circumstances, and any other compelling factors. If the applicant is invited for an interview, then other factors are considered; these include but are not limited to the following:
  - Knowledge of and motivation for pharmacy as a career
  - Lifelong learning strategies
  - Critical thinking skills
  - Communication skills
  - Compassion and commitment to care
  - Respect toward others
  - Organizational efficiency
  - Integrity and ethical reasoning
    - Relationship-building skills
    - Leadership skills
  - Teamwork
- Special life circumstances; these include but are not limited to the following:
  - Single parent
  - Socioeconomic status of family
  - First generation attending college
  - Overcoming adversity

- e. Resident of an underserved area of the state or an area of Texas with a health professions shortage
- f. Race and ethnicity
- g. Cultural background

Because the University is a public institution, preference is given to applicants who are legal residents of Texas and to applicants from states without colleges of pharmacy. Applicants are strongly encouraged to examine the admission statistics published by the college on its [admissions website](#).

## Application Deadlines

The deadline to apply for admission to the college is specified on the [PharmCAS website](#) and linked via the [College of Pharmacy](#).

## Admission Requirements

- a. The applicant must have completed at least 66 semester hours in total, and must have completed the following 45 hours in prerequisite courses prior to enrolling in the professional pharmacy curriculum:
  - a. Nine hours of biology, including cellular and molecular biology, structure and function of organisms, and genetics
  - b. Eight hours of general chemistry with laboratory
  - c. Three hours of freshman-level rhetoric and writing
  - d. Three hours of sophomore-level survey of American, British, or world literature
  - e. Three hours of calculus
  - f. Three hours of statistics
  - g. Eight hours of organic chemistry with laboratory
  - h. Four hours of microbiology with laboratory
  - i. Four hours of physics with laboratory

The remaining 21 semester hours should be from the [Core Curriculum](#) (p. 23).

- b. The applicant must remove all deficiencies in high school units by the means prescribed in the *General Information Catalog* before seeking admission to the professional curriculum.

## Admission Procedures

- a. All applications for the Pharm.D. program will be handled through the national Pharm.D. admissions system, PharmCAS. Students must adhere to the deadlines for admission specified. The PharmCAS application process will include a supplementary application to the college (with a nonrefundable supplementary application fee) necessary to acquire additional academic information for University admission. Candidates will be notified if additional information is required.
- b. Selected applicants will be asked to appear for a personal interview. The personal interview will follow a multiple-mini interview (MMI) format.
- c. The applicant is considered on the basis of overall academic performance, with emphasis on grades in the required Pharm.D. prerequisite courses. In accordance with University policy, courses in which the applicant earned a grade of *D+*, *D*, *D-*, or *F* at another institution are not transferable and may not be used to fulfill any degree requirements. However, courses in which the student earned a grade of *D+*, *D*, or *D-* are considered when the student's admissibility to the professional curriculum is determined.
- d. Applicants who have been offered admission to the University and to the Pharm.D. program will be asked to pay a nonrefundable enrollment deposit to the University. If the student does enroll in the program that fall, the deposit will be applied to the semester's tuition bill.

- e. All students accepted for admission in the Pharm.D. program will be processed for admission to The University of Texas using the information in the PharmCAS application. Additional materials for University admission may be required:
  - a. A high school transcript, if the applicant's foreign language requirement was completed in high school. Official transcripts must be sent to the University's [Office of Admissions](#).
  - b. Scores on the Texas Higher Education Assessment (THEA) test (or an appropriate assessment test), if and only if the student is required by state law to take this test.
  - c. Credit earned by examination. These reports should be sent directly to the Testing and Evaluation Services—[Student Testing Services](#) at the University. This would be done if and only if the student had not previously claimed credit showing on the transcript.
  - d. Official transcripts for all colleges/universities attended.
- f. An applicant who has been admitted to the University and to the professional curriculum but fails to enroll in either, and who wishes to enter the professional curriculum in a subsequent fall semester, must reapply both to the University and to the College of Pharmacy and must meet all requirements in force at the time of reapplication.
- g. An applicant who has been admitted to and enrolls in the professional curriculum but subsequently withdraws, and who wishes to reenter in a subsequent fall semester, must apply for readmission to the professional curriculum and must meet all requirements in force at the time of reapplication. A student who has been out of the University for a semester or more must also apply for readmission to the University.

## Technical Standards

"Technical standards" are the observational, communication, sensory/motor, and intellectual skills, the behavioral and social attributes, and the ethical values required for the completion of the professional curriculum and for the practice of pharmacy. These standards are described on the [College of Pharmacy's website](#). Each applicant must attest that they have read and understand the technical standards. Any applicant who believes he or she may have difficulty meeting them should contact the college's director of admission.

## Registration

The *General Information Catalog* gives information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. The [Course Schedule](#) published before registration each semester and summer session, includes registration instructions, advising locations, and the times, places, and instructors of classes. The *Course Schedule* and *General Information* are published on the [Office of the Registrar's website](#).

Each semester the academic advisor for the college provides registration guidance that is specific to the College of Pharmacy.

## Registration as a Student-Intern

Upon matriculation to the first professional year, each student must register as a student-intern with the Texas State Board of Pharmacy. This is accomplished through completion of the Pharmacist-Intern Student Application. Each student must be registered as a student-intern in order to complete the academic requirements for the degree.

Additional information regarding intern registration and pharmacist licensure is given in the section [Legal Requirements for Professional Practice](#) (p. ). Requirements and regulations are subject to change by the Texas State Board of Pharmacy. Every attempt is made to inform students of changes as they occur.

# Academic Policies and Procedures

## Academic Standards

University regulations on scholastic probation and dismissal are given in the [General Information Catalog](#). In addition, the following academic standards are in effect in the College of Pharmacy.

## Academic Progress

- The student must repeat a required pharmacy course in which he or she earns a grade of *F*. The student who earns a grade of *D+*, *D*, or *D-* in a required pharmacy course becomes subject to the policies on academic probation and dismissal described below.
- The student must earn a grade of at least *C-* in each elective pharmacy course. If the student fails to earn a grade of at least *C-* in an elective pharmacy course, he or she may repeat the course or may take another elective course in its place, but only courses in which the student has earned a grade of at least *C-* may be counted toward the professional elective requirement.
- The student must earn an average of at least two grade points (2.00) a semester hour on all courses undertaken at the University, whether passed or failed in order to graduate. The student must also earn an average of at least two grade points (2.00) a semester hour on all required pharmacy courses undertaken, whether passed or failed.
- The student may not repeat for credit a course in which he or she has earned a grade of *C-* or better, except under circumstances approved by the dean.
- Pharmacy elective courses and laboratory problems courses can be taken on the letter-grade or pass/fail basis, unless otherwise stated in the [Course Schedule](#). However, the student must complete the [Professional Electives Course Requirement](#) (p. ) with approved elective courses taken for the letter grade basis.

## Academic Probation and Dismissal

A student is placed on academic probation in the College of Pharmacy if he or she receives a grade of *D+*, *D*, *D-*, or *F* in any required pharmacy course. If the grade received is an *F*, the student must repeat the course and may not progress to courses for which it is a prerequisite until he or she has earned a grade of at least *C-* in the failed course. If the initial grade received is a *D+*, *D*, or *D-*, the student may progress to courses for which the course is a prerequisite. The student may choose to repeat a course in which he or she received a *D+*, *D*, or *D-*; if the course does not conflict with other courses the student would normally take in the same semester; however, this choice affects the student's release from academic probation as described in the following section.

If the student receives more than two incompletes in required pharmacy courses, regardless of the grades ultimately awarded, he or she is subject to review by the Academic Performance Committee. The committee may choose to place the student on academic probation.

A student is subject to dismissal from the college if he or she receives more than one *D+*, *D*, *D-*, or *F* in required pharmacy courses in one semester. The student is also subject to dismissal if he or she receives an additional *D+*, *D*, *D-*, or *F* while on academic probation or conditional academic probation.

Students on academic probation are expected to focus on academic improvement and thus are not allowed to hold student offices (elected, appointed, or committee chairmanship) or receive college stipends for travel to professional meetings or other college-sponsored events.

## Release from Academic Probation

After receiving a grade of *F*, the student must repeat the course and earn a grade of at least *C-*. If the failed course is a prerequisite for another course, the student must repeat the course and earn a grade of at least *C-* before taking the course for which the failed course is a prerequisite. In the semester or summer session in which he or she repeats the course, the student must complete a full academic load, including at least five hours in required pharmacy courses and/or other courses recommended by the academic advisor. A full academic load is defined for this purpose as 12 hours in a long-session semester and six hours in the summer. The new grade is averaged with the grade of *F* when the student's pharmacy grade point average is calculated. If the new grade is *C-* or better, the student is released from academic probation if and only if he or she has earned no further grades of *D+*, *D*, *D-*, or *F* while on academic probation or conditional academic probation. If the student does not earn a grade of at least *C-* upon repeating the course, he or she is subject to academic dismissal.

After receiving a grade of *D+*, *D*, or *D-*, the student chooses whether or not to repeat the course, if the course does not conflict with other courses the student would normally take in the same semester. He or she may progress to courses for which the course in question is a prerequisite. If the student chooses to repeat the course, he or she must earn a grade of at least *C-*. If the new grade is a *C-* or better, the student is released from academic probation only if he or she has earned no further grades of *D+*, *D*, *D-*, or *F* while on academic probation or conditional academic probation. If the student does not earn a grade of at least *C-* upon repeating the course, he or she is subject to academic dismissal. The new grade is averaged with the grade of *D+*, *D*, or *D-* when the student's pharmacy grade point average is calculated.

If the student chooses not to repeat the course, he or she remains on academic probation (or conditional academic probation, described below) through completion of the P4 advanced pharmacy practice experiential courses in the final semester. To take the P4 experiential courses, the student must have a grade point average of at least 2.00 in required pharmacy courses. If the student earns the symbol *CR* in each P4 advanced pharmacy practice course, he or she is released from probation and graduates in good academic standing with the college.

## Conditional Academic Probation

If a student on academic probation receives no grade lower than *C-* in required pharmacy courses during the following semester or summer session in which he or she takes a full academic load, the student may be placed on conditional academic probation. This status allows the student to hold student office (elected, appointed or committee chairmanship) and to receive college stipends for travel to professional meetings or other college-sponsored events. The student remains on conditional academic probation until graduation and is subject to dismissal if he or she receives a second grade of *D+*, *D*, *D-*, or *F*.

## Academic Progression in the Pharm.D. Program

If the student's academic progression results in a two-year delay of progression at any time, he or she is subject to review by the Academic Performance Committee. The committee may choose to allow the student to continue in the program, place the student on conditional probation, or dismiss the student from the program.

## Comprehensive Milestone Exams and Academic Progression

During the third professional year, all students are required to complete a comprehensive P3 Milestone Exam. Students who successfully pass the exam will progress into the fourth, and final, professional year. Students who do not successfully pass the exam will be referred to

the Academic Performance Committee for progression decisions and targeted remediation.

At the end of the fourth professional year, all students are required to complete a comprehensive P4 Milestone Exam. Students who successfully pass the exam will progress towards graduation provided all other degree requirements have been met. Students who do not successfully pass the exam will be referred to the Academic Performance Committee for progression decisions and targeted remediation.

## Calculation of the Grade Point Average

- a. The student's University grade point average includes all courses taken at the University for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. If the student has repeated a course, including those courses for which he or she earned a grade of *D+*, *D*, *D-*, or *F*, all grades earned are included in the University grade point average.
- b. The student's College of Pharmacy grade point average includes all required professional courses (excluding ALL elective courses) taken at the University for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. When a student repeats a required pharmacy course, the second grade in the repeated course is averaged with the previous grade when the student's College of Pharmacy grade point average is calculated.

## The Academic Performance Committee

The College of Pharmacy Academic Performance Committee monitors the academic progress of students in the professional program. The committee makes recommendations to the dean regarding students' academic progress and academic probation and dismissal. The committee also makes recommendations to assist students who may be in academic difficulty. Any student in academic difficulty may be asked to appear before the committee for guidance. The committee hears all student appeals regarding academic progress and academic probation and dismissal. The committee aids the Admissions Committee in the evaluation of students who wish to return to the college after having been dismissed.

## Course Load and Sequence of Work

- a. To progress to the final-year experiential courses, the student must have successfully completed all basic education requirements and all required and elective pharmacy courses except those in the internship year.
- b. Because final-year experiential courses are offered on the pass/fail basis only, students must have attained both the University and the College of Pharmacy grade point average of at least 2.00 required for graduation before they begin the P4 advanced pharmacy practice experiential year.
- c. If a conflict arises between University requirements and a student's employment, the student must resolve the conflict in favor of the University requirements.
- d. A student who is not on academic probation must take at least 12 semester hours during any long-session semester, at least six hours of which must be for a letter grade (not pass/fail).
- e. A student on academic probation must take at least 12 semester hours during any long-session semester or at least six semester hours during the summer session in order to clear academic probation.
- f. Students may not take courses for degree credit at another institution without prior approval from the dean of the College of Pharmacy.
- g. All students seeking to reenter the College of Pharmacy after having been placed on academic dismissal must make formal application

through the Admissions Committee. The application is processed through the Admissions Committee with recommendations from the Academic Performance Committee and the approval of the dean.

## Quantity of Work

Graduate Quantity of Work rules apply to the Pharm.D. degree program. Quantity of work for this program is noted in the [General Information Catalog](#).

## Standards of Ethical Conduct

Pharmacy practitioners enjoy a special trust and authority based on the profession's commitment to a code of ethical behavior in its management of client affairs. The inculcation of a sense of responsible professional behavior is a critical component of professional education, and high standards of ethical conduct are expected of pharmacy students.

Toward that end, the faculty and students of the College of Pharmacy have pledged their support to the Policy Statement on Ethical Conduct and Scholastic Integrity and the Code of Ethics that implements this Policy Statement. Upon entering the College of Pharmacy, and each academic year thereafter, students are asked to recite and sign the following pledge:

"As a student of The University of Texas College of Pharmacy, I have reviewed and hereby pledge my full support to the Honor Code. I pledge to be honest myself, and in order that the spirit and integrity of the Honor Code may endure, I pledge that I will make known to the appropriate authorities cases of dishonesty which I observe in the College of Pharmacy."

In addition, the following oath, which students will be asked to sign, is included at the end of all class examinations: "I have neither participated in nor witnessed any acts of academic dishonesty pertaining to this assignment." At the discretion of the instructor, the oath may also be included for other assignments such as quizzes, written reports, or papers.

Students are also required to adhere to the University's Student Honor Code which states "As a student at The University of Texas at Austin, I shall abide by the core values of the University and uphold academic integrity." The entire text of the Student Honor Code and the University's Code of Conduct can be found at <http://www.utexas.edu/about/mission-and-values>.

The entire text of the Policy Statement on Ethical Conduct and Scholastic Integrity and the Honor Code are available at <https://pharmacy.utexas.edu/about/college-policies/code-conduct>.

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including failure of the course involved and dismissal from the college and/or the University. Since dishonesty harms the individual, fellow students, and the integrity of the University and the College of Pharmacy, policies on scholastic dishonesty are strictly enforced.

## Attendance in Class and Laboratories

Students in the College of Pharmacy are expected to attend all scheduled class and laboratory sessions in courses for which they are registered. If attendance is a course requirement that can impact the student's grade, the criteria for assessing attendance and consequences for nonattendance must be specified in the syllabus.



## Professional Liability Insurance

Professional liability insurance is required of all students each year of the professional pharmacy curriculum. Coverage in the amount of two million dollars for each claim and six million dollars in the aggregate per year is provided through the insurance policy. The annual premium is less than \$20.00 but is subject to change, and is payable by the student. The policy covers the period September 1 through August 31 and must be secured each year of the program through the University of Texas System.

## Medical Clearance Requirements

In addition to the University's immunization requirements, students must meet additional immunization requirements for students in healthcare programs as articulated in Title 25 of the Texas Administrative Code, Rule 97.64, and as mandated by the practice sites in which students participate in practicum experiences.

Immunization requirements are subject to change. Every effort is made to notify students promptly of any changes. A current list of vaccination requirements can be found on the [College of Pharmacy's website](#).

Although not a College of Pharmacy requirement, students may be subject to other health clearance requirements mandated by health care facilities for practicum.

## Student Health Insurance

Students must procure health insurance to cover treatment for injuries or illness, and must provide proof of insurance each year of the curriculum. This is especially important for the experiential components of the curriculum, spanning all four professional years, when students have frequent contact with patients in a number of different health care environments.

The Student Health Insurance Plan, operated under the auspices of University Health Services, offers optional low-cost insurance for students who are not covered by other programs. Information about this plan is available through University Health Services at <http://healthyhorns.utexas.edu/>.

## Honors

University-wide honors are described in the *General Information Catalog*. In addition, the College of Pharmacy encourages academic excellence through Rho Chi, the national pharmaceutical honor society, described in [Student Organizations](#) (p. ), and through the Pharmacy Honors Program.

## University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in the *General Information Catalog*.

## Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in the *General Information Catalog*.

## Pharmacy Honors Program

### Criteria for Admission

Students who plan to seek special honors in pharmacy should apply to the chair of the Honors Program Committee; they should apply before December 1<sup>st</sup> of the second professional year with August 1<sup>st</sup> prior to the third professional year as the final application deadline. Students interested in the Pharmacy Honors Program are strongly encouraged to enroll in Pharmacy PharmD 181R, *Research Opportunities in the Pharmaceutical Sciences* in the spring semester of their first professional year. The criteria for admission to the program are (1) admission to the professional curriculum; (2) a grade point average of at least 3.00 in all required professional coursework completed at the time of application to the program; (3) a letter of support from Honors Program research mentor; (4) completion of a Pharmacy PharmD 187R research rotation and (5) approval of the Honors Program Committee.

### Requirements for Completion

The Honors Program allows a student to learn about the research method and conduct a research project under the supervision of one or more faculty members over a series of four sequential courses. Each course contains a different written component. These are a research proposal (Pharmacy PharmD 290H), a research report (Pharmacy PharmD 291H), a research project (Pharmacy PharmD 292H) and a Research Honors thesis (Pharmacy PharmD 293H). Requirements for the completion of the Honors Program are (1) a grade point average of at least 3.00 in all required professional courses; (2) completion of Pharmacy PharmD 187R ; (3) completion of Pharmacy PharmD 290H, 291H, 292H, and 293H ; (4) presentation of research results (poster) at a research symposium or college event; (5) approval of the Honors thesis by the Honors Program Committee and (6) completion of the regular curriculum for the degree.

The statement "Research Honors in Pharmacy" appears on the transcript of each graduate certified to have completed the honors program.

## College of Pharmacy Recognition Awards

**The College of Pharmacy Award for Academic Achievement** recognizes a graduate who has demonstrated an outstanding grade point average, professional attitude, and excellent communication skills.

**The College of Pharmacy Award for Outstanding Research** recognizes a graduate who has demonstrated outstanding ability in areas of pharmacy research.

