

Suggested Arrangement of Courses, Geosciences (BSGS)

Teaching, Senior Grades

Requirements		Hours
1st Semester		
GEO 401 or GEO 303	Physical Geology (Major) Introduction to Geology	4
M 408C	Differential and Integral Calculus (General Education) ⁰²⁰	4
CH 301	Principles of Chemistry I (Elective) ⁰³⁰	3
UTS 101	Secondary Teacher Education Preparation: Step 1 (Major)	1
UGS 302 or UGS 303	First-Year Signature Course (Core) ⁰⁹⁰ First-Year Signature Course	3
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
2nd Semester		
GEO 405	Life through Time (Major)	4
BIO 311C	Introductory Biology I (Elective) ⁰⁹³	3
CH 302	Principles of Chemistry II (Elective) ⁰³⁰	3
UTS 110	Secondary Teacher Education Preparation: STEP 2 (Major)	1
Humanities (Core) ⁰⁴⁰		3
American and Texas Government (Core) ⁰⁷⁰		3
3rd Semester		
GEO 416K	Earth Materials (Major)	4
GEO 416M	Sedimentary Rocks (Major)	4
BIO 311D	Introductory Biology II (Elective)	3
Science elective (Elective)		3
U.S. History (Core) ⁰⁶⁰		3
4th Semester		
GEO 420K	Introduction to Field and Stratigraphic Methods (Major)	4
HIS 329U or PHL 329U	Perspectives on Science and Mathematics (General Education) Perspectives on Science and Mathematics	3
EDC 365C or UTS 350	Knowing and Learning in Math and Science (Major) Knowing and Learning in Math and Science	3
Upper-division GEO course (Major)		4
U.S. History (Core) ⁰⁶⁰		3
5th Semester		
PHY 303L	Engineering Physics II (General Education)	3
PHY 103N	Laboratory for Physics 303L (General Education)	1
EDC 365D or UTS 355	Classroom Interactions (Major) Classroom Interactions	3
BIO 337 (Topic 2), CH 368 (Topic 1), or PHY 341 (Topic 7) (Major)		3

Upper-division GEO course (Major)		4
Social and Behavioral Sciences (Core) ⁰⁸⁰		3
6th Semester		
EDC 365E or UTS 360	Project-Based Instruction (Elective) Project-Based Instruction	3
PHY 303K	Engineering Physics I (General Education)	3
PHY 103M	Laboratory for Physics 303K (General Education)	1
American and Texas Government (Core) ⁰⁷⁰		3
Upper-division GEO course (Major)		4
Free elective (Elective)		3
7th Semester		
MNS 307	Introduction to Oceanography (Elective)	3
AST 303 or AST 307 or AST 367M	Introduction to Astronomy with Celestial Observations (Elective) Introductory Astronomy Physical Science: Methods of Astronomy	3
Visual and Performing Arts (Core) ⁰⁵⁰		3
Upper-division Science elective (Elective)		4
Upper-division Science elective (Elective)		3
8th Semester		
EDC 651S	Topics in Secondary School Teaching Practicum (Elective)	6
UTS 170	Student Teaching Seminar (Elective)	1
Total Hours		126

Teaching, Middle Grades

Requirements		Hours
1st Semester		
GEO 401 or GEO 303	Physical Geology (Major) Introduction to Geology	4
M 408C	Differential and Integral Calculus (General Education) ⁰²⁰	4
CH 301	Principles of Chemistry I (Elective) ⁰³⁰	3
UTS 101	Secondary Teacher Education Preparation: Step 1 (Major)	1
UGS 302 or UGS 303	First-Year Signature Course (Core) ⁰⁹⁰ First-Year Signature Course	3
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
2nd Semester		
GEO 405	Life through Time (Major)	4
BIO 311C	Introductory Biology I (Elective) ⁰⁹³	3
CH 302	Principles of Chemistry II (Elective) ⁰³⁰	3
UTS 110	Secondary Teacher Education Preparation: STEP 2 (Major)	1
Humanities (Core) ⁰⁴⁰		3
American and Texas Government (Core) ⁰⁷⁰		3
3rd Semester		
GEO 416K	Earth Materials (Major)	4
GEO 416M	Sedimentary Rocks (Major)	4

BIO 311D	Introductory Biology II (Elective)	3
EDP 350G	Adolescent Development (Elective)	3
U.S. History (Core) ⁰⁶⁰		3
4th Semester		
GEO 420K	Introduction to Field and Stratigraphic Methods (Major)	4
EDC 365C	Knowing and Learning in Math and Science (Major)	3
or UTS 350	Knowing and Learning in Math and Science	
HIS 329U	Perspectives on Science and Mathematics (General Education)	3
or PHL 329U	Perspectives on Science and Mathematics	
Upper-division GEO course (Major)		4
U.S. History (Core) ⁰⁶⁰		3
5th Semester		
EDC 365D	Classroom Interactions (Major)	3
or UTS 355	Classroom Interactions	
PHY 303L	Engineering Physics II (General Education)	3
PHY 103N	Laboratory for Physics 303L (General Education)	1
BIO 377 (Topic 2), CH 368 (Topic 1), or PHY 341 (Topic 7) (Major)		3
Upper-division GEO course (Major)		4
Social and Behavioral Sciences (Core) ⁰⁸⁰		3
6th Semester		
EDC 365E	Project-Based Instruction (Elective)	3
or UTS 360	Project-Based Instruction	
EDC 339E	Secondary School Literacy across the Disciplines (Elective)	3
PHY 303K	Engineering Physics I (General Education)	3
PHY 103M	Laboratory for Physics 303K (General Education)	1
Upper-division GEO course (Major)		4
American and Texas Government (Core) ⁰⁷⁰		3
7th Semester		
MNS 307	Introduction to Oceanography (Elective)	3
AST 303	Introduction to Astronomy with Celestial Observations (Elective)	3
or AST 307	Introductory Astronomy	
or AST 367M	Physical Science: Methods of Astronomy	
Upper-division Science elective (Elective)		4
Upper-division Science elective (Elective)		3
Visual and Performing Arts (Core) ⁰⁵⁰		3
8th Semester		
EDC 651S	Topics in Secondary School Teaching Practicum (Elective)	6
UTS 170	Student Teaching Seminar (Major)	1
Total Hours		126

Course categories: Core, General Education[†], Major, Elective, Opportunity

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

Undergraduate Degree Program listing

† Effective April 2025, UT Austin no longer requires Skills and Experience flags.

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

Currently enrolled students should meet with their academic advisor.