

# EARTH SCIENCE (B.S.)

Degree: Bachelor of Science

Major: Earth Science

Total Hours: 120

Advisors: Joseph Kruger

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<i>Communication</i>		
ENGL 1301	Composition I	3
COMM 1315	Public Speaking I	3
<i>Mathematics</i>		
MATH 1314	College Algebra(Non-Calculus)	3
<i>Life and Physical Sciences</i>		
GEOL 1403	Geology I: Physical Geology	4
GEOL 1404	Geology II: Historical Geology	4
<i>Language, Philosophy and Culture</i>		
Select one of the following:		3
DSDE 1374	Introduction to Deaf Studies	
ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
FREN 2312	Intermediate French II	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
SPAN 2312	Intermediate Spanish II	
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Sciences</i>		
Select one of the following:		3

ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
POLS 1301	Intro to Political Science	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
<i>Component Area Option</i>		
ENGL 1302	Composition II	3
PSYC 2317	Introduction to Statistical Methods	3
	or MATH 1342 Statistics	
<b>Required Major Courses</b>		
<i>Geology Courses</i>		
GEOL 2471	Mineralogy Petrology	4
GEOL 2377	Physical Geography and Geomorphology	3
GEOL 3101	Physical Geology Lab Instruction	1
GEOL 3390	Environmental Geography and Geology	3
GEOL 4101	Special Topic Earth Science (Physical Geology Lab Assis)	1
GEOL 4101	Special Topic Earth Science (Oceanography Lab)	1
GEOL 4101	Special Topic Earth Science (Geomorphology Lab)	1
GEOL 4360	Field Geology of Texas	3
GEOL 4370	Meteorology	3
GEOL 4380	Oceanography	3
GEOL 4390	Rocks and Stars	3
GEOL Upper Division (3000-4000) Electives		4
<i>Supporting Courses</i>		
BIOL 1406	General Biology I (Majors)	4
BIOL 1407	General Biology II (Majors)	4
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II Laboratory	1
PHYS 1305	Elementary Physics I Lecture	3
PHYS 1307	Elementary Physics II Lecture	3
PHYS 1311	Introduction to Astronomy Lecture	3
<b>Electives</b>		
<i>Elective Courses</i>		
3000-4000 level elective courses		21
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> May include 15 hours of geospatial courses to earn an Undergraduate GIS certificate.

## Recommended Program of Study

The following is a recommended program of study for completion of the degree plan in the minimum semester hours with the specified option. Additional requirements may be required for specialized areas, i.e. certain minor requirements, preparation for graduate school, certifications, or licensures. Please see a program advisor or the department chair for details.

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
GEOL 1403	Geology I: Physical Geology	4
ENGL 1301	Composition I	3
MATH 1314	College Algebra(Non-Calculus)	3
PHYS 1305	Elementary Physics I Lecture	3
<b>Hours</b>		<b>13</b>
<b>Spring</b>		
GEOL 1404	Geology II: Historical Geology	4
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I Laboratory	1
ENGL 1302	Composition II	3
PHYS 1307	Elementary Physics II Lecture	3
<b>Hours</b>		<b>14</b>
<b>Second Year</b>		
<b>Fall</b>		
GEOL 2471	Mineralogy Petrology	4
GEOL 2377	Physical Geography and Geomorphology	3
GEOL 4101	Special Topic Earth Science (Geomorphology Lab)	1
Advanced Elective		4
COMM 1315	Public Speaking I	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II Laboratory	1
GEOL 3390	Environmental Geography and Geology	3
PHYS 1311	Introduction to Astronomy Lecture	3
Language, Philosophy & Culture		3
PSYC 2317 or MATH 1342	Introduction to Statistical Methods or Statistics	3
<b>Hours</b>		<b>16</b>
<b>Third Year</b>		
<b>Fall</b>		
HIST 1301	U S History I 1763-1877	3
BIOL 1406	General Biology I (Majors)	4
POLS 2301	Intro to American Government I	3
GEOL 4380	Oceanography	3
GEOL 4101	Special Topic Earth Science (Oceanography Lab)	1
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
GEOL 4370	Meteorology	3
HIST 1302	U S History II Since 1877	3
Creative Arts		3
POLS 2302	Intro/American Government II	3
BIOL 1407	General Biology II (Majors)	4
<b>Hours</b>		<b>16</b>
<b>Summer</b>		
GEOL 4360	Field Geology of Texas	3
<b>Hours</b>		<b>3</b>
<b>Fourth Year</b>		
<b>Fall</b>		
Social/ Behavioral Sciences		3

GEOL 3101	Physical Geology Lab Instruction	1
Advanced Elective		11
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
GEOL 4390	Rocks and Stars	3
GEOL 4101	Special Topic Earth Science (Lab Instruction)	1
Advanced Elective		10
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>120</b>