**The College of Pharmacy Award for Excellence in Patient Care** recognizes a graduate who has demonstrated excellence in patient care while pursuing the PharmD degree.

**The College of Pharmacy Award for Dedicated Service** recognizes a graduate who has shown a commitment to service above and beyond the norm.

**The College of Pharmacy Award for Exemplary Leadership** recognizes a graduate who has excelled in leadership while pursuing the PharmD degree.

**The College of Pharmacy Award for Innovation and Entrepreneurship** recognizes a graduate who has demonstrated creativity and novel approaches to improve patient care and the practice of pharmacy.

**The College of Pharmacy Alumni Association Mortar and Pestle Award for Leadership, Service, and Patient Care** recognizes an exceptional graduate who has demonstrated outstanding leadership, service, and patient care in the college, the University, and the community while

pursuing the PharmD degree. The award is a hand-carved mortar and pestle.

**The College of Pharmacy Class Officers** are elected by their classmates and serve as permanent officers of their class.

Students' scholarly accomplishments are also recognized through election to Rho Chi, the national pharmaceutical honor society, and through admission to the Pharmacy Honors Program. Students' leadership accomplishments are recognized through election to Phi Lambda Sigma, the national pharmacy leadership society.

## Graduation

All students must fulfill the [general requirements](#) (p. 20) for graduation. In addition, students seeking the Doctor of Pharmacy (Pharm.D.) must complete in residence 60 hours of the required professional curriculum, including the courses prescribed for the fourth professional year.

All University students must have a grade point average of at least 2.00 to graduate. In the College of Pharmacy, students must also have a grade point average of at least 2.00 in required professional courses to graduate.

A candidate must complete the prescribed curriculum and must meet all other requirements of the College of Pharmacy.

PharmD professional students are not required to submit a Graduation Application Form to graduate.

## Degrees and Programs

The University offers the Pharm.D. as the sole entry-level pharmacy practice degree. As described in the [mission](#) (p. ), this program emphasizes an integrated and problem-based approach to disease management as the core of the didactic, laboratory, and experiential program of study.

The capstone of the Pharm.D. program is a series of seven six-week rotations known as the advanced pharmacy practice experiences ([APPE](#)). Each APPE course requires a minimum of 45 on-site, practitioner-faculty-supervised hours of internship experience a week for six weeks.

The college expects but cannot guarantee that experiential regions will include Austin/Temple/Waco, Dallas/Fort Worth (the University of Texas Southwestern Medical Center and other area health care facilities), Galveston/Houston (the University of Texas Medical Branch at Galveston, the University of Texas M. D. Anderson Cancer Center, and other area health care facilities), the Rio Grande Valley (the University of Texas - Rio Grande Valley and health care facilities primarily in Harlingen and McAllen), and San Antonio (the University of Texas Health Science Center San Antonio and other area health care facilities). Students assigned to San Antonio spend two years in this region, while students assigned to other regions spend only the final year in the APPE region.

College of Pharmacy students who complete their experiential courses at the University of Texas Health Science Center at San Antonio are considered part of a joint Pharm.D. degree program and receive a degree awarded jointly by the two institutions. The joint nature of this program is reflected on the student's diploma.

In completing the Doctor of Pharmacy degree, students also fulfill the internship requirements of the Texas State Board of Pharmacy. The final year of APPE courses and several other practice-based experiential courses, beginning in the first professional year, make up the experiential program. The professional experience courses are currently approved

by the Texas State Board of Pharmacy to meet its standards for completion of the professional internship licensure requirement. The board reassesses all programs annually.

## Graduate Degrees (Research)

Graduate programs leading to the Master of Science in the Pharmaceutical Sciences and the Doctor of Philosophy in the Pharmaceutical Sciences or Translational Science are offered through the Graduate School and described in the [Graduate Catalog](#). The graduate student may specialize in one of six specialized tracks: chemical biology and medicinal chemistry, pharmacology and toxicology, molecular pharmaceuticals and drug discovery, pharmacotherapy, health outcomes, or translational science. The goal of graduate study in the College of Pharmacy is to develop the intellectual breadth and specialized training necessary for a career in teaching, research, or advanced professional practice. Emphasis is placed on the knowledge, methods, and skills needed for scholarly teaching, execution of original research and problem solving, intellectual leadership, and creative expression.

## Minor

While a minor is not required as part of the Pharm.D. degree program, the student may choose to complete additional coursework in a field outside of the College of Pharmacy. A course may not be counted both toward the minor and toward the 219 hours of work required for the Pharm.D. degree.

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin; students pursuing an integrated undergraduate/graduate program must complete the requirements for the minor within one year after completing the undergraduate requirements of their program. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minors and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

## Applicability of Certain Courses

### Physical Activity Courses

Physical activity (PED) courses are offered by the Department of Kinesiology and Health Education. They may not be counted toward a degree in the College of Pharmacy. However, they are counted among courses for which the student is enrolled, and the grades are included in the University grade point average.

### ROTC Courses

Courses in air force science, military science, and naval science may be substituted for a total of nine semester hours of non-pharmacy electives by students who complete the 16 to 20 semester hours of required air force science, military science, or naval science coursework and accept a commission in one of the services. These courses may not be counted toward the professional elective requirement.

### Correspondence and Extension Courses

Credit that a University student in residence earns simultaneously by correspondence or extension from the University or elsewhere or in residence at another school will not be counted toward a degree unless it is specifically approved in advance by the dean. No more than 30 percent of the semester hours required for any degree may be completed by correspondence, and no pharmacy courses taken by correspondence or extension may be counted toward a pharmacy degree.

## Core Curriculum

Each student must complete the University's [Core Curriculum](#) (p. 23). Because of the intensity and structure of the professional pharmacy curriculum, and because admission to the professional curriculum is highly competitive, the College of Pharmacy strongly recommends that students complete all of the core courses before they enter the college.

The following core requirements are usually met by the pre-professional and professional coursework described below: English composition with one writing flag, mathematics, science and technology (parts I and II), and humanities. Students must complete additional coursework to meet the core requirements listed below; the courses in each core area are listed in [Core Curriculum](#) (p. 23).

Requirements	Hours
<b>Additional Coursework</b>	
First-year signature course	3
American and Texas government	6
American history	6
Social and behavioral sciences	3
Visual and performing arts	3
<b>Total Hours</b>	<b>21</b>

Transfer students who complete the core curriculum at another public Texas institution of higher education with core completion specified on their transcript and who are then admitted to the Pharm.D. program are considered "core complete" by the University. Core curriculum requirements are waived for students admitted to the Pharm.D. program who have previously earned a bachelor's degree.

## Prescribed Work

Students who enter the Doctor of Pharmacy degree program must complete a minimum of 219 semester hours of coursework in the following areas: the core curriculum, additional basic education requirements, professional electives, and pre-professional and professional coursework.

## Flags

All students must also earn the following skills and experiences flags: writing, quantitative reasoning, cultural diversity in the United States, ethics, global cultures, and independent inquiry. See skills and experiences for more information; courses that carry these flags are identified in the *Course Schedule*. All skills and experience flags are fulfilled by courses within the professional pharmacy sequence, except for global cultures.

Flag requirements are waived for students admitted to the professional curriculum who have already earned a bachelor's degree.

## Foreign Language Requirement

All students must complete the [foreign language](#) (p. ) requirement before they enter the professional curriculum (unless they hold a prior bachelor's degree).

## Professional Electives Course Requirement

The student must complete at least four professional elective courses, for a total of at least 11 semester hours, on the letter-grade basis. The student must take the courses used to fulfill the professional electives requirement after admission to the professional curriculum.

## Concurrent Degrees, Pathways, and Programs

### Doctor of Pharmacy/Master of Public Health

Students who have been admitted to the Pharm.D. program can apply for a Master of Public Health (MPH) degree through The University of Texas Health Science Center at Houston's School of Public Health. Students will complete requirements for both the Pharm.D. and MPH concurrently over the course of four years. Information about this option is available through the Associate Dean for Academic Affairs.

### Doctor of Pharmacy-To-Doctor of Philosophy Pathway

The college offers a sequential Pharm.D.-to-Ph.D. degree program to qualified Pharm.D. students. The program combines the features of a professional Pharm.D. degree with the advanced research training of a pharmaceutical sciences Ph.D. degree. The areas of emphasis of the program are: Chemical Biology and Medicinal Chemistry, Health Outcomes, Molecular Pharmaceutics and Drug Delivery, Pharmacology and Toxicology, and Pharmacotherapy. Information about this program is available through the Associate Dean for Research and Graduate Studies.

### Lester Entrepreneurial Scholars Program

The Lester Entrepreneurial Scholars Program is designed to prepare pharmacy students in the professional program to develop entrepreneurial and innovative leadership and thinking skills to tackle healthcare issues in innovative new ways. The Program goals are to: identify, nurture, and promote entrepreneurship and innovation skills; promote innovative ideas that improve patients' lives; and, have projects go from concept to development. The program consists of distinct tracks: product entrepreneurship such as pharmaceuticals and technology; services entrepreneurship including pharmacy services and pharmacy business ownership; and, social entrepreneurship such as social, cultural, and environmental business ventures. Additional information can be found on the program [website](#).

### Pathways of Distinction

The Pathways of Distinction are designed to prepare students in a specific area of pharmacy practice. Students must apply to a specific pathway during their second professional year. Each pathway has specific requirements that include elective and experiential education requirements in addition to a final project. Information about this option is available through the Associate Dean for Academic Affairs.

## Suggested Arrangement of Courses, Pharmacy (PharmD), Preprofessional and Professional Coursework

The following courses are required. The course sequence given here shows the usual order in which courses are taken to fulfill prerequisite requirements and illustrates the feasibility of completing requirements for the degree within six calendar years. Students who depart significantly from this sequence may need more time to complete their coursework, because most courses are taught only once a year and because in a given semester the scheduled meeting time of a preprofessional or professional course may conflict with the times of core courses or professional electives.

**First Preprofessional Year**

First Term	Hours	Second Term	Hours
BIO 311C		3 U.S. history	3
CH 301		3 Social and behavioral sciences core course	3
M 408K or 408N		4 BIO 311D	3
RHE 306		3 SDS 301	3
UGS 302 or 303 <sup>1</sup>		3 CH 204	2
		CH 302	3
		<b>16</b>	<b>17</b>

**Second Preprofessional Year**

First Term	Hours	Second Term	Hours
CH 320M		3 BIO 226L	2
PHY 302K		3 U.S. and Texas government	3
PHY 102M		1 U.S. history	3
U.S. and Texas government		3 Visual and performing arts core course	3
BIO 325		3 CH 220C	2
E 316L, 316M, 316N, or 316P		3 CH 320N	3
		BIO 326R	3
		<b>16</b>	<b>19</b>

**First Professional Year**

First Term	Hours	Second Term	Hours
PHM 381M		3 PHM 283L	2
PHM 387M		3 PHM 281N	2
PHM 180K		1 PHM 388M	3
PHM 180P		1 PHM 188P	1
PHM 287N		2 PHM 480D	4
PHM 480C		4 PHM 180	1
PHM 184M		1 PHM 185N	1
PHM 187F		1 PHM 187G	1
PHM 181V		1 PHM 182V	1
PHM 181S		1 PHM 181T	1
PHM 191U		1 PHM 191V	1
		<b>19</b>	<b>18</b>

**Second Professional Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHM 282E		2 PHM 390N		3 PHM 383I	3
PHM 295Q		2 PHM 282F			2
PHM 384L		3 PHM 182I			1
PHM 181		1 PHM 186Q			1
PHM 182		1 PHM 184			1
PHM 383		3 PHM 185			1
PHM 183V		1 PHM 486			4
PHM 182S		1 PHM 184V			1
PHM 192U		1 PHM 182T			1
Professional Elective(s)		3 PHM 192V			1
		Professional Elective(s)			2
		<b>18</b>	<b>18</b>		<b>3</b>

**Third Professional Year**

First Term	Hours	Second Term	Hours
PHM 183F		1 PHM 384E	3
PHM 183G		1 PHM 393F	3
PHM 295R		2 PHM 291	2
PHM 187		1 PHM 292	2
PHM 288		2 PHM 193	1
PHM 189		1 PHM 186V	1
PHM 190		1 PHM 183T	1
PHM 284I		2 PHM 193V	1
PHM 185I		1 Professional Elective(s)	3

PHM 185V	1
PHM 183S	1
PHM 193U	1
Professional elective(s)	3
<hr/>	
	<b>18</b>
	<b>17</b>

**Fourth Professional Year**

First Term	Hours	Second Term	Hours	Summer Term	Hours
PHM 693E		6 PHM 693S		6 PHM 693C	6
PHM 693N		6 PHM 694C			6
PHM 693P		6 PHM 694E			6
		<b>18</b>		<b>18</b>	
		<b>18</b>		<b>6</b>	

Note: The order in which students take the fourth-year internships is at the discretion of the College of Pharmacy.

Total credit hours: 221

<sup>1</sup> Students should consider enrolling in a First-Year Signature Course that also satisfies the global cultures flag requirement.

## Courses, College of Pharmacy

Please see the [General Information Catalog](#) for a list of courses. The following field of study is housed in the College of Pharmacy: [Pharmacy PharmD \(PHM\)](#).

## College of Pharmacy Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Daniel Acosta Jr, Adjunct Professor  
College of Pharmacy  
PhD, University of Kansas Main Campus, 1974

Wyanza Renee Acosta, Clinical Professor  
College of Pharmacy  
MS, University of Texas at Austin, 1998

Janci Addison, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

Aurora Alaniz, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas - Pan American, 2021

Jon T Albrecht, Clinical Assistant Professor  
College of Pharmacy  
BS, Auburn University, 1982

Linda S Albrecht, Clinical Assistant Professor  
College of Pharmacy  
MBA, University of Texas at Arlington, 1990

Patrick J Allen, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Kentucky, 2019

Angela A Allerman, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1991

Analiza Amaya, Clinical Assistant Professor  
College of Pharmacy

PharmD, Texas Southern University, 1994

Princess I Ananti, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of North Texas Health Science Center at Fort Worth, 2020

Alexis Leigh Balko, Clinical Instructor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2006

Jamie C Barner, Professor  
Clifford L. Klinck, Jr. Centennial Professorship in Pharmacy Administration  
College of Pharmacy  
PhD, Purdue University Main Campus, 1998

Colleen A Barthol, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Missouri - Kansas City, 1998

Abbi P Baum, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Purdue University Main Campus, 2020

William Benefield Jr, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1991

Maggie E Benton, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Tennessee Health Science Center, 2021

Sarah E Berman, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Cedarville University, 2021

Kajal P Bhakta, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Oklahoma Health Sciences Center, 2018

Heather Payton Blacksmith, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Saint Louis College of Pharmacy, 2010

Phillip D Bowman, Adjunct Assistant Professor  
College of Pharmacy  
PhD, University of California-Santa Cruz, 1975

Rebecca L Brady, Clinical Instructor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2006

Joseph Brewster, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2015

Kendall Harper Brickel, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Carolyn M Brown, Professor  
Henry M. Burlage Centennial Endowed Professorship in Pharmacy  
College of Pharmacy and John L Warfield Center for African and African American Studies  
PhD, University of Florida, 1994

Maddie Burgess, Instructor In Clinical Pharmacy  
College of Pharmacy

PharmD, University of Texas at Austin, 2021

Angela Hughes Campbell, Clinical Instructor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2005

Todd W Canada, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1993

Laura A Cannon, Clinical Assistant Professor  
College of Pharmacy and Department of Oncology  
PharmD, University of Kentucky, 2016

Justin W Carter, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of the Incarnate Word, 2021

Ashley Nicole Castleberry, Clinical Associate Professor  
College of Pharmacy  
PharmD, University of Arkansas for Medical Sciences, 2011

Samantha Marie Catanzano, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2016

Dara Rachael Chaffin, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2013

Chi-Yim J Chan-Lam, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of California-San Francisco, 1986

Amanda Charles, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Ashley Nwakaego Chasse, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Oklahoma Health Sciences Center, 2013

Isabella Chiyi Chen, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Elaine Chiquette, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at San Antonio, 1994

Sheena N Chokshi, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Texas Tech University Health Sciences Center, 2019

Charlene A Church, Clinical Instructor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1996

Lauren Ashley Clark, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2007

Andrea L Coffee, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1994

Claudia S Colombo, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Saint Louis College of Pharmacy, 2002

Claudio J Conti, Adjunct Professor  
College of Pharmacy  
PhD, University of Buenos Aires, 1983

Jillian K Contreras, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

M Lynn Crismon, Professor  
Behrens Inc. Centennial Professorship in Pharmacy  
Department of Psychiatry and College of Pharmacy  
PharmD, University of Texas at Austin, 1979

Mitchell D Crouch, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

Michael M Crowley, Adjunct Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2003

Barrett R Crowther, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Wisconsin-Madison, 2009

Maria A Croyle, Professor  
Glaxo Wellcome Inc. Endowed Professorship in Pharmacy  
College of Pharmacy  
PhD, University of Michigan-Ann Arbor, 1997

Zhengrong Cui, Professor  
College of Pharmacy, Department of Pediatrics, and Department of  
Oncology  
PhD, University of Kentucky, 2002

Nicole L Cupples, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, The University of Findlay, 2010

Molly Fiona Curran, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2014

Antonio F Currie, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Auburn University, 2021

Kevin N Dalby, Professor  
Johnson & Johnson Centennial Professorship in Pharmacy  
College of Pharmacy and Department of Oncology  
PhD, University of Cambridge, 1992

Divya Merry Daniel, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Tennessee Health Science Center, 2014

Renee K Danysh, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2006

Joseph F Dasta, Adjunct Professor  
College of Pharmacy  
MS, Ohio State U Main Campus, 1976

Danielle Brittany Dauchot, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Belmont University, 2021

Aileen F Daus, Instructor In Clinical Pharmacy

College of Pharmacy  
PharmD, University of Arizona, 2020

Patrick J Davis, Professor  
Eckerd Centennial Professorship in Pharmacy  
College of Pharmacy  
PhD, University of Iowa, 1976

Mikaela Dawn Debarba, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2016

Jennifer L Defilippi, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Rutgers the State University of New Jersey New Brunswick  
Campus, 1997

Sharon DeMorrow, Professor  
College of Pharmacy and Department of Medicine  
PhD, University of Queensland, 1999

Rose Denzer, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Rebecca L Deville, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of North Texas Health Science Center at Fort Worth,  
2021

Jonathan Diaz, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Houston, 2020

John Digiovanni, Professor  
Coulter R. Sublett Chair in Pharmacy  
College of Pharmacy and Department of Pediatrics  
PhD, University of Washington - Seattle, 1978

James C Dinunzio, Adjunct Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2009

Elysha Denise Donaldson, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2003

Christine L Duvauchelle, Associate Professor  
College of Pharmacy and Department of Psychology  
PhD, University of California-Santa Barbara, 1991

