

Computer Science, Honors/Business Administration, Honors (BSCompSci/BBA)

The Computer Science and Business Honors (CSB Honors) program enables students to pursue two different degrees simultaneously as a single dual degree arrangement of coursework.

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.

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 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.

Total Hours Required: 124

Plan of Study

The Plan of Study is a suggested four-year course sequence to support academic planning and serves as a helpful guide. Currently enrolled students should meet with their academic advisor to tailor their course selections and timelines to their individual goals and circumstances.

Course	Title	Hours
Year 1		
Semester 1		
C S 312	Introduction to Programming	3
M 408C	Differential and Integral Calculus	4
RHE 306	Rhetoric and Writing	3
<u>First-Year Signature Course (090)</u>		3
<u>Social and Behavioral Sciences (080)</u>		3
Hours		16
Semester 2		
C S 311	Discrete Mathematics for Computer Science	3
C S 314	Data Structures	3

M 408D	Sequences, Series, and Multivariable Calculus	4
<u>Communication (010)</u>		3
<u>U.S. History (060)</u>		3
Hours		16
Year 2		
Semester 1		
C S 429	Computer Organization and Architecture	4
SDS 321 or M 362K	Introduction to Probability and Statistics or Probability I	3
<u>American and Texas Government (070)</u>		3
<u>Visual and Performing Arts (050)</u>		3
Free Elective		2
Hours		15
Semester 2		
C S 439	Principles of Computer Systems	4
M 340L	Matrices and Matrix Calculations	3
GOV 312L	Issues and Policies in American Government	3
Hours chosen from: Upper-division C S		3
Free Elective		4
Hours		17
Year 3		
Semester 1		
C S 331	Algorithms and Complexity	3
<u>Natural Science and Technology, Part I (030)</u>		3
Hours chosen from: Upper-division C S		3
Foreign Language		3
Free Elective		3
Hours		15
Semester 2		
<u>Natural Science and Technology, Part I (030)</u>		3
Hours chosen from: Upper-division C S		3
Hours chosen from: Upper-division C S		3
Foreign Language		3
Free Elective		3
Hours		15
Year 4		
Semester 1		
<u>Humanities (040)</u>		3
Hours chosen from: Upper-division C S		3
Hours chosen from: Upper-division C S		3
Math or Science Course		3
Free Elective		3
Hours		15
Semester 2		
Hours chosen from: Upper-division C S		3
Hours chosen from: Upper-division C S		3
Free Elective		9
Hours		15
Total Hours		124

Requirements

All requirements are listed below, starting with the most specialized moving to the most general. Additional requirements may follow the table, so be sure to read the entire page. Some required courses listed below may also satisfy [General Education](#) requirements, including [Core Curriculum](#).

Code	Title	Hours
Bachelor of Science in Computer Science		
Choose a sequence below:		8
Sequence 1:		
M 408C	Differential and Integral Calculus	
M 408D	Sequences, Series, and Multivariable Calculus	

