GEOL 107 Physical Geology 1 4
GEOL 208 History of the Earth System 4
CHEM 102 General Chemistry I 3
CHEM 103 General Chemistry Lab I 1
Select one of the following MATH courses: 2 4-5
   MATH 220 Calculus
or MATH 221 Calculus I
   MATH 234 Calculus for Business I
Additional requirements beyond the core requirements:
CHEM 104 General Chemistry II 3
CHEM 105 General Chemistry Lab II 1
PHYS 101 College Physics: Mech & Heat 4-5
   or PHYS 211 University Physics: Mechanics
GEOL 411 Structural Geol and Tectonics 4
GEOL 417 Geol Field Methods, Western US 3 6
GEOL 432 Mineralogy and Mineral Optics 4
GEOL 436 Petrology and Petrography 4
GEOL 440 Sedimentology and Stratigraphy 4
Three to four hours of advanced Geology or cognate science elective 3-4

1 Students who decide to follow the curriculum after first taking GEOL 100 or GEOL 103 should enroll in GEOL 208. GEOL 100 or GEOL 103 will be accepted as a substitute for GEOL 107, but students should be aware that these courses are not intended for science majors.

2 An introductory Statistics course, e.g., STAT 100, SOC 280, ECON 202, or a second semester of Calculus is recommended.

3 GEOL 417 is a summer field course taught off campus.