Kathryn E Dzintars, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Pittsburgh, Pittsburgh Campus, 2003

Kelly L Echevarria, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Creighton University, 1997

Sarah L Edwards, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Texas A&M University-Kingsville, 2021

Lauren A Eichinger, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Houston, 2021

Richard R Espinosa, Adjunct Assistant Professor  
College of Pharmacy

PharmD, University of Texas at Austin, 2001

Martha Frances Evans, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2017

Kirk Evan Evoy, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Purdue University Main Campus, 2013

Lisa E Farnett, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas Health Science Center at San Antonio, 1988

Lane Burton Farrell, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Kansas Main Campus, 2014

Walter L Fast, Professor  
College of Pharmacy  
PhD, Northwestern University, 1998

Candice Arlene Fischer, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of New Mexico Main Campus, 2014

Susan M Fischer, Adjunct Professor  
College of Pharmacy  
PhD, University of Wyoming, 1974

Roberto C Flotte, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Medical College of Wisconsin, 2021

Laura K Fonken, Assistant Professor  
College of Pharmacy and Department of Psychology  
PhD, The Ohio State University Main Campus, 2013

Maha Z Foote, Adjunct Associate Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2000

Cynthia A Foslien, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Nebraska Medical Center, 1985

Ana Crystal Franco, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2007

Alan Frazer, Adjunct Professor  
College of Pharmacy  
PhD, Peninsula College, 1969

Christopher R Frei, Professor  
William J. Sheffield Centennial Endowed Professorship in Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2001

Terra L Furney, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of the Incarnate Word, 2020

Kelly Gamble, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Georgia, 2020

Conrado D Gamboa III, Adjunct Assistant Professor  
College of Pharmacy

BS, University of Texas at Austin, 1985

David B Garcia, Adjunct Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 1977

Eduardo Garcia, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Samantha Genevieve Garcia, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Keck Graduate Institute, 2021

Kristin Ashley Garling, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Virginia Commonwealth University, 2008

Aida A Garza, Adjunct Assistant Professor  
College of Pharmacy and Department of Population Health  
PharmD, University of Texas at Austin, 2007

Anyssa Sebia Garza, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2011

Javier Rolando Garza, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2012

Michael J Gass, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Midwestern University (Arizona), 2007

Gerard W Gawrys, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Saint Louis College of Pharmacy, 2011

Amanda Taylor Gee, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Houston, 2021

Debadityuti Ghosh, Associate Professor  
College of Pharmacy  
PhD, Rice University, 2006

Diane B Ginsburg, Clinical Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2014

William Randolph Godinez, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

Nishi S Goel, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2008

Rueben A Gonzales, Professor  
Jacques P. Servier Regents Professorship in Pharmacy  
College of Pharmacy and Department of Psychology  
PhD, University of Texas at Austin, 1983

Carrie E Gonzalez, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2008

Andrea C Gore, Professor  
Mildred Hajek Vacek and John Roman Vacek Chair in Pharmacology, in  
Honor of Professor C. C. Albers

College of Pharmacy and Department of Psychology  
PhD, University of Wisconsin-Madison, 1990

Roberta L Grant, Adjunct Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 1995

Belinda K Green, Adjunct Assistant Professor  
College of Pharmacy  
BS, University of Texas at Austin, 1990

Catlin Lee Grisham-Takac, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Texas Tech University, 2015

Veronica I Guerra, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2011

Cynthia A Gutierrez, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2001

Brennen T Guzik, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Campbell University, 2021

Ryan Lee Hadley, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Texas Tech University Health Sciences Center, 2015

Catherine S Hall, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1999

Reed C Hall, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Midwestern University (Arizona), 2007

Gaielle Harb, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of the Incarnate Word, 2020

Sarah R Hardt, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2012

Lydia A Herrera, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2000

Jon D Herrington, Adjunct Associate Professor  
College of Pharmacy  
PharmD, Saint Louis College of Pharmacy, 1992

Russell A Higgins, Adjunct Assistant Professor  
College of Pharmacy  
MD, University of New Mexico Main Campus, 2002

Lucas Grant Hill, Clinical Associate Professor  
College of Pharmacy  
PharmD, University of Missouri - Kansas City, 2013

April Janae Hinds, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Arkansas for Medical Sciences, 2013

Collin A Hovinga, Clinical Associate Professor  
College of Pharmacy

PharmD, Creighton University, 1997

James Hsu, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

John K Huang, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2003

Kristin Marie Janzen, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2015

Theresa C Jaso, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2001

Kendra E Johanson, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Roseman University of Health Sciences, 2021

David G Johnson, Adjunct Associate Professor  
College of Pharmacy  
PhD, University of Texas Southwestern Medical Center at Dallas, 1991

Melissa A Johnson, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1997

Jason R Jokerst, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Nebraska Medical Center, 2005

David J Jones, Adjunct Professor  
College of Pharmacy  
PharmD, University of Texas Health Science Center at San Antonio, 1974

Sharon A Jung, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas Health Science Center at San Antonio, 1995

Hyeun Ah Kang, Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2019

Tamer Saad Kaoud, Research Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2012

James A Karboski, Clinical Professor  
College of Pharmacy  
PharmD, University of Texas at San Antonio, 1988

Dean L Kellogg Jr, Adjunct Professor  
College of Pharmacy  
PhD, University of Texas Health Science Center at San Antonio, 1989

Monte A Kenaston, Adjunct Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2010

Sean M Kerwin, Adjunct Associate Professor  
College of Pharmacy  
PhD, University of California-Berkeley, 1989

Dawit Kidane-Mulat, Assistant Professor  
College of Pharmacy and Department of Pediatrics  
PhD, Albert Ludwig University Freiburg im Breisgau, 2005



Morgan T Klein, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, South Dakota State University, 2019

Kristina J Klein-Bradham, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2004

Jodi M Klocek, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Mississippi, 1996

Jim M Koeller, Professor  
College of Pharmacy  
MS, University of Wisconsin-Madison, 1980

John Kozarich, Adjunct Professor  
College of Pharmacy  
PhD, Massachusetts Institute of Technology, 1975

Sarah Elizabeth Kubes, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Houston, 2011

Phillip H Lai, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2007

Yui-Wing F Lam, Clinical Associate Professor  
College of Pharmacy  
PharmD, University of Minnesota-Twin Cities, 1984

Clay Lambert, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Claire Anna Latiolais, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Purdue University Main Campus, 2015

Rebecca Lavasani, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Roseman University of Health Sciences, 2019

Kenneth A Lawson, Professor  
Smithkline Centennial Professorship in Pharmacy  
College of Pharmacy  
PhD, University of Texas at Austin, 1992

VI HOANG TU LE, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of the Incarnate Word, 2021

Grace Lee, Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2016

Seongmin Lee, Associate Professor  
Jaime N. Delgado Endowed Chair in Pharmacy  
College of Pharmacy and Department of Oncology  
PhD, Purdue University Main Campus, 2004

Mitchell R Lestico, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Wisconsin-Madison, 1992

Melissa R Lewis, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of New Mexico Main Campus, 2007

Selina A Liang, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Roseman University of Health Sciences, 2020

Jennifer B Lim, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Houston, 2021

Tori Jayde Lindbloom, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, The University of Montana, 2021

Sara Jean Linedecker-Smith, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Purdue University Main Campus, 2013

Justina Lipscomb, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Roseman University of Health Sciences, 2012

Kathryn Page Litten, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Belmont University, 2017

Hung-Wen Liu, Professor  
George H. Hitchings Regents Chair in Drug Design  
College of Pharmacy and Department of Chemistry  
PhD, Columbia University in the City of New York, 1981

Cindy Luu, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2008

Michael C Macleod, Adjunct Professor  
College of Pharmacy  
PhD, University of Oregon, 1974

Melanie Mahoney, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Minnesota-Twin Cities, 2020

Regina A Mangieri, Research Assistant Professor  
College of Pharmacy  
PhD, University of California-Irvine, 2008

Mohammed Maniruzzaman, Assistant Professor  
College of Pharmacy  
PhD, University of Greenwich, 2013

Chen Mao, Adjunct Assistant Professor  
College of Pharmacy  
PhD, Purdue University Main Campus, 2006

Emory S Martin, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of California-San Francisco, 1984

Brian Masek, Adjunct Professor  
College of Pharmacy  
PhD, California Institute of Technology, 1987

Alberto Matamoros, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Texas A&M University-Kingsville, 2021

Pamela R Maxwell, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1994

Theresa A Mays Hutchings, Clinical Assistant Professor

College of Pharmacy  
PharmD, University of Oklahoma Health Sciences Center, 1994

Megan A McKee, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Arizona, 2008

Nicole L McMaster, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Missouri - Kansas City, 2002

Mina Mehvar, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2010

Kathryn G Merkel, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of North Carolina at Chapel Hill, 2010

April Ann Messett, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2007

Elizabeth A Meszaros, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

Lisa M Mican, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2000

Harshaben H Mistry, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2004

Leticia R Moczygemba, Associate Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2008

Deirdre M Monroe, Clinical Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2003

Eugene Moore, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Southeastern University, 1992

Tera D Moore, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of New Mexico Main Campus, 2003

Rebecca D Moote, Clinical Associate Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2007

Vanessa K Morales, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2004

Clarissa Moreno, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Texas Tech University Health Sciences Center, 2003

Alex Moskhos, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2021

Somshuvra Mukhopadhyay, Associate Professor  
College of Pharmacy

PhD, New York Medical College, 2008

Luis A Natividad, Assistant Professor  
College of Pharmacy  
PhD, University of Texas at El Paso, 2012

Jordan D Nelson, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Drake University, 2009

Jenny S Ngo, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2008

Thanh hao T Ngo, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Oklahoma Health Sciences Center, 2003

Michelle V Nguyen, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2007

Kimberly Nixon, Professor  
College of Pharmacy and Department of Psychology  
PhD, University of Texas at Austin, 2000

Sobia M Noormohammed, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Houston, 2021

Suzanne Novak, Clinical Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2005

Dannielle C O'donnell, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Rutgers the State University of New Jersey Camden Campus, 1993

John T O'neill, Adjunct Assistant Professor  
College of Pharmacy  
Diploma (High School), , 1951

Natalie Osagie, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Texas Southern University, 2010

John C Otts Jr, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Minnesota-Twin Cities, 2021

Ian W Pace, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1999

Neil C Pan, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2005

Deepali S Parikh, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Pittsburgh, Pittsburgh Campus, 1999

Chanhyun Park, Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 2016

Sheevum H Patel, Assistant Professor of Practice  
College of Pharmacy

PharmD, University of Texas at Austin, 2015

Liza J Paul, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Florida, 2004

Diana Paz, Adjunct Assistant Professor  
College of Pharmacy  
PhD, University of Houston, 2009

Justin Pedigo, Clinical Assistant Professor  
College of Pharmacy  
PharmD, Texas Tech University Health Sciences Center, 2016

Jodie L Pepin, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2001

Maria D Person, Adjunct Associate Professor  
College of Pharmacy  
PhD, University of Chicago, 1991

Jay I Peters, Adjunct Professor  
College of Pharmacy  
MD, Baylor College of Medicine, 1977

Damian Peterson, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of North Carolina at Chapel Hill, 2020

Patrick S Pevoto, Clinical Assistant Professor  
College of Pharmacy  
MD, University of Texas Medical Branch, 1983

Stacey J Phillips, Assistant Professor of Practice  
College of Pharmacy  
PharmD, University of Texas at Austin, 2005

Tracie Phillips, Adjunct Assistant Professor  
College of Pharmacy  
PhD, Texas A & M University, 2006

Denise Pinal, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2006

Samuel Poloyac, Professor  
James T. Doluisio Regents Chair in Pharmacy  
College of Pharmacy  
PhD, University of Kentucky, 1999

Nathan D Pope, Clinical Associate Professor  
College of Pharmacy  
PharmD, Rutgers the State University of New Jersey New Brunswick  
Campus, 2002

Gabriel J Quintanilla, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2002

Ravina Rana, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

Karen L Rascati, Professor  
Stewart Turley/Eckerd Corporation Centennial Endowed Professorship in  
Pharmacy  
College of Pharmacy  
PhD, University of Florida, 1986

Kristin C Reed, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Auburn University, 2007

Kelly Renee Reveles, Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2010

John H Richburg, Professor  
Gustavus and Louise Pfeiffer Professorship in Toxicology  
College of Pharmacy and Department of Oncology  
PhD, Rutgers the State University of New Jersey Camden Campus, 1993

Rochelle Mendiola Roberts, Assistant Professor of Instruction  
College of Pharmacy  
PhD, University of Texas at Austin, 2008

Mauricio L Rodriguez, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Texas Southern University, 2003

Ralph Rodriguez, Adjunct Assistant Professor  
College of Pharmacy  
MS, University of Texas at San Antonio, 1988

Dusten T Rose, Assistant Professor of Practice  
College of Pharmacy  
PharmD, Ferris State University, 2008

Rebecca A Rottman, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Southern California, 2003

Veronica C Rudder, Clinical Instructor  
College of Pharmacy  
BD, University of Texas at Austin, 1983

Andres D Ruiz, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2008

Sharon K Rush, Clinical Associate Professor  
College of Pharmacy  
BS, University of Texas at Austin, 1986

Laurajo Ryan, Clinical Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2000

Paula G Rychlik, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2005

Achinto Saha, Research Assistant Professor  
College of Pharmacy  
PhD, Tokushima Bunri University, 2010

Stephen R Saklad, Clinical Professor  
College of Pharmacy  
PharmD, University of Southern California, 1978

Rahul M Sasane, Adjunct Assistant Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 1998

Amber N Seay, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, East Tennessee State University, 2021

Leah Selznick, Instructor In Clinical Pharmacy

College of Pharmacy  
PharmD, Virginia Commonwealth University, 2020

Meera Shah, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of New Mexico Main Campus, 2021

Ann M Shangraw, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Arizona, 2020

Thomas C Shank, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Tennessee Health Science Center, 1983

Roopali Sharma, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of North Carolina at Chapel Hill, 2020

Leslie R Simien, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of California-San Francisco, 2011

Josiah Paul Smith, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Butler University, 2014

Hugh D Smyth, Professor  
Alcon Centennial Professorship in Pharmacy  
College of Pharmacy  
PhD, University of Otago, 2000

Marissa R Snider, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Iowa, 2021

Sara L Solis, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2011

Lisa H Song, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of North Carolina at Chapel Hill, 2011

Maaya Srinivasa, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, Texas A & M University - Kingsville, 2011

Mitzi A Stansberry, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2010

Morgan Payne Stewart, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Houston, 2015

Yongchao Su, Adjunct Associate Professor  
College of Pharmacy  
PhD, Iowa State University, 2011

Kristina Sucic, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Pittsburgh, Pittsburgh Campus, 2012

Kimberly K Summers, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Missouri - Kansas City, 1995

Quang Vi Ta, Instructor In Clinical Pharmacy  
College of Pharmacy

PharmD, University of Kansas Main Campus, 2018

Dean G Tang, Adjunct Associate Professor  
College of Pharmacy  
PhD, Wayne State University, 1994

Yasar O Tasnif, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2002

Holli L Temple, Clinical Associate Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1999

Andrew P Ten Eick, Adjunct Associate Professor  
College of Pharmacy  
PharmD, University of Iowa, 1996

Melissa Thompson, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Florida, 2021

Carlos Tirado, Associate Professor of Practice  
College of Pharmacy  
MD, University of Texas Health Science Center at Houston, 1999

Jonathan L Tran, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Maryland Baltimore, 2020

Kristi A Traugott, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2008

Shana K Trice, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1997

Curtis L Triplitt, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1995

Kenneth J Utz, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Oklahoma Health Sciences Center, 2006

Carla L Vandenberg, Associate Professor  
College of Pharmacy and Department of Oncology  
PharmD, University of Texas at Austin, 1991

Karen Marie Vasquez, Professor  
James T. Doluisio Regents Professorship in Pharmacy  
College of Pharmacy, Department of Pediatrics, and Department of Oncology  
PhD, Baylor College of Medicine, 1996

Lindsay Sara Vasquez, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of the Incarnate Word, 2012

Susie A Vasquez, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1997

John F Villanacci, Adjunct Associate Professor  
College of Pharmacy  
PhD, University of Michigan-Ann Arbor, 1983

Leticia R Villela, Adjunct Assistant Professor  
College of Pharmacy

PharmD, University of Texas at Austin, 2003

Kristie A Vinklarek, Clinical Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2001

Roopa N Viswanathan, Adjunct Assistant Professor  
College of Pharmacy and College of Natural Sciences  
MBA, University of Texas at Austin, 2012

Van Anh Vu, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, Oregon Health and Science University, 2020

Cheryl L Walker, Adjunct Professor  
College of Pharmacy  
PhD, Tex Hlth Sci C Dallas, U, 1984

Skyller Walkes, Assistant Professor of Instruction  
College of Pharmacy  
PhD, Texas State University, 2017

Janet C Walkow, Clinical Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 1982

Guliang Wang, Research Assistant Professor  
College of Pharmacy  
PhD, Zhejiang University, 2002

Alan Bayard Watts, Adjunct Assistant Professor  
Department of Pediatrics and College of Pharmacy  
PhD, University of Texas at Austin, 2009

Jessica Watts, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of South Carolina - Columbia, 2020

Terry H Weaver, Clinical Assistant Professor  
College of Pharmacy  
BS, University of Texas at Austin, 1997

Patrick Whaley, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Texas at Austin, 2020

Christian P Whitman, Professor  
Romeo T. Bachand, Jr. Regents Professorship in Pharmacy  
College of Pharmacy  
PhD, University of California-San Francisco, 1984

Nathan P Wiederhold, Adjoint Associate Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2000

Amber L Williams, Instructor In Clinical Pharmacy  
College of Pharmacy  
PharmD, University of Iowa, 2021

Robert O Williams III, Professor  
Johnson & Johnson Centennial Chair in Pharmacy  
College of Pharmacy  
PhD, University of Texas at Austin, 1986

James Paul Wilson Jr, Associate Professor  
College of Pharmacy  
PhD, Purdue University Main Campus, 1986

Holly N Winkler, Clinical Instructor  
College of Pharmacy

PharmD, University of Texas at Austin, 2006

Mark J Wong, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2004

Consuelo M Worley, Clinical Assistant Professor  
College of Pharmacy  
MS, University of Texas at Austin, 2002

Chanin C Wright, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2001

Robert Wright, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 1996

Kun Yang, Assistant Professor  
College of Pharmacy  
PhD, University of Delaware, 2016

Veronica S Young, Clinical Professor  
College of Pharmacy and Department of Medical Education  
PharmD, Creighton University, 1993

Stephanie Rose Younts, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas at Austin, 2005

Edward M Zastawny, Adjunct Assistant Professor  
College of Pharmacy  
PharmD, University of Texas Health Science Center at San Antonio, 1991

Feng Zhang, Associate Professor  
College of Pharmacy  
PhD, University of Texas at Austin, 1999

## Steve Hicks School of Social Work

Allan H. Cole Jr., PhD, *Dean*

Sandy Magaña, PhD, *Interim Associate Dean, Academic Affairs*

Stacey E. Jordan, MSSW, *Assistant Dean for Special Projects*

Cossy Hough, LCSW, *Assistant Dean, Undergraduate Programs*

Sarah Swords, LCSW, *Assistant Dean, Master's Programs*

Tanya Voss, MSSW, *Assistant Dean, Field Education*

Cynthia G.S. Franklin, PhD, *Associate Dean, Doctoral Education*

Catherine Cubbin, PhD, *Associate Dean, Research*

Barbara L. Jones, PhD, *Associate Dean, Health Affairs*

Dede Sparks, LMSW, *Assistant Dean, Health Affairs*

<https://socialwork.utexas.edu/>

## General Information

### Accreditation

The bachelor of social work degree program is accredited by the Council on Social Work Education.

