

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

| Course | Title | Semester Credit Hours |
|------------------------------|---|-----------------------|
| Freshman Year | | |
| Semester 1 | | |
| 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 |
| Semester Credit Hours | | 15 |
| Semester 2 | | |
| 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 |
| Semester Credit Hours | | 14 |
| Sophomore Year | | |
| Semester 1 | | |
| 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 |
| Semester Credit Hours | | 15 |
| Semester 2 | | |
| 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 |
| Semester Credit Hours | | 15 |
| Junior Year | | |
| Semester 1 | | |
| 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 |
| Semester Credit Hours | | 16 |
| Semester 2 | | |
| GEOL 3411 | Petrology | 4 |
| GEOL 3446 | Comp Methods in Geosciences | 4 |
| GEOL 3481 | Structural Geology | 4 |

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| GEOL 4311 | Field Course I (WI) ¹ | 3 |
| Semester Credit Hours | | 15 |
| Senior Year | | |
| Semester 1 | | |
| GEOL 4312 | Field Course II (WI) ¹ | 3 |
| GEOL 4375 & GEOL 4175 | Seismology (WI) and Seismology Laboratory | 4 |
| MATH, adv. | | 3 |
| Communications | | 3 |
| Lang/Phil/Culture | | 3 |
| Semester Credit Hours | | 16 |
| Semester 2 | | |
| 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 |
| Semester Credit Hours | | 14 |
| Total Credit Hours Required: | | 120 |

¹ Offered in Intersession and Summer I.