

GEOLOGY: SECONDARY TEACHER CERTIFICATION, BS

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
A&S 1111	A&S First Year Seminar	1
MATH 2144	Calculus I (A)	4
GEOL 1114	Physical Geology (LN)	4
BIOL 1114	Introductory Biology (LN)	4
SMED 1012	Inquiry Approaches to Teaching	2
Hours		15
Spring		
CHEM 1314	Chemistry I (LN)	4
GEOL 1224	Evolution of the Earth (LN)	4
3 hours STAT designated (A)		3
General Education courses		4
Hours		15
Sophomore		
Fall		
CHEM 1515	Chemistry II (LN)	5
GEOL 2464	Rocks and Minerals	4
GEOG 3023 or GEOG 3033	Climatology (N) or Meteorology (N)	3
General Education and College courses		3
Hours		15
Spring		
GEOL 3503	Environmental Geology (N)	3
GEOL 4300	Geology Colloquium	1
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
Major, College, and Elective courses		7
Hours		15
Junior		
Fall		
GEOL 3014	Structural Geology	4
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
SMED 4013	Classroom Interactions	3
SPED 3202	Educating Exceptional Learners (D)	2
Major, College, and Elective courses		2
Hours		15
Spring		
GEOL 3034	Principles of Stratigraphy and Sedimentology	4
SMED 4611	Authentic Research in the Science Classroom	1
SMED 4613	Teaching the Nature of Science Through an Inquiry Approach	3
Major, College, and Elective courses		7
Hours		15

Summer		
GEOL 3546	Field Geology	6
Hours		6
Senior		
Fall		
SMED 4023	Problem-Based Learning in Mathematics and Science	3
SMED 4713	Teaching and Learning Science in the Secondary School	3
Major, College, and Elective courses		9
Hours		15
Spring		
CIED 4720	Internship in the Secondary Classroom	6
SMED 4723	Senior Seminar in Secondary Mathematics and Science Education	3
Hours		9
Total Hours		120