### Mission

The Steve Hicks School of Social Work provides professional education and leadership in social work practice, research, and service to promote social, racial and economic justice, enhance social welfare, and build strong community-University partnerships.

The mission of the Bachelor of Social Work (BSW) program is to prepare students as beginning level generalist professional social work practitioners who are committed to the provision of services that further the well-being of people and who promote social and economic justice. Building on a broad liberal arts framework, the BSW curriculum is designed to develop generalist practitioners who have an understanding of social work knowledge and values and are able to select different methods and resources to meet identified client needs, while recognizing and engaging the strengths of the client in the process. The curriculum offers students the opportunity to learn to promote, restore, maintain, and enhance the social functioning of multiple levels of systems in the environment, including individuals, families, small groups, organizations, and communities.

BSW students are given the opportunity to learn to work collaboratively in a variety of settings using an ecosystems/developmental perspective; to recognize the relationships between client needs and public issues; to work toward the development of social policies, resources, and programs that meet basic human needs and empower oppressed and marginalized groups; and to be aware and responsive to the diversities among individuals, including race, ethnicity, gender and gender identity, age, sexual orientation, religion, and ability. The program is intended to prepare reflective, self-evaluating practitioners who have a strong identification with the social work profession and work to alleviate injustice, oppression, and discrimination.

Graduates of the program are expected to be able to enhance the problem-solving, coping, and developmental capacities of individuals, especially those from marginalized groups. They also are expected to addressing systemic injustices and discrimination within the environment that provide individuals with resources, services, and opportunities; to link individuals in need with the appropriate systems; and to contribute to the development and improvement of just social policies that have an impact on people and their social environments, especially by empowering marginalized groups and by promoting social, racial and economic justice.

The BSW program is integrated with and builds upon a liberal arts base that includes knowledge in language arts, the humanities, and the social, behavioral, and natural sciences. The curriculum includes content in social work values, diversity and oppressed and marginalized groups, social, racial and economic justice, human behavior and the social environment, research, social welfare policy and services, and social work intervention.

## Program Objectives

Students graduating from the BSW program are expected to demonstrate the following characteristics:

- a. A professional identity that incorporates the values and ethics of the social work profession and the professional development of self.
- b. The ability to work with diverse populations with an understanding of, and respect for, the positive value of diversity, including race and ethnicity, gender and gender identity, sexual orientation, age, ability, religion, and country of origin, and to use communication skills differentially with diverse groups.
- c. An understanding oppression and discrimination.
- d. The ability to apply strategies and skills that advance social and economic justice and to address the oppression of marginalized groups.
- e. An understanding of the biological, psychological, social, and cultural contexts of changing client systems, including individuals, families, groups, organizations, communities, and the broader society, and their effects on development and behavior.
- f. Beginning level competencies in research and evaluation, including the ability to evaluate research studies and apply their findings to practice, and, under supervision, evaluate their own practice interventions and those of other relevant systems.
- g. An understanding of how social policy develops and differentially affects various client systems, workers, and agencies.
- h. An understanding of the role the social work profession has played in promoting social change, historically and currently.
- i. The attainment of knowledge and skills that demonstrate the ability to practice effectively with individuals, families, groups, organizations, and communities, in a manner that empowers client systems and uses their strengths in order to maximize their health and well-being.
- j. An ability to apply critical thinking skills within the context of social work roles and practice.
- k. An awareness of their responsibility to continue their professional growth and development, including the use of supervision appropriate to generalist practice.

## History

The Steve Hicks School of Social Work was established as a graduate program in 1949 and began classes in the fall of 1950 with 24 students enrolled in the Master of Science in Social Work (MSSW) program. Undergraduate courses in social work were first offered in 1958. These were incorporated into a full Bachelor of Social Work (BSW) program in the fall of 1974.

The first BSW degree was awarded in December 1977. Since that time, the program has been strengthened by curriculum modifications reflecting changes in the profession and in society that have implications for beginning social work practice.

The Steve Hicks School of Social Work also offers programs leading to the Master of Science in Social Work and the Doctor of Philosophy. These are described in the [Graduate Catalog](#).

## Facilities

The Steve Hicks School of Social Work Building (1925 San Jacinto Boulevard) provides space for social work classes; offices for faculty and staff; an advising center and student services area; and a student lounge. The building also houses the Learning Resource Center (LRC), which has an extensive collection of social work related books, journals, and other publications partially funded by the Josleen Lockhart Memorial Book Fund. The LRC includes a computer laboratory for student use and provides space, equipment, and technical assistance for studying, meetings of small groups of students, viewing audiovisual materials, video recording, and completing other skills-based learning assignments. The Steve Hicks School of Social Work Building also houses the Center for Social Work Research and the DiNitto Center for Career Services.

## Financial Assistance Available through the School

Although many University scholarships are awarded through the Office of Scholarships and Financial Aid, a limited number are awarded by the Steve Hicks School of Social Work to undergraduate social work students. Awards are made for reasons ranging from academic promise to financial need. Scholarship information, including eligibility requirements and the application process, is available through the Office of Academic Affairs. Additional scholarships funded by yearly contributions to the Steve Hicks School of Social Work are awarded to undergraduate social work students on the basis of academic excellence, financial need and potential contributions to the social work profession.

## Student Services

### Academic Advising

The Office of Academic Affairs in the Steve Hicks School of Social Work seeks to assist the student in exploring social work as a career choice, in planning an academic program suited to the student's interests and talents, in seeking help with academic or personal problems, and in post-graduation planning, whether for employment or for further study. The Office of Academic Affairs also provides administrative support and student services, including maintenance of academic records, provision of official degree audits, and graduation certification for social work majors. Faculty and staff members are also available to assist students with questions about scholarship programs, degree requirements, rules and regulations, and other available campus services. Students who declare an interest in completing the social work program are required to meet with a social work advisor at least once each semester for academic advising. To arrange an appointment with an advisor, students should contact the Office of Academic Affairs.

During the student's first and second academic years, the student and the advisor discuss the student's career choice, the selection of a major, degree requirements, and requirements for advancement to the practice sequence; during the third year, the course work required for the major completion and the student's preparation for entry into the field practicum; and during the fourth year, the field practicum and the student's post-graduation plans.

### Career Choice Information

Students interested in social work as a career are encouraged to discuss this interest at any time with a social work advisor. Advisors are available in the Office of Academic Affairs to help students explore social work practice and settings and the development of interest in social work through academic, volunteer and service learning experiences. Students are encouraged to use the variety of career services available through the [DiNitto Center for Career Services](#).

Members of the social work faculty are available to assist the student in choosing a career, as are the staff and resources of the University's Sanger Learning Center, the Center for Community Engagement, and the Vick Center for Strategic Advising. Since the social work program requires admission to the major and completion of 122 semester hours, students are encouraged to discuss their interest in social work as a career early in their studies.

### Career Services

Career development services are provided to students preparing to enter the professional job market. Students should inquire in the DiNitto Center for Career Services, Steve Hicks School of Social Work Building 2.214. The office maintains a listserv of employment opportunities and provides information about social work careers, graduate programs, online resources, and other opportunities for professional development, volunteer and service-learning placements, and social work licensure. Workshops and other programs are offered on the fields of social work practice, résumé preparation, and job search and interview skills.

Professional social workers may seek employment in a number of areas. The Health and Human Services Commission has established quality control standards that mandate the hiring of holders of social work degrees in designated positions. The Texas Department of Family and Protective Services hires social workers for its child protective services programs. Large nursing home facilities are also required to have a social work staff. Substance use disorder treatment programs, psychiatric hospitals, health care programs, school social work and dropout prevention programs, criminal justice programs, community non-profit agencies and programs for the elderly also employ social workers.

Hospitals and agencies providing community-based health services, especially in rural areas, hire BSW graduates. More than a third of the program's graduates go on to graduate schools throughout the country.

As a complement to the assistance available from the school, the University's Sanger Learning Center and the Vick Center for Strategic Advising provide comprehensive career services to all students. The centers offer professional assistance to students in choosing or changing their majors or careers, seeking an internship, and planning for the job search or for graduate study.

The University makes no promise to secure employment for each graduate.

### Social Work Council

The Social Work Council is an organization open to all students pursuing a social work degree or interested in the social work profession. The purposes of the council are to help students acquire a better understanding of the profession of social work, to provide a mechanism for student input on issues related to the social work curriculum and the school, and to organize and support social work related programs and projects that will benefit students, the school, the University, and the community.

Council activities are often conducted in collaboration with the Office of Academic Affairs. They include forums with guest speakers from community agencies and the University, community service projects, special interest groups that meet to discuss social work related topics, and social gatherings. Members of the Council represent student concerns as voting members of the school's curriculum committees, the Senate of College Councils, and the Student Government.

## Admission and Registration

### Admission

#### Admission to the University

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is provided in [General Information](#).

#### Admission Policies of the School

The Steve Hicks School of Social Work supports social work majors in the entry-level foundation sequence and social work majors approved to advance to the practice sequence. Social work majors typically spend their first and second year completing the foundation sequence. After completing the requirements below, social work majors may apply for approval to advance to the practice sequence. Students who are approved to advance to the practice sequence complete at least three semesters of social work coursework and any other remaining degree requirements. Social work majors that advance to the practice sequence and fulfill all degree requirements receive a Bachelor of Social Work degree.

The professional practice of social work requires people who are above average in academic ability and performance, sufficiently emotionally mature to assume a helping role with people under stress, and committed to the ethical standards and performance demands of social work practice. Students are encouraged to use the advising services in the Steve Hicks School of Social Work early in their college careers in anticipation of meeting requirements for advancement to the practice sequence.

## Admission

A student may transfer from another division of the University to the Steve Hicks School of Social Work in accordance with the regulations given in *General Information*.

A University student who wants to transfer as a social work major must meet the following requirements:

- a. Completion of at least 12 semester hours of coursework in residence at the University. Credit earned by exam, correspondence, and extension may not be counted toward this requirement.
- b. A cumulative in-residence grade point average of at least 2.00.
- c. S W 310 Introduction to Social Work and Social Welfare with at least a C or higher.
- d. If social work coursework has been completed prior to the application, a grade point of at least 2.50 in those courses is required, and all social work courses must have been completed with a grade of at least C.
- e. Additional requirements may be required. Please contact social work undergraduate advising office for more information.

Only currently enrolled students may apply. Forms to apply for internal transfer are available through the *Steve Hicks School of Social Work website*.

Admission to the Steve Hicks School of Social Work is offered on a space-available basis to the students who are best qualified.

Students with over 90 semester hours of coursework or a completed degree are encouraged to consider other options, such as completing a degree in their current college/school or alternate institution with the option of pursuing a MSSW degree at a later date.

## Advancement to the Practice Sequence

No social work major may advance to the practice sequence unless the student has been admitted to the University as described in *General Information* and has been approved to advance to the practice sequence by the assistant dean for undergraduate programs, following recommendation by the BSW Curriculum Committee, according to the procedures below. All students are considered according to the policies given in the editions of the General Information catalog and the Undergraduate catalog that are in effect at the time of the application.

The Steve Hicks School of Social Work considers students for advancement to the practice sequence twice a year, during the fall and spring semesters. Advancement applications are distributed online through the BSW Gazette and email announcements. The application allows the student to describe their background and motivation to enter the social work profession as well as any special experiences that enhance the student's application.

The Steve Hicks School of Social Work limits advancement to the practice sequence to the number of students for whom a professional education of high quality can be provided. Because of enrollment restrictions dictated by the availability of faculty members and facilities, some applicants may be denied admission even though they meet the following minimum requirements.

- a. The applicant must have completed at least 45 semester hours of coursework, including at least 30 hours chosen from the following requirements:
  - i. All requirements of the University's [Core Curriculum](#)
  - ii. [Sociology 302](#)
  - iii. Psychology 301

- iv. One three-semester-hour course in human biology: Biology 301E, 302D, 302E, 302F, 302G, 311C
  - v. Second-semester-level proficiency, or the equivalent, in a single foreign language
  - vi. A three-semester-hour course in economics
- b. The applicant must have completed the following courses with a grade of at least C in each course: Social Work 310, 312, 313, 318, and 325. The applicant must also have a University grade point average of at least 2.50 in courses that are part of the social work major requirements. Social Work 310 must be completed a semester before applying for advancement to the practice sequence.
  - c. The applicant must have a University grade point average of at least 2.00.
  - d. Application for advancement must be made on forms distributed online through the BSW Gazette and email announcements.
  - e. The following must be submitted to the BSW Program by the application deadline:
    - i. The completed application for advancement to the practice sequence
    - ii. A personal statement as explained on the application
    - iii. One recommendation form completed by appropriate individuals who can attest to the applicant's readiness to enter the program
    - iv. Official transcripts from all colleges attended, if the coursework has not been transferred to the student's University record
    - v. Score reports for any credit earned by examination, if the scores are not on the student's University record
    - vi. Attend a resume review workshop with the DiNitto Career Center and submit a resume.
  - f. The applicant may be asked to appear for a personal interview.

The applicant is considered on the basis of academic performance and their commitment to and suitability for generalist social work practice. The committee also assesses the applicant's emotional readiness to work with clients on the basis of such factors as their work in courses already taken, previous meetings with social work advisors, application essay answers, and the interview, if any, that is part of the application process. As a general guide, the committee also uses the *Student Standards for Social Work Education*, available at <https://socialwork.utexas.edu/academics/field/forms/> which delineates expectations for social work students in four areas: basic abilities to acquire professional skills, mental and emotional abilities, professional performance skills, and scholastic performance. The *Standards* can be found in the appendix of the *BSW Handbook*, available at <https://socialwork.utexas.edu/academics/field/forms/>.

A student who is unable to attend in the semester for which the student is approved to advance must reapply for advancement in order to enroll at a later time. A student who has been advanced to the practice sequence and enrolls, withdraws, and then wishes to return must apply for readmission/advancement on the basis of the curriculum in effect at the time of the return. A student who has been out of the University for a semester or more must also submit an application for readmission to the University.

## Transfer Credit

As part of the application for admission to the University, students must submit transcripts from all other colleges and universities they have attended to the University's Office of Admissions. Students seeking readmission must submit transcripts from all schools they have attended since leaving the University. The Office of Admissions evaluates all transcripts and grants the student transfer credit when possible for coursework completed at the other schools.



Although the University's Office of Admissions may grant the student a certain number of semester hours of transfer credit for work completed in another social work program, the assistant dean for undergraduate programs in the Steve Hicks School of Social Work determines whether this coursework may be counted toward fulfillment of the Bachelor of Social Work degree requirements. Students who wish to use transfer credit to meet degree requirements should submit a course syllabus, assignments, and the titles and names of authors of textbooks to the assistant dean for undergraduate programs for evaluation.

Students may also seek transfer credit for coursework they complete at another institution after enrolling at the University. In this case the student should submit a transcript from the other institution to the University's Office of Admissions.

## Registration

*General Information* provides information about registration, adding and dropping courses, transfer from one division of the University to another, and auditing a course. Published before registration each semester and summer session, the *Course Schedule* includes registration instructions, advising locations, and the times, places, and instructors of classes. The *Course Schedule* and *General Information* are published on the [Office of the Registrar's website](#).

## Academic Policies and Procedures

### Review and Grievance Procedures

The Steve Hicks School of Social Work document [Student Standards for Social Work Education](#) in the BSW Handbook delineates standards for professional education that apply to students enrolled in the Steve Hicks School of Social Work. Because of the nature of professional social work practice, the Steve Hicks School of Social Work has different expectations of students than do nonprofessional programs. All social work students are expected to abide by the *Standards* and by the National Association of Social Workers (NASW) Code of Ethics. When a student's performance does not meet expectations according to these established guidelines, a review may be called to bring the problem to the student's attention and to develop a plan to address the problem. Usually, the issue is resolved and the student is continued in the program with additional support provided to the student and/or conditions established for the student's continuance in the program. In some instances, depending on the nature of the problem, the student may be referred to the University's Office of the Dean of Students, counseled to change majors, or dismissed from the program.

Students enrolled in the social work program have the right to appeal decisions made by the social work program, including scholastic dismissal. Students are assured freedom from reprisals for filing appeals. Students who wish to appeal a decision made during a school review process should consult the *Standards* for information on grievance procedures, located in the [BSW Handbook](#).

### Professional Liability Insurance

All social work students enrolled in the field practicum Social Work 645C and 645D are required to purchase professional malpractice coverage through the University. The field office will inform students about the group insurance plan and required procedures. The estimated cost of professional malpractice coverage for students is \$15 a semester.

## Honors

### University Honors

The designation University Honors, awarded at the end of each long-session semester, gives official recognition and commendation to students whose grades for the semester indicate distinguished academic accomplishment. Both the quality and the quantity of work done are considered. Criteria for University Honors are given in [General Information](#).

### Graduation with University Honors

Students who, upon graduation, have demonstrated outstanding academic achievement are eligible to graduate with University Honors. Criteria for graduation with University Honors are given in [General Information](#).

### Social Work Honors Program

The [Social Work Honors Program](#) is available to outstanding students who have distinguished themselves by superior academic performance during their time at the University. The BSW Honors program challenges students to see the world as presenting research questions that can be answered through the application of social work theories and values.

Interested social work majors should apply for admission to the Honors Program Subcommittee of the BSW Curriculum Committee at least one full year before they expect to graduate. A University grade point average of at least 3.00 is required for admission, as is a grade point average of at least 3.0 in all of the coursework required for the major that the student has completed. The requirements for graduation from the Social Work Honors Program which are in addition to the requirements for the major, are: (1) a six-hour, two-semester honors tutorial course with a grade of at least *B-* for each semester; (2) an oral presentation of the student's honors thesis in a research colloquium open to the Steve Hicks School of Social Work community and the public; (3) a University grade point average of at least 3.50 and a grade point average of at least 3.50 in the courses required for the major and for the Social Work Honors Program; and (4) completion in residence at the University of at least 60 hours of coursework counted toward the degree.

## Graduation

### Special Requirements of the School

All students must fulfill the [General Requirements](#) (p. 20) for graduation. Students in the Steve Hicks School of Social Work must also fulfill the following requirements.

