GEOL 119 Fundamentals of Chemistry I 4
ENGL 104 Composition and Rhetoric 3
GEOL 150 Introduction to the Solid Earth 4
GEOL 180 Introduction to Geology and Geophysics 1
MATH 151 Engineering Mathematics I 4
Semester Credit Hours 16

Spring
CHEM 120 Fundamentals of Chemistry II 4
GEOL 152 History of the Earth 4
MATH 152 Engineering Mathematics II 4
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication) 3
Semester Credit Hours 15

Second Year
Fall
GEOL 203 Mineralogy 4
GEOL 210 Geological Communication 3
MATH 251 Engineering Mathematics III 3
PHYS 206 Newtonian Mechanics for Engineering and Science 3
PHYS 226 Physics of Motion Laboratory for the Sciences 1
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) 3
Semester Credit Hours 17

Spring
GEOL 250 Geological Field Methods 4
GEOL 304 Igneous and Metamorphic Petrology 4
MATH 308 Differential Equations 3
PHYS 207 Electricity and Magnetism for Engineering and Science 3
PHYS 227 Electricity and Magnetism Laboratory for the Sciences (Technical Electives) 2 1
Technical electives 2 1
Semester Credit Hours 16

Summer
Technical electives 2 3
Semester Credit Hours 3

Total Semester Credit Hours 150

1. The Graduation requirements include a requirement for three hours of International and Cultural Diversity courses and three hours of Cultural Discourse courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. See academic advisor.
Any science, math or engineering course that augments the degree with the approval of the advisor. At least four credits should be GEOL 491 Research.

The MS degree Non-Thesis Option is 36 total hours, with 6 hours double-counting with the undergraduate Technical Electives. The MS with Thesis Option is 32 hours, with 2 hours double-counting with Technical Electives. Graduate courses may be in Geology, Geophysics or a supporting math or science area, chosen with approval of the student's advisory committee. Students in the Thesis Option may include up to 8 hours of Research courses.

The program includes a total of 152 or 156 hours which up to 2 or 6 hours may be applied toward both the Bachelor of Science in Geology and the Master of Science in Geology.