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		
GEOL 1214 or GEOL 1114	Introductory Geological Processes (LN) or Physical Geology (LN)	4
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)	4
MATH 2144	Calculus I (A)	4
SMED 1012	Inquiry Approaches to Teaching	2
	Hours	**14**
Spring		
ASTR 1023	Stars, Galaxies, Universe (N)	3
CHEM 1314	Chemistry I (LN)	4
GEOL 1224	Evolution of the Earth (LN)	4
General Education courses		4
	Hours	**15**
Sophomore		
Fall		
GEOL 2464	Rocks and Minerals	4
GEOL 2773	Introduction to Planetary Geology (N) (every other year)	3
CHEM 1515	Chemistry II (LN)	5
Major, College, and General Education courses		3
	Hours	**15**
Spring		
GEOG 3023	Climatology (N)	3
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
SMED 3013	Knowing and Learning in Mathematics and Science	3
Major, College, and Elective courses		6
	Hours	**16**
Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
GEOL 2773	Introduction to Planetary Geology (N) (if needed)	
GEOL 4503	Introduction to Oceanography (N)	3
PHIL 3933	Creation and Evolution (August Pre-Session only)	3
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
SPED 3202	Educating Exceptional Learners (D)	2
Major, College, and Elective courses		3
	Hours	**18**
Spring		
CIED 4133	Introduction to K-12 English Language Learners	3
GEOL 3034	Principles of Stratigraphy and Sedimentology	4
GEOL 3503	Environmental Geology (N)	3
SMED 4611	Authentic Research in the Science Classroom	1
SMED 4613	Teaching the Nature of Science Through an Inquiry Approach	3
Electives		3
	Hours	**17**
Senior		
Fall		
GEOL 3014	Structural Geology	4
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		6
	Hours	**16**
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**