- a. All University students must have a grade point average of at least 2.00 to graduate. In the Steve Hicks School of Social Work, students must also have a grade point average of at least 2.50 in required social work courses.
- b. To receive an undergraduate degree from the University, every student must fulfill the following requirements on coursework taken in residence:
  - a. All University students must complete in residence at least 60 semester hours of coursework counted toward the degree. For the Bachelor of Social Work degree, these 60 hours must include at least 24 hours in the major and must include the required field practicum courses.
  - b. The University requires that at least six semester hours of advanced coursework in the major be completed in residence. The Steve Hicks School of Social Work further requires that 24 of the 46 hours of upper-division coursework for the Bachelor of Social Work be completed in residence.

- c. An Air Force, Army, or Naval Reserve Officer Training Corps student who elects the basic and/or advanced program in air force science, military science, or naval science will not be approved for graduation until the government contract is completed, unless the student is released from the ROTC.

## Applying for Graduation

An official degree audit compares a student's coursework with degree requirements for a particular degree, major and catalog. The degree audit normally provides an accurate statement of requirements, but the student is responsible for knowing the requirements for the degree as stated in a catalog under which the student is eligible to graduate and for registering so as to fulfill those requirements. The student should seek an official ruling in the Office of Academic Affairs before registering if in doubt about any requirement.

Students are strongly encouraged to schedule an official degree check with a Social Work academic advisor once they are one semester away from graduating.

In the semester or summer session in which the degree is to be conferred, the candidate must be registered at the University and must apply for the degree in the Office of Academic Affairs. This should be done at the time of registration for the last semester, if possible, but in no event later than the deadline given in the official academic calendar. No degree will be conferred unless the graduation application form has been filed on time.

## Degrees and Programs

### Applicability of Certain Courses

No more than 36 semester hours in any one field of study other than social work may be counted toward the Bachelor of Social Work degree. No more than 60 semester hours of social work may be counted toward the degree.

### Physical Activity Courses

Physical activity courses (PED) are offered by the Department of Kinesiology and Health Education. Six semester hours of this coursework may be counted toward the Bachelor of Social Work degree. All physical activity courses are counted among courses for which the student is enrolled, and the grades are included in the grade point average.

### ROTC Courses

No more than six semester hours of credit for air force science, military science, or naval science courses may be counted toward the Bachelor of Social Work. Such credit may be used only as lower-division electives in degree programs that have room for such electives and only by students who have completed the third and fourth years of the ROTC program.

### Correspondence and Extension Courses

Credit that a University student in residence earns simultaneously by correspondence or extension from the University or elsewhere or in residence at another school will not be counted toward a degree in the Steve Hicks School of Social Work unless specifically approved in advance by the dean. No more than 30 percent of the semester hours required for the Bachelor of Social Work may be taken by correspondence. More information is available from the assistant dean for undergraduate programs.

## Courses Taken on the Pass/Fail Basis

Undergraduate students who have received at least 30 semester hours of college credit may take no more than 16 hours of courses in elective subjects outside their major area on the pass/fail basis. Students must state their intention to register on this basis by the deadline given in the official academic calendar; they may not change the basis of registration in a course more than once; and they may not take more than two courses a semester on this basis.

## Other Courses

Music 101Q or Music 101V may not be counted toward any degree in the Steve Hicks School of Social Work. Other introductory courses, such as Music 201J, 201M, and 201N, may be counted toward degrees in the school.

No more than six semester hours of Bible courses may be counted toward the Bachelor of Social Work degree.

## Core Curriculum

All students must complete the University's [Core Curriculum](#) (p. 23). A single course may not be counted toward more than one core area, but in some cases a course that is required for the Bachelor of Social Work may also be counted toward the core curriculum; these courses are identified below.

## Skills and Experience Flags

In the process of fulfilling the core curriculum and other degree requirements, all students pursuing the Bachelor of Social Work must complete courses that carry flags in the following areas:

- Writing: Three courses beyond Rhetoric and Writing 306 or the equivalent that carry a writing flag; one of these courses must be upper-division. Social Work 323K and 327 count toward this requirement. Courses used to fulfill the writing requirement may be used to fulfill other requirements.
- Cultural diversity in the United States: One flagged course. Social Work 310 and 325 carry the cultural diversity flag.
- Ethics: One flagged course. Social Work 332 and 333 carry the ethics flag.
- Quantitative reasoning: One flagged course. Social Work 318 carries the quantitative reasoning flag.
- Global cultures: One flagged course chosen from approved list.
- Independent inquiry: One flagged course. Social Work 323K carries the independent inquiry flag.

## Foreign Language

In addition to the core curriculum requirements above, undergraduates must earn credit for the second college-level course, or the equivalent, in a foreign language. American Sign Language may be used to fulfill this requirement.

## Bachelor of Social Work

The requirements for the Bachelor of Social Work degree are designed to give the student an opportunity for integrated, nonrepetitive learning. A total of 122 semester hours is required. These may include credit by examination and a maximum of 16 hours elective courses taken on the pass/fail basis. All students must complete the requirements for the major and must complete at least 60 semester hours in residence at the University. These 60 hours must include at least 24 semester hours in social work. A completed degree program must include at least 43 semester hours of upper-division coursework, of which 24 semester

hours must have been taken in residence. No more than 60 semester hours in social work may be counted toward the degree.

Each student must complete a sequence of prescribed work; major requirements, which include the field practicum; and special requirements, which include electives.

## Prescribed Work

The prescribed work provides the liberal arts base for the social work curriculum. Interdepartmental courses and credit by examination may be used to meet these requirements. Unless otherwise indicated, a course taken to meet the requirements of one area may not also be used to fulfill the requirements of another area; however, a single course may be used, unless otherwise indicated, to fulfill both an area requirement and a major requirement. No course used to fulfill area or major requirements, other than the field practicum, may be taken on the pass/fail basis.

## Major Requirements

The Bachelor of Social Work program offers basic courses designed to provide students with concentrated and in-depth educational experience combining social work knowledge and practice skills. No course used to fulfill major requirements, except Social Work 645C and 645D, may be taken on the pass/fail basis. Students are advised to complete the core curriculum, the skills and experiences flags, the foreign language requirement, and all lower-division major requirements before taking upper-division courses. In developing their degree plans, students must also pay careful attention to the sequencing of social work courses to ensure that prerequisite requirements are met.

Academic credit cannot be granted for life experience or previous work experience, and such experience cannot be substituted for any of the courses in the professional foundation areas or the field practicum. Students who believe they have the qualifications to receive credit by examination for a social work course other than the practice sequence coursework (Social Work 312, 332, 333, and 334) and the field practicum may submit a written request to the assistant dean for undergraduate programs. The assistant dean will review the request and determine whether or not the student should be permitted to take the examination.

- a. The following courses are required:
  - a. Social welfare policy: Social Work 310, 323K.
  - b. Research: Social Work 313, 318.
  - c. Human behavior: Social Work 325, 327.
  - d. Practice: Social Work 312, 332, 333, 334.
  - e. Field Instruction and Applied Practice: Social Work 445, 645C, 645D.
- b. Students must complete a three-semester-hour introductory course in psychology. Psychology 301 fulfills this requirement and may also be counted toward the social and behavioral science requirement of the core curriculum.
- c. Students must complete a three-semester-hour introductory course in sociology. Sociology 302 fulfills this requirement and may also be counted toward the social and behavioral science requirement of the core curriculum.
- d. Students must complete a three-semester-hour course in human/environmental biology: Biology 301E, 302D, 302E, 302F, 302G, 311C or the equivalent. If biology coursework is not used for science and technology part I, any of these courses may be used to fulfill the science and technology part II requirement.
- e. Students must complete three semester hours in economics. Certain economics courses may also be used to fulfill the social and behavioral sciences requirement of the core curriculum.

- f. Students must complete three semester hours in child psychology or child development. Psychology 304 or Human Development and Family Sciences 313 accompanied with HDF 113L may be used to fulfill this requirement.
- g. Students must complete at least nine semester hours of upper-division coursework in the social and behavioral sciences (applied learning and development, anthropology, economics, educational psychology, government, history, human development and family sciences, kinesiology, psychology, sociology, Social Work 360K topics) in addition to other major requirements. Six of these nine hours may be upper-division social work electives.

## Service Learning

The social work program requires that students complete 30 clock hours of supervised service learning related to social work and be approved by the Bachelor of Social Work (BSW) program in order to advance to the practice sequence. These service learning hours may be used to meet course requirements in Social Work 312.

## Field Practicum Requirements

Students must complete 480 clock hours of fieldwork as part of the course requirements in Social Work 645C and 645D. Students have the opportunity in these courses to develop the professional skills needed for entry-level social work positions as generalist practitioners. Adequate time is built into this professional program through Social Work 645C, 645D, and 445 to provide students with opportunities to test their developing skills in social services agencies and programs. At the same time, faculty members evaluate the student's professional development within the context of the educational objectives established for the experience. The goals are for the student to learn real-life practice, to develop skills, to relate concepts to skill development, to remain motivated to continue to learn, and to evaluate personal performance.

To enroll in Social Work 645C, 645D, and 445, students must meet the following requirements: (1) approval to advance to the practice sequence in social work; (2) a University grade point average of at least 2.00; and (3) both a grade point average of at least 2.50 for the following group of courses and a grade of at least C in each course in the group: Social Work 310, 312, 313, 318, 323K, 325, 327, 332, 333, and 334.

Following the student's admission to the field practicum, the student's work is reviewed periodically by the student, the field faculty, and the field agency supervisor. Should the student have trouble meeting the professional or academic requirements of the program, the review process will bring the difficulty to the student's attention and assist the student in seeking appropriate resolution. The student may make use of counseling and advising services at any time. If difficulties cannot be resolved, the field director may conduct an administrative review, which may result in a decision to terminate the student's field placement. The student is notified of this decision in writing.

All social work students enrolled in the field practicum in Social Work 645C and 645D are required to purchase professional malpractice coverage through the University. The field office will inform students about the group insurance plan and required procedures.

## Special Requirements

### Elective Requirements and Limitations

In addition to the area and major requirements given above, the student must take elective coursework to complete the 122 semester hours required for the Bachelor of Social Work. No more than 16 hours can be taken on the pass/fail basis, 36 hours in any one field of study other than

social work, and 60 hours in social work may be counted toward the 122-hour requirement.

## Minimum Scholastic Requirements

- The student must fulfill the University-wide [graduation](#) (p. 20) requirements and the requirements of the Steve Hicks School of Social Work given earlier in this section.
- To apply for advancement to the social work practice sequence, a student must have earned a grade of at least *C* in each of the following courses: Social Work 310, 312, 313, 318 and 325. The student must also have a University grade point average of at least 2.00 and a grade point average of at least 2.50 in all the courses he or she has completed that are part of the social work major requirements. Additional requirements are given in the section [Advancement to the Practice Sequence](#) (p. ).
- Following the student's advancement admission to the practice sequence, the student's coursework is reviewed periodically by the student and the academic advisor. Students must maintain a University grade point average of at least 2.00; they must also earn a grade of at least *C* in each course listed as a social work practice sequence coursework and must maintain a grade point average of at least 2.50 in these courses. If the student has trouble meeting the professional or academic requirements of the major, the review process delineated in *Student Standards for Social Work Education*, available [online](#), will bring the difficulty to the student's attention and assist the student in making appropriate resolution. The student may make use of counseling and advising services at any time.
- The Steve Hicks School of Social Work follows Undergraduate Policies for [Scholastic Probation and Dismissal](#).
- All students who seek to reenter the Steve Hicks School of Social Work after having been placed on enforced withdrawal or academic dismissal must have the approval of the assistant dean for undergraduate programs.
- Any student who has a grade of *C* or higher in a course may not repeat the course and use the second grade to improve grade point average without permission of the assistant dean for undergraduate programs. If a student repeats a course, all grades received for the course are included in the grade point average.

## Order and Choice of Work

A social work major may fulfill the requirements for advancement to the practice sequence in four or five long-session semesters, depending on the number of hours completed each semester. After advancement to the practice sequence, students complete a three-semester professional sequence and additional requirements needed for the BSW degree.

The student must also complete all other remaining required coursework before the field practicum, including electives needed to provide the total of 122 semester hours required for the degree. No other courses may be taken concurrently with the field practicum courses.

## Suggested Arrangement of Courses, Social Work (BSW)

First Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
RHE 306 (Core) <sup>010</sup>	3	Mathematics (Core) <sup>020</sup>	3	GOV 310L (Core) <sup>070</sup>	3
S W 310 (Major)	3	U.S. History (Core) <sup>060</sup>	3	Natural Science and Technology, Part I (Core) <sup>030</sup>	3
PSY 301 (General Education)	3	Global Cultures Flag course (General Education) <sup>GC</sup>	3		

SOC 302 (General Education)	3	Natural Science and Technology, Part II, BIO (Core) <sup>030</sup>	3		
UGS 302 or 303 (Core) <sup>090, Wr</sup>	3	Visual and Performing Arts (Core) <sup>050</sup>	3		
		<b>15</b>	<b>15</b>	<b>6</b>	

Second Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
E 316L, 316M, 316N, or 316P (Core) <sup>040</sup>	3	S W 313 (Major)	3	GOV 306C, 312L, or 312P (Core) <sup>070</sup>	3
S W 312 (Major)	3	U.S. History (Core) <sup>040</sup>	3	ECO course (General Education)	3
Foreign Language (General Education)	6	S W 325 (Major)	3		
S W 318 (Major)	3	Foreign Language (General Education)	6		
		<b>15</b>	<b>15</b>	<b>6</b>	

Third Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
Natural Science and Technology, Part II (Core) <sup>093</sup>	3	Upper-division course (Elective)	3	(None)	0
Non-S W course (General Education) <sup>Wr</sup>	3	S W 327 (Major)	3		
Upper-division Social and Behavioral Sciences course (General Education)	3	S W 334 (Major)	3		
PSY 304 or HDF 313 and HDF 113L (General Education)	3	Upper-division Social and Behavioral Sciences course (General Education)	3		
Free elective (Elective)	3				
		<b>15</b>	<b>12</b>	<b>0</b>	

Fourth Year					
First Term	Hours	Second Term	Hours	Summer Term	Hours
S W 323K (Major)	3	S W 445 (Major)	4	(None)	0
S W 332 (Major)	3	S W 645C (Major)	6		
S W 333 (Major)	3	S W 645D (Major)	6		
Upper-division Social and Behavioral Sciences course (General Education)	3				
		<b>12</b>	<b>16</b>	<b>0</b>	

Total credit hours: 127

*Four-year degree suggestion (for planning purposes only).*

*Currently enrolled students should meet with their academic advisor.*

Course categories: Core, General Education, Major, Elective, Opportunity

Core Component Areas: <sup>010</sup> English Composition and Core Writing Flag; <sup>020</sup> Mathematics; <sup>030</sup> Natural Science and Technology, Part I; <sup>040</sup> Humanities; <sup>050</sup> Visual and Performing Arts; <sup>060</sup> U.S. History; <sup>070</sup> American and Texas Government; <sup>080</sup> Social and Behavioral Sciences; <sup>090</sup> First-Year Signature Course; <sup>093</sup> Natural Science and Technology, Part II

Skills and Experience Flags: <sup>Wr</sup> Writing; <sup>QR</sup> Quantitative Reasoning; <sup>GC</sup> Global Cultures; <sup>CD</sup> Cultural Diversity; <sup>E</sup> Ethics; <sup>II</sup> Independent Inquiry

[Undergraduate Degree Program listing](#) (p. 11)

# Minor and Certificate Programs

## Minors

The transcript-recognized undergraduate academic minor must be completed in conjunction with an undergraduate degree at The University of Texas at Austin. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minor and Certificate Programs](#) (p. 14) section of the *Undergraduate Catalog*.

### Social Work Minor

A Social Work Minor requires completion of 15 semester hours, six of which must be upper-division. All courses in the Social Work minor must be taken on a letter grade basis and students must earn a minimum grade of a C.

All interested students must apply for admission to the minor. To be eligible, students must have an overall minimum University of Texas at Austin GPA of 2.0.

The Social Work Minor requirements are:

Requirements	Hours
S W 310 Introduction to Social Work and Social Welfare	3
S W 312 Generalist Social Work Practice: Knowledge, Values, and Skills	3
S W 325 Foundations of Social Justice	3
Students will choose 2 additional courses from S W 360K numbered topic courses to complete their required 15 semester hours.	6

### Critical Disability Studies Minor

A program that focuses on the nature, meaning, and consequences of what it is to be defined as disabled and explores the historical, cultural, economic, physiological, and socio-political dynamics of disability. Includes instruction in disability rights, legal issues, and public policy; literature, philosophy, and the arts; and/or research in the social sciences, education, and health sciences addressing social and experiential aspects of disability.

All interested students must apply for admission to the minor. To be eligible, students must have an overall minimum University of Texas at Austin GPA of 2.0.

The Critical Disability Studies Minor requirements are:

Requirements	Hours
CDI 355 Topics in Critical Disability Studies (Topic 1: Social Construction of Disability)	3
CDI 355 Topics in Critical Disability Studies (Topic 2: Making Systems Work for People with Disabilities)	3
S W 325 Foundations of Social Justice	3
Six hours chosen from:	6
ALD 322 Individual Differences	
ANT 302 Cultural Anthropology	
ANT 349C Human Variation	
KIN 352K Studies in Human Movement: Topical Studies	
KIN 367S Sport and Disability	3

KIN 366R	Adapted Fitness and Recreation	3
KIN 360	Programming for People with Disabilities	3
MUS 379K	Advanced Topics in Music Literature	3
N 371	Disability over the Life Course	3
SED 303	Autism Spectrum Disorder: Truths and Consequences	
SLH 308K	Perspectives on Deafness	
CDI 355	Topics in Critical Disability Studies	3

Please Note:

All courses in the disability studies minor must be taken on a letter grade basis, and students must earn a minimum grade of a C.

## Certificates

### Public Safety Certificate

The certificate in public safety provides undergraduate social work students with coursework and service learning opportunities that prepare them for careers in public safety. These careers may include work in such settings as law enforcement, fire departments, Emergency Medical Services (EMS), and emergency management at the local, state, and national levels.

### Application Requirements

Students will complete an application form and submit it to the Assistant Dean for Undergraduate Programs, who, in consultation with the Senior Associate Dean for Academic Affairs, will offer admission to the Certificate Program. All courses in the Certificate Program must be taken on a letter grade basis and students must earn a minimum grade of a C.