Sequence 2:			B A 130G	Topics in Professional Growth IV	1
M 408N	Differential Calculus for Science		B A 140G	Topics in Professional Growth V	1
M 408S	Integral Calculus for Science		BAH 151H	Lyceum	1
M 408M	Multivariable Calculus		Hours chosen from professional, business-related experiential learning course:		
Sequence 3:			ACC 366P	Accounting Practicum	
M 340L	Matrices and Matrix Calculations		B A 353	Internship in Business Administration	
or M 341	Linear Algebra and Matrix Theory		B A 653	Internship in Business Administration	
SDS 321	Introduction to Probability and Statistics	3	FIN 366P	Finance Practicum	
Choose a sequence below:			MAN 347P	Entrepreneurship Practicum	
Sequence 1:			MAN 366P	Management Practicum: Social Entrepreneurship I	
BIO 311C	Introductory Biology I		MAN 367P	Social Entrepreneurship II	
BIO 311D	Introductory Biology II		MAN 369P	Social Innovation Practicum	
Sequence 2:			MIS 366P	Management Information Systems Practicum	
BIO 315H	Advanced Introduction to Genetics: Honors		MKT 366P	Marketing Practicum	
BIO 325H	Genetics: Honors		O M 366P	Operations Management Practicum	
Sequence 3:			B A 353	Internship in Business Administration	
CH 301	Principles of Chemistry I		B A 324	Business Communication: Oral and Written	3
CH 301C	Foundations of Chemistry I		or COM 324H	Introduction to Business Communication: Honors	
Sequence 4:			D S 235H	Introduction to Decision Science: Honors	2
CH 302	Principles of Chemistry II		FIN 357H	Business Finance: Honors	3
CH 302C	Foundations of Chemistry II		LEB 323H	Business Law and Ethics: Honors	3
Sequence 5:			MAN 336H	Organizational Behavior: Honors	3
PHY 303K	Engineering Physics I		MAN 327H	Innovation and Entrepreneurship: Honors	3
or PHY 317K	General Physics I		MAN 374H	General Management and Strategy: Honors	3
PHY 105M	Laboratory For Physics 302K, 303K, and 317K		MIS 301H	Introduction to Information Technology Management: Honors	3
PHY 301	Mechanics		MKT 337H	Principles of Marketing: Honors	3
PHY 101L	Laboratory for Physics 301		O M 235H	Operations Management: Honors	2
Sequence 6:			STA 235H	Data Science for Business Applications: Honors	2
PHY 303L	Engineering Physics II		<i>Subtotal</i>		
or PHY 317L	General Physics II		48		
PHY 105N	Laboratory For Physics 302L, 303L, and 317L		Shared Requirements		
PHY 316	Electricity and Magnetism		Free electives: Additional coursework to reach total hours required.		
PHY 116L	Laboratory for Physics 316		<i>Subtotal</i>		
ECO 304K	Introduction to Microeconomics	3	0		
ECO 304L	Introduction to Macroeconomics	3	<i>Subtotal</i>		
C S 311H	Discrete Mathematics for Computer Science: Honors	3	0		
C S 331H	Algorithms and Complexity: Honors	3	General Education		
C S 314H	Data Structures: Honors	3	<u>Remaining Core Curriculum (42 hours total)</u>		
C S 429H	Computer Organization and Architecture: Honors	4	24		
C S 439H	Principles of Computer Systems: Honors	4	<u>Foreign Language other than English, Beginning Proficiency</u>		
Hours chosen from upper-division courses in computer science (six of which must carry the honors designation)			<i>Subtotal</i>		
<i>Subtotal</i>			24		
52			<u>College Requirements - Natural Sciences</u>		
Bachelor of Business Administration			<u>College Requirements - Business</u>		
Hours chosen from: 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. S S 302C, S S 302D, S S 302E, and S S 302F (for Plan II dual majors only) are also accepted)			<u>General University Requirements</u>		
ACC 311H	Fundamentals of Financial Accounting: Honors	3	Total Hours		
ACC 312H	Fundamentals of Managerial Accounting: Honors	3	124		
BAH 110G	Topics in Professional Growth I	1	Additional Requirements and Policies		
BAH 111G	Topics in Professional Growth II	1	1. Students who enter Computer Science and Business Honors (CSB Honors) as freshmen must have a minimum grade point average of 3.25 in courses taken in residence during the fall and spring semesters of their first year to remain in the program. They must also complete at least 12 letter#graded semester hours in residence in each of those semesters.		
B A 120G	Topics in Professional Growth III	1	2. After their freshman year, students are dismissed from the program if their overall, computer science, or business grade point average falls below 3.25. Additionally, students must know and follow the academic and disciplinary policies in this catalog and in the <i>General Information Catalog</i> . Failure to do so may result in academic dismissal from the program.		

3. Under special circumstances, the CSB Program Committee may permit students to continue in the program under academic review. Students experiencing scholastic difficulty should consult the CSB Honors Program directors and their academic advisors.
4. To graduate under the CSB Honors Program, students must earn a University grade point average of at least 3.25 and a grade point average of at least 3.25 in both business and computer science courses. Students must be enrolled at The University of Texas at Austin during the semester in which they receive their degree.
5. CSB students must satisfy the University's Core Curriculum and the degree requirements for both the B.S. in Computer Science and the B.B.A. (combined degree requirements below). Students who later choose to complete only one degree must consult with their academic advisors and fulfill all requirements for that degree.