

# Geology, B.S. - Geophysics with Minor in Mathematics

Course	Title	Semester Credit Hours
<b>Freshman Year</b>		
<b>Semester 1</b>		
ENGL 1301	Rhetoric and Composition	3
GEOL 1303 & GEOL 1103	Physical Geology and Physical Geology Laboratory	4
HIST 1301	American History to 1877	3
UNIV 1201	Learning in Global Context	2
Creative arts		3
<b>Semester Credit Hours</b>		<b>15</b>
<b>Semester 2</b>		
ENGL 1302	Rhetoric and Composition	3
GEOL 1304 & GEOL 1104	Historical Geology and Historical Geology Lab	4
HIST 1302	American History since 1877	3
MATH 2413	Calculus I	4
<b>Semester Credit Hours</b>		<b>14</b>
<b>Sophomore Year</b>		
<b>Semester 1</b>		
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
POLS 2301	Government and Politics of US	3
<b>Semester Credit Hours</b>		<b>15</b>
<b>Semester 2</b>		
CHEM 1312 & CHEM 1112	Gen Inorganic Chemistry II and Gen Inorganic Chem Lab II	4
GEOG 2472	Intro to Geographic Info Sys	4
MATH 3320	Differential Equations	3
PHYS 2326 & PHYS 2126	University Physics II and University Physics II Lab	4
<b>Semester Credit Hours</b>		<b>15</b>
<b>Junior Year</b>		
<b>Semester 1</b>		
GEOL 3370 & GEOL 3170	Introduction to Geophysics and Intro to Geophysics Laboratory	4
GEOL 3409	Mineralogy	4
GEOL 3431	Stratigraphy and Sedimentology	4
MATH, adv.		4
<b>Semester Credit Hours</b>		<b>16</b>
<b>Semester 2</b>		
GEOL 3411	Petrology	4
GEOL 3446	Comp Methods in Geosciences	4
GEOL 3481	Structural Geology	4

GEOL 4311	Field Course I (WI) <sup>1</sup>	3
<b>Semester Credit Hours</b>		<b>15</b>
<b>Senior Year</b>		
<b>Semester 1</b>		
GEOL 4312	Field Course II (WI) <sup>1</sup>	3
GEOL 4375 & GEOL 4175	Seismology (WI) and Seismology Laboratory	4
MATH, adv.		3
Communications		3
Lang/Phil/Culture		3
<b>Semester Credit Hours</b>		<b>16</b>
<b>Semester 2</b>		
GEOL 4307 & GEOL 4107	Applied Geology and Applied Geology Lab	4
GEOL 4441	Non-Seismic Geophys. Explor.	4
POLS 2302	Government and Politics of TX	3
Social/Behavioral		3
<b>Semester Credit Hours</b>		<b>14</b>
<b>Total Credit Hours Required:</b>		<b>120</b>

<sup>1</sup> Offered in Intersession and Summer I.