### Certificate Requirements

The certificate will be awarded to students whose successful completion of the BSW program of work includes six courses (18 hours) in the area of focus, including:

Requirements	Hours
PSF 311 Social Work and Public Safety	3
S W 325 Foundations of Social Justice	3
Three courses chosen from the following:	9
S W 311 Introductory Topics in Social Work (Topic 3: Introduction to the Criminal Justice System)	
S W 360K Current Social Work Topics (Topic 3: Treatment of Substance Use Disorders)	
S W 360K Current Social Work Topics (Topic 4: Social Work Practice with Abused and Neglected Children and their Families)	
S W 360K Current Social Work Topics (Topic 5: Advanced Topics in Social and Economic Justice)	
S W 360K Current Social Work Topics (Topic 6: Contemporary Issues in Domestic Violence)	
S W 360K Current Social Work Topics (Topic 8: Leadership in the Community)	

S W 360K	Current Social Work Topics (Topic 9: Loss and Grief: Individual, Family, and Cultural Perspectives)	
S W 360K	Current Social Work Topics (Topic 11: Communication Skills in Interdisciplinary Settings)	
S W 360K	Current Social Work Topics (Topic 12: Social Work in the Legal System)	
S W 360K	Current Social Work Topics (Topic 14: Working with Youth Gangs)	
S W 360K	Current Social Work Topics (Topic 15: Youth, Delinquency, and Juvenile Justice)	
S W 360K	Current Social Work Topics (Topic 17: Principles of Recovery and Relapse Prevention)	
S W 360K	Current Social Work Topics (Topic 18: Mental Health Issues in Public Safety)	
PSF 360K	Public Safety Field Immersion <sup>1</sup>	3
—		

1. Field Immersion Placements: Placements will be completed in public safety related settings, including such possibilities as the Austin Police Department, The University of Texas at Austin Police Department, Travis County Sheriff's Office, the Department of Corrections, City of Austin Office of Emergency Management, Travis County Office of Emergency Management, and Austin EMS.

## Courses, Steve Hicks School of Social Work

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Steve Hicks School of Social Work: [Public Safety \(PSF\)](#), [Social Work \(S W\)](#), and [Critical Disability Studies \(CDI\)](#).

## Steve Hicks School of Social Work Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Tina E Adkins, Research Assistant Professor  
Office of The Associate Dean for Research and School of Social Work  
PhD, University College London, 2015

Alyssa Aguirre, Assistant Professor of Practice  
School of Social Work  
MSW, University of Michigan-Ann Arbor, 2009

Jess Paul Ambiee, Assistant Professor of Practice  
School of Social Work  
MSSW, University of Texas at Austin, 2012

Robert J Ambrosino, Adjunct Assistant Professor  
School of Social Work  
PhD, State University of New York at Albany, 1971

Rosalie N Ambrosino, Adjunct Assistant Professor  
School of Social Work

PhD, University of Texas at Austin, 1985

Barbara S Anderson, Clinical Professor  
School of Social Work  
MSSW, University of Texas at Austin, 1974

Sheila C Arnold, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2006

Joan E Asseff, Clinical Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2006

Margaret M Bassett, Adjunct Assistant Professor  
School of Social Work  
MS, Northern Illinois University, 1990

Mary C Beer, Clinical Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2001

Mary D Bishop, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Arlington, 2002

Octavious D Bishop, Lecturer  
School of Social Work  
PhD, Walden University, 2018

Elisa Vinson Borah, Research Associate Professor  
Office of The Associate Dean for Research, Department of Psychiatry,  
School of Social Work, and Department of Health Social Work  
PhD, University of Texas at Austin, 2010

Aaron Braverman, Assistant Professor of Practice  
School of Social Work  
MS, Columbia University in the City of New York, 2011

Noel B Busch-Armendariz, Professor  
Endowed President's Professorship  
School of Social Work, Center for Women's and Gender Studies, and  
Department of Health Social Work  
PhD, University of South Carolina - Columbia, 2000

Esther Calzada, Professor  
Norma and Clay Leben Professorship in Child and Family Behavioral  
Health  
School of Social Work  
PhD, University of Florida, 2000

Yessenia Castro, Associate Professor  
School of Social Work  
PhD, Florida State University, 2008

Namkee Choi, Professor  
Louis and Ann Wolens Centennial Chair in Gerontology  
School of Social Work and Department of Psychiatry  
PhD, University of California-Berkeley, 1987

Kasey Claborn, Assistant Professor  
School of Social Work and Department of Psychiatry  
PhD, Oklahoma State University Main Campus, 2013

Patricia A Cody, Lecturer  
School of Social Work  
PhD, University of Texas at Austin, 2007

Deborah Cohen, Research Assistant Professor

School of Social Work and Department of Psychiatry  
PhD, University of Kentucky, 2015

Allan H Cole Jr, Professor  
Bert Kruger Smith Centennial Professorship in Social Work  
School of Social Work and Department of Psychiatry  
PhD, Princeton University, 2001

Lori Lewis Conerly, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2006

Fiona Conway, Assistant Professor  
School of Social Work  
PhD, Rutgers the State University of New Jersey New Brunswick  
Campus, 2016

Cynthia C Corral, Assistant Professor of Practice  
School of Social Work  
MSSW, University of Texas at Austin, 2006

Catherine Cubbin, Professor  
Clara Pope Willoughby Centennial Professorship in Community Safety  
School of Social Work, Department of Population Health, and  
Department of Health Social Work  
PhD, Johns Hopkins University, 1998

Lisa K DeGraff, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Kansas Main Campus, 2008

Julie Nebrat Dickerson, Adjunct Assistant Professor  
School of Social Work  
JD, University of Houston, 1992

Diana M Dinitto, Professor  
Cullen Trust Centennial Professorship in Alcohol Studies and Education  
School of Social Work and Center for Women's and Gender Studies  
PhD, Florida State University, 1980

Benjamin Ehrenfeld, Assistant Professor of Practice  
School of Social Work  
MSW, Salem State College, 2016

Monica R Faulkner, Research Associate Professor  
Office of The Associate Dean for Research and School of Social Work  
PhD, University of Texas at Austin, 2010

Anna H Finger, Assistant Professor of Practice  
School of Social Work  
MSSW, University of Texas at Austin, 2009

Cynthia G Franklin, Professor  
Stiernberg/Spencer Family Professorship in Mental Health  
School of Social Work and Department of Psychiatry  
PhD, University of Texas at Arlington, 1989

Rene J Gaitan, Clinical Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2010

CATE GRAZIANI, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2014

Anita Guajardo, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2012

Lauren E Gulbas, Associate Professor  
School of Social Work, Department of Anthropology, Department of  
Population Health, and Department of Health Social Work  
PhD, Southern Methodist University, 2008

GRETCHEN ERNSTER HENDERSON, Senior Lecturer  
School of Social Work  
PhD, University of Missouri - Columbia, 2009

Maj Henriksson, Assistant Professor of Practice  
School of Social Work  
MSSW, University of Texas at Austin, 2004

Mayan Herman, Adjunct Assistant Professor  
School of Social Work  
MSW, University of Michigan-Ann Arbor, 2016

Mercedes Hernandez, Assistant Professor  
School of Social Work and Department of Psychiatry  
PhD, University of Southern California, 2014

Tres Hinds, Adjunct Assistant Professor  
School of Social Work  
PhD, University of Texas at Austin, 2019

Lori K Holleran, Professor  
Steve Hicks Professor in Addictions and Substance Abuse Services  
School of Social Work, Department of Psychiatry, and School of  
Undergraduate Studies  
PhD, Arizona State University Main, 2000

Catherine Hough, Clinical Associate Professor  
School of Social Work  
MSSW, University of Texas at Austin, 1993

Barbara Jefferson, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 1986

Barbara L Jones, Professor  
Josleen and Frances Lockhart Memorial Professorship for Direct  
Practice in Social Work  
School of Social Work, Center for Women's and Gender Studies,  
Department of Population Health, Department of Psychiatry, Department  
of Oncology, and Department of Health Social Work  
PhD, State University of New York at Albany, 2004

Dana R Jones, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 1993

Stacey E Jordan, Clinical Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 1996

Dina Marie Kassler, Adjunct Assistant Professor  
School of Social Work  
PhD, The University of Memphis, 1997

Lisa Keefauver, Adjunct Assistant Professor  
School of Social Work  
MSW, University of Vermont, 2004

Noel G Landuyt, Adjunct Assistant Professor  
School of Social Work  
PhD, University of Texas at Austin, 1999

Tamera B Linseisen, Clinical Associate Professor  
School of Social Work

MSSW, University of Texas at Austin, 1989

Patrick M Lloyd, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2012

Molly A Lopez, Research Associate Professor  
Office of The Associate Dean for Research and School of Social Work  
PhD, Texas A & M University, 1998

Angela J Luna, Assistant Professor of Practice  
School of Social Work  
MSW, New York University, 2010

Eboni S Lunsford Calbow, Clinical Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2009

Sandy Magana, Professor  
Professorship in Autism and Neurodevelopmental Disabilities  
School of Social Work, Department of Mexican American and Latino/a  
Studies, Department of Pediatrics, and Department of Health Social Work  
PhD, Brandeis University, 1999

Octavio N Martinez, Clinical Professor  
School of Social Work and Department of Psychiatry  
MD, Baylor College of Medicine, 1997

Sarah M McCafferty, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2006

Adam G McCormick, Adjunct Assistant Professor  
School of Social Work  
PhD, University of Texas at Arlington, 2009

Joanna Mendez, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2016

Arlene K Montgomery, Adjunct Assistant Professor  
School of Social Work  
PhD, Smith College, 1999

Becky Morales, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2003

Angela Nguyen, Assistant Professor of Practice  
School of Social Work  
MSW, Boston College, 2004

Tiffany Marie Nicely-Williams, Adjunct Assistant Professor  
School of Social Work  
MSW, University of Southern California, 2016

Lailea Noel, Assistant Professor  
School of Social Work, Department of Oncology, and Department of  
Health Social Work  
PhD, Washington University in St Louis, 2016

Jesus Ortega, Assistant Professor of Practice  
School of Social Work  
MSW, University of Texas at San Antonio, 2012

Yolanda C Padilla, Professor  
Clara Pope Willoughby Centennial Professorship in Child Welfare  
School of Social Work, Center for Women's and Gender Studies, and  
Center for Mexican American Studies  
PhD, University of Michigan-Ann Arbor, 1993

Jose Ruben Parra-cardona, Associate Professor  
School of Social Work  
PhD, Texas Tech University, 2004

Cynthia S Penwell, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2010

Farya Phillips, Research Assistant Professor  
Office of The Associate Dean for Research, School of Social Work, and  
Department of Health Social Work  
PhD, University of Texas at Austin, 2013

Michele Pierson, Assistant Professor of Practice  
School of Social Work  
MSW, Boston College, 2007

Thea Jane Posel, Clinical Assistant Professor  
School of Social Work and School of Law  
JD, University of Colorado at Boulder, 2016

Suzanne Potts, Adjunct Assistant Professor  
School of Social Work  
MSW, San Diego State University, 1998

Jahanett Ramirez, Research Assistant Professor  
School of Social Work  
MD, Wake Forest University, 2016

Diane McDaniel Rhodes, Senior Lecturer  
School of Social Work  
MA, The Episcopal Theological Seminary of the Southwest, 2001

Stephanie L Rivaux, Adjunct Assistant Professor  
School of Social Work  
PhD, University of Texas at Austin, 2009

Mia Roldan, Assistant Professor of Practice  
School of Social Work  
MSSW, University of Texas at Austin, 2011

Michael David Romero, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2006

Michele Angela Rountree, Associate Professor  
School of Social Work and Center for Women's and Gender Studies  
PhD, Arizona State University Main, 1992

Donna Shanor, Assistant Professor of Practice  
School of Social Work  
MSSW, University of Texas at Austin, 2005

Starla Simmons, Clinical Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2007

Sarah Kaye Sloan, Clinical Associate Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2003

Douglas R Smith, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2000

Robin M Smith, Clinical Assistant Professor



School of Social Work  
MSSW, University of Texas at Austin, 1992

Stephen M Sonnenberg, Professor of Instruction  
Department of Medical Education, Department of Population Health,  
Plan II Honors Program, School of Social Work, and Department of  
Psychiatry  
MD, Yeshiva University, 1965

Erin P Spalding, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2007

Debra Lynn Sparks, Clinical Associate Professor  
School of Social Work  
MSW, Texas State University, 2002

Richard T Spence, Research Professor  
Office of The Associate Dean for Research  
PhD, University of Texas at Austin, 1984

Calvin L Streeter, Professor  
Meadows Foundation Centennial Professorship in the Quality of Life in  
the Rural Environment  
School of Social Work  
PhD, Washington University in St Louis, 1989

Sarah A Swords, Clinical Associate Professor  
School of Social Work  
MSW, Simmons College, 1982

Carmen R Valdez, Associate Professor  
School of Social Work, Department of Mexican American and Latino/a  
Studies, and Department of Population Health  
PhD, University of Texas at Austin, 2004

Heather Van Diest, Assistant Professor of Practice  
School of Social Work  
MPH, University of Texas Health Science Center at Houston, 2018

Mary M Velasquez, Professor  
Centennial Professorship in Leadership for Community, Professional,  
and Corporate Excellence  
School of Social Work, Department of Psychiatry, and Department of  
Population Health  
PhD, University of Texas Health Science Center at Houston, 1997

Shetal Vohra, Assistant Professor  
School of Social Work  
PhD, University of Houston, 2009

Kirk L Von Sternberg, Associate Professor  
School of Social Work  
PhD, University of Texas Health Science Center at Houston, 2005

Tanya M Voss, Clinical Professor  
School of Social Work  
MSW, University of Texas at Austin, 1996

Jennifer Lee Schurman Wade, Assistant Professor of Practice  
School of Social Work  
MSW, University of Texas at Austin, 2007

Shane O Whalley, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 2003

Kari L White, Associate Professor  
School of Social Work and Department of Sociology

PhD, University of Texas at Austin, 2001

Nichole Wings-Yanez, Clinical Assistant Professor  
School of Social Work  
PhD, Portland State University, 2018

Christine D Winston, Adjunct Assistant Professor  
School of Social Work  
MSSW, University of Texas at Austin, 1998

Luis H Zayas, Professor  
The Robert Lee Sutherland Chair in Mental Health and Social Policy  
School of Social Work and Department of Psychiatry  
PhD, Columbia University in the City of New York, 1986

Yuanjin Zhou, Assistant Professor  
School of Social Work and Department of Health Social Work  
MSSW, Xiamen University, 2016

Nina Isabel Zuna, Assistant Professor of Instruction  
School of Social Work  
PhD, University of Kansas Main Campus, 2007

## Non-Undergraduate Schools and Programs

The following pages contain information regarding undergraduate curriculum but these colleges, schools, and programs do not offer undergraduate degrees.

## Lyndon B. Johnson School of Public Affairs

George M De Shazo Jr, PhD, *Dean*

<http://www.utexas.edu/lbj/>

## Courses, Lyndon B. Johnson School of Public Affairs

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in the Lyndon B. Johnson School of Public Affairs: [Public Affairs \(P.A.\)](#).

## Lyndon B. Johnson School of Public Affairs Faculty

The following faculty list represents those appointed in the 2022 spring semester.

Gordon B Abner, Assistant Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Indiana University at Bloomington, 2017

Bianca Adair, Visiting Professor  
Lyndon B Johnson School of Public Affairs  
PhD, The University of Alabama, 2000

Abigail Rosemary ann Aiken, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of Texas at Austin, 2014

Jacqueline L Angel, Professor  
Wilbur J. Cohen Professorship in Health and Social Policy

Lyndon B Johnson School of Public Affairs and Department of Sociology

PhD, Rutgers the State University of New Jersey New Brunswick  
Campus, 1989

Kevin M Bacon, Adjunct Professor  
Lyndon B Johnson School of Public Affairs  
MS, London School of Economics and Political Science, 1978

Barry V Bales, Clinical Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of Texas at Austin, 1993

Richard Patrick Bixler, Assistant Professor  
Lyndon B Johnson School of Public Affairs and School of Architecture  
PhD, Colorado State University, 2014

Joshua W Busby, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Georgetown University, 2004

George M De Shazo Jr, Professor  
J. J. "Jake" Pickle Regents Chair in Public Affairs  
Lyndon B Johnson School of Public Affairs  
PhD, Harvard University, 1997

Michele Y Deitch, Distinguished Senior Lecturer  
Lyndon B Johnson School of Public Affairs and School of Law  
JD, Harvard University, 1986

Ben Guhin Delphine, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
BA, Fordham University, 2010

Edwin Dorn, Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Yale University, 1978

David J Eaton, Professor  
Bess Harris Jones Centennial Professorship in Natural Resource Policy  
Studies  
Lyndon B Johnson School of Public Affairs, Center for Middle Eastern  
Studies, Department of Geography and the Environment, Department of  
Middle Eastern Studies, and Department of Integrative Biology  
PhD, Johns Hopkins University, 1977

Brenda W Eivens, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MPA, Texas State University, 1995

Gregory William Engle, Lecturer  
Lyndon B Johnson School of Public Affairs  
MPAdmin, University of Colorado at Colorado Springs, 1979

Mary Evans, Professor  
Lyndon B Johnson School of Public Affairs and Department of  
Economics  
PhD, University of Colorado at Boulder, 2001

Raissa Fabregas robes gil, Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MS, University of Oxford, 2009

Sonia Feigenbaum, Adjunct Professor  
Lyndon B Johnson School of Public Affairs and Department of  
Government  
PhD, Indiana University at Bloomington, 1996

Kenneth Flamm, Professor

Dean Rusk Chair in the Lyndon Baines Johnson School of Public Affairs  
Lyndon B Johnson School of Public Affairs  
PhD, Massachusetts Institute of Technology, 1979

James K Galbraith, Professor  
Lloyd M. Bentsen, Jr. Chair in Government/Business Relations  
Lyndon B Johnson School of Public Affairs and Department of  
Government  
PhD, Yale University, 1981

Matthew Gill, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MA, Naval War College, 2010

Sherri R Greenberg, Professor of Practice  
Lyndon B Johnson School of Public Affairs  
MSc, University of London, 1981

Sheena Elise Greitens, Associate Professor  
Lyndon B Johnson School of Public Affairs and Department of  
Government  
PhD, Harvard University, 2013

Rachel Mary Hoff, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MPAff, University of Texas at Austin, 2014

Michael Hole, Research Assistant Professor  
Department of Pediatrics, Lyndon B Johnson School of Public Affairs,  
and Department of Population Health  
MD, Stanford University, 2014

William Inboden, Associate Professor  
Lyndon B Johnson School of Public Affairs and Department of History  
PhD, Yale University, 2003

Bobby R Inman, Professor  
Lyndon B Johnson School of Public Affairs  
BA, University of Texas at Austin, 1950

Paul W Jack, Adjunct Professor  
Lyndon B Johnson School of Public Affairs  
MPA, University of Texas at Austin, 2002

Peniel E Joseph, Professor  
Barbara Jordan Chair in Ethics and Political Values  
Lyndon B Johnson School of Public Affairs and Department of History  
PhD, Temple University, 2000

Carey W King, Assistant Professor of Instruction  
Department of Business, Government and Society and Lyndon B  
Johnson School of Public Affairs  
PhD, University of Texas at Austin, 2004

Meeta Kothare, Adjunct Professor  
Department of Management, Lyndon B Johnson School of Public Affairs,  
and Department of Finance  
PhD, University of Rochester, 1992

Alan J Kuperman, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Massachusetts Institute of Technology, 2002

Erin Lentz, Associate Professor  
Lyndon B Johnson School of Public Affairs  
MS, Cornell University, 2005

Roberta G Lentz, Adjunct Associate Professor  
Lyndon B Johnson School of Public Affairs

PhD, University of Texas at Austin, 2008

Michael E Lind, Professor of Practice  
Lyndon B Johnson School of Public Affairs  
JD, University of Texas at Austin, 1988

Martin Joseph Luby, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Indiana University at Bloomington, 2010

Ji Ma, Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MA, Beijing Normal University, 2013

Michele Lynn Malvesti, Visiting Professor  
School of Law and Lyndon B Johnson School of Public Affairs  
PhD, Tufts University, 2002

William H Mcraven, Professor  
Lyndon B Johnson School of Public Affairs  
MA, Naval Postgraduate School, 1991

John O'Brien, Lecturer  
Lyndon B Johnson School of Public Affairs  
MPA, University of Texas at Austin, 1981

Mike O'Connor, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of Texas at Austin, 2006

Kimberly Olivares, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MPAff, University of Texas at Austin, 2004

Sheila M Olmstead, Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Harvard University, 2002

Todd A Olmstead, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Harvard University, 2000

Francie Ostrower, Professor  
Lyndon B Johnson School of Public Affairs and College of Fine Arts  
PhD, Yale University, 1991

Rajeev Charles Patel, Research Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Cornell University, 2002

Steven Wayne Pedigo, Professor of Practice  
Lyndon B Johnson School of Public Affairs  
MS, Carnegie Mellon University, 2005

James Paul Pope, Professor of Practice  
Lyndon B Johnson School of Public Affairs  
MA, Naval Postgraduate School, 1982

Varun Rai, Professor  
Walt and Elspeth Rostow Chair in National Security  
Lyndon B Johnson School of Public Affairs and Department of  
Mechanical Engineering  
PhD, Stanford University, 2008

Lorinc Redej, Associate Professor of Instruction  
Lyndon B Johnson School of Public Affairs  
PhD, Central European University, 2013

Patricia Ruggles, Visiting Professor  
Lyndon B Johnson School of Public Affairs

PhD, Harvard University, 1980

Jaganath Sankaran, Assistant Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of Maryland College Park, 2012

Larry Singell, Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of California-Santa Barbara, 1988

Stephen Slick, Professor of Practice  
Center for Middle Eastern Studies and Lyndon B Johnson School of  
Public Affairs  
JD, University of California-Los Angeles, 1983

Evan A Smith, Lecturer  
Lyndon B Johnson School of Public Affairs  
MA, Northwestern University, 1988

Niyanta P Spelman, Adjunct Assistant Professor  
Lyndon B Johnson School of Public Affairs  
MPAff, University of Texas at Austin, 1994

David W Springer, Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Florida State University, 1997

Paul J Stekler, Professor  
Wofford Denius Chair in Entertainment Studies  
Lyndon B Johnson School of Public Affairs, Department of Radio-  
Television-Film, and Department of Government  
PhD, Harvard University, 1983

Jeremi Suri, Professor  
Mack Brown Distinguished Chair for Leadership in Global Affairs  
Lyndon B Johnson School of Public Affairs, Department of History,  
Center for Middle Eastern Studies, and Program in the Human  
Dimensions of Organizations  
PhD, Yale University, 2001

Paul Von hippel, Associate Professor  
Lyndon B Johnson School of Public Affairs and Department of Sociology  
PhD, Ohio State U Main Campus, 2010

David C Warner, Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Syracuse University Main Campus, 1969

Ruth Ellen Wasem, Professor of Practice  
Lyndon B Johnson School of Public Affairs  
PhD, University of Michigan-Ann Arbor, 1990

Andrew Waxman, Assistant Professor  
Lyndon B Johnson School of Public Affairs  
PhD, Cornell University, 2016

Catherine Elizabeth Weaver, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of Wisconsin-Madison, 2003

Patrick P Wong, Associate Professor  
Lyndon B Johnson School of Public Affairs  
PhD, University of Wisconsin-Madison, 1988

## English as a Second Language

English as a second language (ESL) courses are offered under the supervision of the Office of the Executive Vice President and Provost and

Texas Global. The courses are designed for international students who have a below-passing score on certain assessment tests.

English as a second language courses may not be counted toward any degree, but are included in determining if a student's course load satisfies requirements for issues such as immigration, employment, housing, and financial aid.

More information is available from [Texas Global](#).

## **Courses, English as a Second Language**

Please see the [General Information Catalog](#) for a list of courses. The following fields of study are housed in Texas Global: [English as a Second Language \(ESL\)](#).

## **Appendix A: Texas Common Course Numbering System**

The Texas Common Course Numbering (TCCN) course designations and their University transfer credit evaluations can be found in the *General Information Catalog*.

## **Appendix B: Course Abbreviations**

The University offers courses in various fields of study, which are published in the *General Information Catalog*. Please see the [Courses](#) section of the *General Information Catalog* for fields of study and their corresponding abbreviations.

## **Undergraduate Catalog A-Z Index**

# Index

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## A

Academic Advising .....	20
Academic Policies and Procedures, Cockrell School of Engineering ...	150
Academic Policies and Procedures, College of Education .....	125
Academic Policies and Procedures, College of Fine Arts .....	216
Academic Policies and Procedures, College of Liberal Arts .....	286
Academic Policies and Procedures, College of Natural Sciences .....	394
Academic Policies and Procedures, College of Pharmacy .....	502
Academic Policies and Procedures, John A. and Katherine G. Jackson School of Geosciences .....	255
Academic Policies and Procedures, Moody College of Communication .	94
Academic Policies and Procedures, Red McCombs School of Business	49
Academic Policies and Procedures, School of Architecture .....	32
Academic Policies and Procedures, School of Information .....	275
Academic Policies and Procedures, School of Nursing .....	488
Academic Policies and Procedures, School of Undergraduate Studies ..	23
Academic Policies and Procedures, Steve Hicks School of Social Work	520
Accounting, Bachelor of Business Administration in .....	52
Accreditation, Bachelor of Science in Nursing .....	490
Accreditation, Didactic and Coordinated Programs in Dietetics .....	441
Admission and Registration, Cockrell School of Engineering .....	149
Admission and Registration, College of Education .....	124
Admission and Registration, College of Fine Arts .....	215
Admission and Registration, College of Liberal Arts .....	284
Admission and Registration, College of Natural Sciences .....	391
Admission and Registration, College of Pharmacy .....	500
Admission and Registration, John A. and Katherine G. Jackson School of Geosciences .....	253
Admission and Registration, Moody College of Communication .....	93
Admission and Registration, Red McCombs School of Business .....	48
Admission and Registration, School of Architecture .....	31
Admission and Registration, School of Information .....	275
Admission and Registration, School of Nursing .....	487
Admission and Registration, School of Undergraduate Studies .....	22
Admission and Registration, Steve Hicks School of Social Work .....	518
Advertising, Bachelor of Science in .....	95
Aerospace Engineering, Bachelor of Science in .....	156
African and African Diaspora Studies, Bachelor of Arts (Plan I) .....	299
American Studies, Bachelor of Arts (Plan I) .....	300
Anthropology, Bachelor of Arts (Plan I) .....	300
Appendix A: Texas Common Course Numbering System .....	531
Appendix B: Course Abbreviations .....	531
Architectural Engineering, Bachelor of Science in .....	159

Architectural Studies, Bachelor of Science in .....	39
Architecture, Bachelor of .....	35
Architecture, School of .....	28
Architecture/Bachelor of Arts, Plan II Dual Degree Program, Bachelor of	38
Architecture/Bachelor of Science in Architectural Engineering Dual Degree Program, Bachelor of .....	36
Art, Bachelor of Arts (Studio Art) .....	235
Asian American Studies, Bachelor of Arts (Plan I) .....	301
Asian Cultures and Languages, Bachelor of Arts (Plan I) .....	301
Asian Studies, Bachelor of Arts (Plan I) .....	302
Astronomy, Bachelor of Arts (Plan I) .....	403
Astronomy, Bachelor of Science and Arts in .....	408
Astronomy, Bachelor of Science in .....	416
Athletic Training, Bachelor of Science in .....	126

## B

Bachelor of Architecture .....	35
Bachelor of Architecture/Bachelor of Arts, Plan II Dual Degree Program	38
Bachelor of Architecture/Bachelor of Science in Architectural Engineering Dual Degree Program .....	36
Bachelor of Arts .....	235
Bachelor of Arts in Geological Sciences .....	259
Bachelor of Arts in Music .....	239
Bachelor of Arts in Theatre and Dance .....	238
Bachelor of Arts, Plan I, College of Liberal Arts .....	297
Bachelor of Arts, Plan I, College of Natural Sciences .....	401
Bachelor of Arts, Plan II .....	334
Bachelor of Arts with a major in Informatics .....	277
Bachelor of Business Administration .....	51
Bachelor of Fine Arts .....	223
Bachelor of Journalism .....	101
Bachelor of Music .....	229
Bachelor of Science and Arts .....	407
Bachelor of Science in Advertising .....	95
Bachelor of Science in Aerospace Engineering .....	156
Bachelor of Science in Architectural Engineering .....	159
Bachelor of Science in Architectural Studies .....	39
Bachelor of Science in Arts and Entertainment Technologies .....	241
Bachelor of Science in Astronomy .....	416
Bachelor of Science in Athletic Training .....	126
Bachelor of Science in Biochemistry .....	418
Bachelor of Science in Biology .....	419
Bachelor of Science in Biomedical Engineering .....	162
Bachelor of Science in Chemical Engineering .....	167
Bachelor of Science in Chemistry .....	423
Bachelor of Science in Civil Engineering .....	172

Bachelor of Science in Communication and Leadership .....	97
Bachelor of Science in Communication Studies .....	99
Bachelor of Science in Computational Engineering .....	174
Bachelor of Science in Computer Science .....	425
Bachelor of Science in Economics .....	338
Bachelor of Science in Education .....	127
Bachelor of Science in Electrical and Computer Engineering .....	177
Bachelor of Science in Environmental Engineering .....	184
Bachelor of Science in Environmental Science, College of Liberal Arts .....	340
Bachelor of Science in Environmental Science, College of Natural Sciences .....	430
Bachelor of Science in Environmental Science, John A. and Katherine G. Jackson School of Geosciences .....	260
Bachelor of Science in Geological Sciences .....	262
Bachelor of Science in Geosystems Engineering and Hydrogeology, John A. and Katherine G. Jackson School of Geosciences .....	267
Bachelor of Science in Geosystems Engineering and Hydrogeology, Cockrell School of Engineering .....	187
Bachelor of Science in Human Development and Family Sciences .....	432
Bachelor of Science in Interior Design .....	34
Bachelor of Science in Kinesiology and Health .....	130
Bachelor of Science in Mathematics .....	434
Bachelor of Science in Mechanical Engineering .....	189
Bachelor of Science in Medical Laboratory Science .....	437
Bachelor of Science in Neuroscience .....	439
Bachelor of Science in Nursing .....	491
Bachelor of Science in Nutrition .....	441
Bachelor of Science in Petroleum Engineering .....	192
Bachelor of Science in Physics .....	443
Bachelor of Science in Psychology .....	342
Bachelor of Science in Public Health .....	446
Bachelor of Science in Public Relations .....	103
Bachelor of Science in Radio-Television-Film .....	105
Bachelor of Science in Speech, Language, and Hearing Sciences .....	107
Bachelor of Science in Statistics and Data Science .....	449
Bachelor of Science in Textiles and Apparel .....	450
Bachelor of Science with a major in Informatics .....	279
Bachelor of Social Work .....	521
Biochemistry, Bachelor of Science in .....	418
Biology, Bachelor of Science and Arts .....	408
Biology, Bachelor of Science in .....	419
Biomedical Engineering, Bachelor of Science in .....	162
Board of Regents .....	9
Business Administration, Bachelor of .....	51
Business Analytics .....	54
Business Honors Program, Bachelor of Business Administration in .....	55

## C

Career Services, School of Undergraduate Studies .....	25
Chemical Engineering, Bachelor of Science in .....	167
Chemistry, Bachelor of Arts (Plan I) .....	403
Chemistry, Bachelor of Science and Arts .....	409
Chemistry, Bachelor of Science in .....	423
Civil Engineering, Bachelor of Science in .....	172
Classical Languages, Bachelor of Arts (Plan I) .....	303
Classical Studies, Bachelor of Arts (Plan I) .....	304
Cockrell School of Engineering .....	145
College of Education .....	123
College of Fine Arts .....	213
College of Liberal Arts .....	283
College of Natural Sciences .....	389
College of Pharmacy .....	495
Communication Studies, Bachelor of Science in .....	99
Composition Major .....	229
Computer Science, Bachelor of Science and Arts in .....	410
Computer Science, Bachelor of Science in .....	425
Core Curriculum .....	23
Course Abbreviations .....	531
Courses, Américo Paredes Center for Cultural Studies .....	360
Courses, Biology Instruction Office .....	462
Courses, Center for Asian American Studies .....	360
Courses, Center for European Studies .....	361
Courses, Center for Middle Eastern Studies .....	361
Courses, Center for Russian, East European, and Eurasian Studies .....	362
Courses, Center for Women's and Gender Studies .....	362
Courses, Cockrell School of Engineering .....	198
Courses, College of Education .....	137
Courses, College of Fine Arts .....	242
Courses, College of Liberal Arts .....	360
Courses, College of Natural Sciences .....	462
Courses, College of Pharmacy .....	507
Courses, Department of Accounting .....	82
Courses, Department of Aerospace Engineering and Engineering Mechanics .....	198
Courses, Department of African and African Diaspora Studies .....	360
Courses, Department of Air Force Science .....	362
Courses, Department of American Studies .....	360
Courses, Department of Anthropology .....	360
Courses, Department of Art and Art History .....	242
Courses, Department of Asian Studies .....	360
Courses, Department of Astronomy .....	462
Courses, Department of Biomedical Engineering .....	198

Courses, Department of Business, Government and Society .....	82	Courses, Department of Theatre and Dance .....	243
Courses, Department of Chemistry .....	462	Courses, English as a Second Language .....	531
Courses, Department of Civil, Architectural, and Environmental Engineering .....	199	Courses, Hildebrand Department of Petroleum and Geosystems Engineering .....	199
Courses, Department of Classics .....	360	Courses, J. Mike Walker Department of Mechanical Engineering .....	199
Courses, Department of Communication Studies .....	116	Courses, John A and Katherine G. Jackson School of Geosciences ....	271
Courses, Department of Computer Science .....	463	Courses, John J. McKetta Jr. Department of Chemical Engineering ....	198
Courses, Department of Curriculum and Instruction .....	137	Courses, Latin American Studies .....	361
Courses, Department of Economics .....	360	Courses, Lyndon B. Johnson School of Public Affairs .....	528
Courses, Department of Educational Leadership and Policy .....	137	Courses, Moody College of Communication .....	116
Courses, Department of Educational Psychology .....	137	Courses, Plan II Honors Program .....	361
Courses, Department of Electrical and Computer Engineering .....	199	Courses, Program in Comparative Literature .....	360
Courses, Department of English .....	360	Courses, Red McCombs School of Business .....	82
Courses, Department of Finance .....	82	Courses, Sarah and Ernest Butler School of Music .....	243
Courses, Department of French and Italian .....	361	Courses, School of Architecture .....	43
Courses, Department of Geography and the Environment .....	361	Courses, School of Design and Creative Technologies .....	243
Courses, Department of Geological Sciences .....	271	Courses, School of Human Ecology .....	463
Courses, Department of Germanic Studies .....	361	Courses, School of Information .....	281
Courses, Department of Government .....	361	Courses, School of Journalism and Media .....	116
Courses, Department of History .....	361	Courses, School of Nursing .....	492
Courses, Department of Information, Risk, and Operations Management .....	82	Courses, School of Undergraduate Studies .....	28
Courses, Department of Kinesiology and Health Education .....	137	Courses, Schusterman Center for Jewish Studies .....	361
Courses, Department of Linguistics .....	361	Courses, Science Education Center .....	137
Courses, Department of Management .....	82	Courses, Stan Richards School of Advertising and Public Relations ...	116
Courses, Department of Marine Science .....	463	Courses, Steve Hicks School of Social Work .....	525
Courses, Department of Marketing .....	82	Coursework, Graduate School and the School of Law .....	19
Courses, Department of Mathematics .....	463		
Courses, Department of Mexican American and Latina/o Studies ....	361	<b>D</b>	
Courses, Department of Middle Eastern Studies .....	361	Degree Audit, Jackson School of Geosciences .....	257
Courses, Department of Military Science .....	362	Degree Programs .....	11
Courses, Department of Molecular Biosciences .....	463	Degrees and Programs, Cockrell School of Engineering .....	153
Courses, Department of Naval Science .....	362	Degrees and Programs, College of Education .....	125
Courses, Department of Neuroscience .....	463	Degrees and Programs, College of Fine Arts .....	219
Courses, Department of Philosophy .....	361	Degrees and Programs, College of Liberal Arts .....	293
Courses, Department of Physics .....	463	Degrees and Programs, College of Natural Sciences .....	399
Courses, Department of Psychology .....	361	Degrees and Programs, College of Pharmacy .....	505
Courses, Department of Radio-Television-Film .....	116	Degrees and Programs, John A. and Katherine G. Jackson School of Geosciences .....	257
Courses, Department of Religious Studies .....	361	Degrees and Programs, Moody College of Communication .....	95
Courses, Department of Rhetoric and Writing .....	362	Degrees and Programs, Red McCombs School of Business .....	50
Courses, Department of Slavic and Eurasian Studies .....	362	Degrees and Programs, School of Architecture .....	33
Courses, Department of Sociology .....	362	Degrees and Programs, School of Information .....	276
Courses, Department of Spanish and Portuguese .....	362	Degrees and Programs, School of Nursing .....	490
Courses, Department of Special Education .....	137	Degrees and Programs, Steve Hicks School of Social Work .....	521
Courses, Department of Speech, Language, and Hearing Sciences ....	116	Degrees Offered at the University .....	11
		Department of Statistics and Data Sciences .....	463

Directory of Offices .....	9	General Information, School of Information .....	273
Doctor of Pharmacy .....	505	General Information, School of Nursing .....	486
<b>E</b>		General Information, School of Undergraduate Studies .....	22
Economics, Bachelor of Arts (Plan I) .....	305	General Information, Steve Hicks School of Social Work .....	516
Education, College of .....	123	General Requirements, Graduation .....	20
Electrical Engineering, Bachelor of Science in .....	177	General Requirements, of the University .....	20
English as a Second Language .....	530	Geography, Bachelor of Arts (Plan I) .....	310
English, Bachelor of Arts (Plan I) .....	306	Geological Sciences, Bachelor of Arts in .....	259
Environmental Science, Bachelor of Science in (Biological Sciences) ..	430	Geological Sciences, Bachelor of Science in .....	262
Environmental Science, Bachelor of Science in (Geographical Sciences) ..	340	Geosystems Engineering and Hydrogeology, Bachelor of Science in ..	187
Environmental Science, Bachelor of Science in (Geological Sciences) ..	260	German .....	311
Ethnic Studies, Bachelor of Arts (Plan I) .....	307	Government, Bachelor of Arts (Plan I) .....	312
European Studies, Bachelor of Arts (Plan I) .....	308	Graduation Ceremony .....	20
<b>F</b>		Graduation, Cockrell School of Engineering .....	152
Faculty, Cockrell School of Engineering .....	199	Graduation, College of Education .....	125
Faculty, College of Education .....	137	Graduation, College of Fine Arts .....	218
Faculty, College of Fine Arts .....	243	Graduation, College of Liberal Arts .....	293
Faculty, College of Liberal Arts .....	362	Graduation, College of Natural Sciences .....	398
Faculty, College of Natural Sciences .....	463	Graduation, College of Pharmacy .....	505
Faculty, College of Pharmacy .....	507	Graduation, John A. and Katherine G. Jackson School of Geosciences ..	257
Faculty, John A. and Katherine G. Jackson School of Geosciences ....	271	Graduation, Moody College of Communication .....	94
Faculty, Moody College of Communication .....	116	Graduation, Red McCombs School of Business .....	50
Faculty, Red McCombs School of Business .....	82	Graduation, School of Architecture .....	33
Faculty, School of Architecture .....	43	Graduation, School of Information .....	275
Faculty, School of Information .....	281	Graduation, School of Nursing .....	490
Faculty, School of Nursing .....	492	Graduation, Steve Hicks School of Social Work .....	520
Faculty, Steve Hicks School of Social Work .....	525	Graduation Under a Particular Catalog .....	21
Finance, Bachelor of Business Administration in .....	59	<b>H</b>	
Fine Arts, Bachelor of .....	223	Health and Society .....	313
Fine Arts, College of .....	213	History, Bachelor of Arts (Plan I) .....	314
French, Bachelor of Arts (Plan I) .....	309	Honors .....	20
<b>G</b>		Human Development and Family Sciences, Bachelor of Science and Arts ..	411
General Information, Cockrell School of Engineering .....	145	Human Dimensions of Organizations .....	314
General Information, College of Education .....	123	Human Ecology, Bachelor of Science and Arts in .....	412
General Information, College of Fine Arts .....	213	Humanities, Bachelor of Arts (Plan I) .....	315
General Information, College of Liberal Arts .....	283	<b>I</b>	
General Information, College of Natural Sciences .....	389	Informatics, Bachelor of Arts .....	277
General Information, College of Pharmacy .....	495	Informatics, Bachelor of Science .....	279
General Information, John A. and Katherine G. Jackson School of ..	252	Information, School of .....	273
General Information, Moody College of Communication .....	93	Interdisciplinary Opportunities .....	14
General Information, Red McCombs School of Business .....	46	Interior Design, Bachelor of Science in .....	34
General Information, School of Architecture .....	28	International Business, Bachelor of Business Administration in .....	60
		International Relations and Global Studies, Bachelor of Arts (Plan I) ...	316



Introduction .....	8
Italian, Bachelor of Arts (Plan I) .....	317
<b>J</b>	
Jazz Major .....	231
Jewish Studies, Bachelor of Arts (Plan I) .....	318
John A. and Katherine G. Jackson School of Geosciences .....	252
Journalism, Bachelor of .....	101
<b>K</b>	
Kinesiology and Health, Bachelor of Science in .....	130
<b>L</b>	
Latin American Studies, Bachelor of Arts (Plan I) .....	319
Liberal Arts, College of .....	283
Linguistics, Bachelor of Arts (Plan I) .....	320
Lyndon B. Johnson School of Public Affairs .....	528
Lyndon B. Johnson School of Public Affairs Faculty .....	528
<b>M</b>	
Management, Bachelor of Business Administration in .....	62
Management Information Systems, Bachelor of Business Administration in .....	63
Marketing, Bachelor of Business Administration in .....	64
Mathematics, Bachelor of Arts (Plan I) .....	404
Mathematics, Bachelor of Science and Arts .....	413
Mathematics, Bachelor of Science in .....	434
Mechanical Engineering, Bachelor of Science in .....	189
Medical Laboratory Science, Bachelor of Science in .....	437
Merchandising and Consumer Sciences Option, Bachelor of Science in Textiles and Apparel .....	450
Mexican American and Latina/o Studies, Bachelor of Arts (Plan I) .....	320
Middle Eastern Studies, Bachelor of Arts (Plan I) .....	321
Minor and Certificate Programs, Cockrell School of Engineering .....	194
Minor and Certificate Programs, College of Education .....	136
Minor and Certificate Programs, College of Fine Arts .....	242
Minor and Certificate Programs, College of Liberal Arts .....	345
Minor and Certificate Programs, College of Natural Sciences .....	451
Minor and Certificate Programs, John A. and Katherine G. Jackson School of Geosciences .....	269
Minor and Certificate Programs, Moody College of Communication .....	109
Minor and Certificate Programs, Red McCombs School of Business .....	66
Minor and Certificate Programs, School of Architecture .....	41
Minor and Certificate Programs, School of Information .....	280
Minor and Certificate Programs, School of Undergraduate Studies .....	25
Minor and Certificate Programs, Steve Hicks School of Social Work .....	524
Minor and Certificate Programs, The University .....	14
Mission of the University .....	8
Moody College of Communication .....	93

Music, Bachelor of .....	229
Music, Bachelor of Arts in .....	239
<b>N</b>	
Natural Sciences, College of .....	389
Neuroscience, Bachelor of Science and Arts in .....	414
Neuroscience, Bachelor of Science in .....	439
Non-Undergraduate Schools and Programs .....	528
Nursing, Bachelor of Science in .....	491
Nursing, School of .....	486
Nutrition, Bachelor of Science and Arts .....	415
Nutrition, Bachelor of Science in .....	441
<b>O</b>	
Officers of the Administration .....	8
Organization of the University .....	10
<b>P</b>	
Petroleum Engineering, Bachelor of Science in .....	192
Pharmacy, College of .....	495
Pharmacy Preprofessional and Professional Coursework .....	506
Philosophy, Bachelor of Arts (Plan I) .....	322
Physics, Bachelor of Arts (Plan I) .....	406
Physics, Bachelor of Science and Arts in .....	415
Physics, Bachelor of Science in .....	443
Portuguese .....	323
Preparation for Health Professions .....	17
Preparation for Law .....	17
Preparation for Teacher Certification .....	18
Programs and Centers .....	26
Programs and Centers, School of Undergraduate Studies .....	25
Psychology, Bachelor of Arts (Plan I) .....	323
Psychology, Bachelor of Science in .....	342
Public Health, Bachelor of Science in .....	446
Public Relations, Bachelor of Science in .....	103
<b>R</b>	
Race, Indigeneity, and Migration .....	324
Radio-Television-Film, Bachelor of Science in .....	105
Red McCombs School of Business .....	46
Religious Studies, Bachelor of Arts (Plan I) .....	325
Rhetoric and Writing, Bachelor of Arts (Plan I) .....	328
Russian, East European, and Eurasian Studies, Bachelor of Arts (Plan I) .....	329
<b>S</b>	
School of Architecture .....	28
School of Information .....	273
School of Nursing .....	486

School of Undergraduate Studies .....	22	Suggested Arrangement of Courses, Chemistry (BSCh) .....	425
Simultaneous Majors .....	14	Suggested Arrangement of Courses, Civil Engineering (BSCE) .....	174
Social Work, Bachelor of .....	521	Suggested Arrangement of Courses, Classical Languages (BA) .....	304
Sociology, Bachelor of Arts (Plan I) .....	330	Suggested Arrangement of Courses, Classical Studies (BA) .....	305
Spanish .....	331	Suggested Arrangement of Courses, Communication and Leadership (BSCComm&Lead) .....	98
Speech, Language, and Hearing Sciences, Bachelor of Science in .....	107	Suggested Arrangement of Courses, Communication Studies (BSCCommStds) .....	101
Steve Hicks School of Social Work .....	516	Suggested Arrangement of Courses, Composition (BMusic) .....	232
Suggested Arrangement of Courses, Accounting (BBA) .....	54	Suggested Arrangement of Courses, Computational Engineering (BSCompE) .....	176
Suggested Arrangement of Courses, Acting (BFA) .....	225	Suggested Arrangement of Courses, Computer Science (BSA) .....	411
Suggested Arrangement of Courses, Advertising (BSAdv) .....	97	Suggested Arrangement of Courses, Computer Science (BSCompSci) .....	429
Suggested Arrangement of Courses, Aerospace Engineering (BSAse) .....	158	Suggested Arrangement of Courses, Dance (BFA) .....	227
Suggested Arrangement of Courses, African and African Diaspora Studies (BA) .....	299	Suggested Arrangement of Courses, Design (BA) .....	237
Suggested Arrangement of Courses, American Studies (BA) .....	300	Suggested Arrangement of Courses, Design (BFA) .....	227
Suggested Arrangement of Courses, Anthropology (BA) .....	300	Suggested Arrangement of Courses, Economics (BA) .....	305
Suggested Arrangement of Courses, Applied Movement Science (BSKin&Health) .....	133	Suggested Arrangement of Courses, Economics (BSECO) .....	340
Suggested Arrangement of Courses, Architectural Engineering (BSArchE) .....	161	Suggested Arrangement of Courses, Education (BSEd) .....	129
Suggested Arrangement of Courses, Architectural Studies (BSAS) .....	40	Suggested Arrangement of Courses, Electrical and Computer Engineering (BSECE) .....	184
Suggested Arrangement of Courses, Architecture (BArch) .....	35	Suggested Arrangement of Courses, English (BA) .....	306
Suggested Arrangement of Courses, Architecture/Architectural Engineering (BArch/BSArchE) .....	37	Suggested Arrangement of Courses, Environmental Engineering (BSEnvE) .....	186
Suggested Arrangement of Courses, Architecture/Plan II Honors (BArch/BA) .....	39	Suggested Arrangement of Courses, Ethnic Studies (BA) .....	307
Suggested Arrangement of Courses, Art Education (BFA) .....	226	Suggested Arrangement of Courses, European Studies (BA) .....	309
Suggested Arrangement of Courses, Art History (BA) .....	236	Suggested Arrangement of Courses, Exercise Science (BSKin&Health) .....	134
Suggested Arrangement of Courses, Arts and Entertainment Technologies (BSAET) .....	241	Suggested Arrangement of Courses, Finance (BBA) .....	60
Suggested Arrangement of Courses, Asian Cultures and Languages (BA) .....	302	Suggested Arrangement of Courses, French Studies (BA) .....	309
Suggested Arrangement of Courses, Asian Studies (BA) .....	303	Suggested Arrangement of Courses, General Geology (BSGeoSci) .....	264
Suggested Arrangement of Courses, Astronomy (BA) .....	403	Suggested Arrangement of Courses, Geographical Sciences (BSEnvSci) .....	342
Suggested Arrangement of Courses, Astronomy (BSA) .....	408	Suggested Arrangement of Courses, Geography (BA) .....	310
Suggested Arrangement of Courses, Astronomy (BSAst) .....	417	Suggested Arrangement of Courses, Geological Sciences (BAGeoSci) .....	260
Suggested Arrangement of Courses, Athletic Training (BSAthTrng) .....	127	Suggested Arrangement of Courses, Geological Sciences (BSEnvSci) .....	262
Suggested Arrangement of Courses, Biochemistry (BSBioch) .....	419	Suggested Arrangement of Courses, Geological Sciences (BSGeoSci) .....	265
Suggested Arrangement of Courses, Biological Sciences (BSEnvSci) .....	431	Suggested Arrangement of Courses, Geophysics (BSGeoSci) .....	266
Suggested Arrangement of Courses, Biology (BSA) .....	409	Suggested Arrangement of Courses, Geosystems Engineering and Hydrogeology (BSGEH) .....	188
Suggested Arrangement of Courses, Biology (BSBio) .....	422	Suggested Arrangement of Courses, Geosystems Engineering and Hydrogeology (BSGEH) .....	269
Suggested Arrangement of Courses, Biomedical Engineering (BSBiomedE) .....	167	Suggested Arrangement of Courses, German (BA) .....	311
Suggested Arrangement of Courses, Business Administration, Honors track (BBA) .....	58	Suggested Arrangement of Courses, Government (BA) .....	312
Suggested Arrangement of Courses, Business Analytics (BBA) .....	55	Suggested Arrangement of Courses, Health and Society (BA) .....	313
Suggested Arrangement of Courses, Chemical Engineering (BSChE) .....	171	Suggested Arrangement of Courses, Health Promotion and Behavioral Science (BSKin&Health) .....	134
Suggested Arrangement of Courses, Chemistry (BA) .....	404	Suggested Arrangement of Courses, History (BA) .....	314
Suggested Arrangement of Courses, Chemistry (BSA) .....	410		

Suggested Arrangement of Courses, Human Development and Family Sciences (BSA) .....	411	Suggested Arrangement of Courses, Physics (BSPhy) .....	446
Suggested Arrangement of Courses, Human Development and Family Sciences (BSHDFS) .....	433	Suggested Arrangement of Courses, Plan II Honors Program (BA) .....	338
Suggested Arrangement of Courses, Human Dimensions of Organizations (BA) .....	315	Suggested Arrangement of Courses, Portuguese (BA) .....	323
Suggested Arrangement of Courses, Human Ecology (BSA) .....	412	Suggested Arrangement of Courses, Psychology (BA) .....	324
Suggested Arrangement of Courses, Humanities (BA) .....	315	Suggested Arrangement of Courses, Psychology (BSPsy) .....	344
Suggested Arrangement of Courses, Hydrogeology (BSGeoSci) .....	266	Suggested Arrangement of Courses, Public Health (BSPublicHealth) ..	448
Suggested Arrangement of Courses, Informatics (BA) .....	278	Suggested Arrangement of Courses, Public Relations (BSPR) .....	104
Suggested Arrangement of Courses, Informatics (BSI) .....	280	Suggested Arrangement of Courses, Race, Indigeneity, and Migration (BA) .....	325
Suggested Arrangement of Courses, Interior Design (BSID) .....	34	Suggested Arrangement of Courses, Radio-Television-Film (BSRTF) ..	106
Suggested Arrangement of Courses, International Business (BBA) .....	61	Suggested Arrangement of Courses, Religious Studies (BA) .....	328
Suggested Arrangement of Courses, International Relations and Global Studies (BA) .....	317	Suggested Arrangement of Courses, Rhetoric and Writing (BA) .....	329
Suggested Arrangement of Courses, Italian Studies (BA) .....	317	Suggested Arrangement of Courses, Russian, East European, and Eurasian Studies (BA) .....	329
Suggested Arrangement of Courses, Jazz (BMusic) .....	233	Suggested Arrangement of Courses, Social Work (BSW) .....	523
Suggested Arrangement of Courses, Jewish Studies (BA) .....	318	Suggested Arrangement of Courses, Sociology (BA) .....	330
Suggested Arrangement of Courses, Journalism (BJ) .....	103	Suggested Arrangement of Courses, Spanish (BA) .....	331
Suggested Arrangement of Courses, Latin American Studies (BA) .....	319	Suggested Arrangement of Courses, Speech, Language, and Hearing Sciences (BSSLH) .....	108
Suggested Arrangement of Courses, Linguistics (BA) .....	320	Suggested Arrangement of Courses, Sport Management (BSKin&Health) .....	135
Suggested Arrangement of Courses, Management (BBA) .....	63	Suggested Arrangement of Courses, Statistics and Data Science (BSSDS) .....	449
Suggested Arrangement of Courses, Management Information Systems (BBA) .....	63	Suggested Arrangement of Courses, Studio Art (BA) .....	237
Suggested Arrangement of Courses, Marketing (BBA) .....	64	Suggested Arrangement of Courses, Studio Art (BFA) .....	228
Suggested Arrangement of Courses, Mathematics (BA) .....	405	Suggested Arrangement of Courses, Supply Chain Management (BBA) ..	65
Suggested Arrangement of Courses, Mathematics (BSA) .....	413	Suggested Arrangement of Courses, Sustainability Studies (BA) .....	332
Suggested Arrangement of Courses, Mathematics (BSMath) .....	436	Suggested Arrangement of Courses, Textiles and Apparel (BSTA) .....	451
Suggested Arrangement of Courses, Mechanical Engineering (BSME) ..	192	Suggested Arrangement of Courses, Theatre and Dance (BATD) .....	239
Suggested Arrangement of Courses, Medical Laboratory Science (BSMedLabSci) .....	438	Suggested Arrangement of Courses, Theatre Education (BFA) .....	228
Suggested Arrangement of Courses, Mexican American and Latina/o Studies (BA) .....	320	Suggested Arrangement of Courses, Urban Studies (BA) .....	333
Suggested Arrangement of Courses, Middle Eastern Studies (BA) .....	321	Suggested Arrangement of Courses, Women's and Gender Studies (BA) .....	334
Suggested Arrangement of Courses, Music (BAMusic) .....	240	Suggested Arrangement of Courses, Youth and community Studies (BSEd) .....	130
Suggested Arrangement of Courses, Music Performance (BMusic) ...	234	Supply Chain Management .....	65
Suggested Arrangement of Courses, Music Studies (BMusic) .....	234	Supply Chain Management, Bachelor of Business Administration in ...	65
Suggested Arrangement of Courses, Neuroscience (BSA) .....	414	Sustainability Studies .....	332
Suggested Arrangement of Courses, Neuroscience (BSNeurosci) .....	440	<b>T</b>	
Suggested Arrangement of Courses, Nursing (BSN) .....	491	Texas Common Course Numbering System .....	531
Suggested Arrangement of Courses, Nutrition (BSA) .....	415	Textiles and Apparel, Bachelor of Science in .....	450
Suggested Arrangement of Courses, Nutrition (BSNtr) .....	443	Theatre and Dance, Bachelor of Arts in .....	238
Suggested Arrangement of Courses, Petroleum Engineering (BSPE) ..	194	<b>U</b>	
Suggested Arrangement of Courses, Philosophy (BA) .....	322	Undergraduate Catalog 2022-2024 .....	8
Suggested Arrangement of Courses, Physical Culture and Sports (BSKin&Health) .....	135	Undergraduate Catalog A-Z Index .....	531
Suggested Arrangement of Courses, Physics (BA) .....	406	Undergraduate Degrees .....	11
Suggested Arrangement of Courses, Physics (BSA) .....	415	Undergraduate Studies, School of .....	22

University, the .....	10
Urban Studies, Bachelor of Arts (Plan I) .....	332
UTeach-Fine Arts Teacher Certification .....	222

**W**

Women's and Gender Studies, Bachelor of Arts (Plan I) .....	333
---	-----