

Geology: Engineering Dual-Degree*

Degree Audit

*Requires a major in Petroleum Engineering

2023-2024

Requirements	Hours	Hours Complete and Grade	Hours in Progress	Hours Needed
GEOL 111: Physical Geology	4			
GEOL 112: Historical Geology	4			
GEOL 302: Structural Geology	3			
GEOL 303: Mineralogy	4			
GEOL 313: Sedimentation & Stratigraphy	3			
CHEM 131: General Chemistry I	3			
CHEM 133: General Chemistry I Lab	3			
CSCI 210: Scientific Computing	3			
MATH 125: Calculus I	4			
WRIT 307: Technical Writing	3			

Geology Electives: Choose 6 hours from the following

GEOL 304: GIS/GPS Mapping	3			
GEOL 326: Petroleum Geology	3			
GEOL 335: Environmental Hydrogeology	3			
GEOL 336: Environmental Engineering Geology	3			
PETR 343: Formation Evaluation	3			

General Electives: Choose 8 hours from the following

BIOL 101: Modern Biology	3			
BIOL 105: Intro Biology Lab I	1			
BIOL 102: Environmental Biology	3			
BIOL 106: Intro Biology Lab II	1			
CHEM 132: General Chemistry II	1			
CHEM 134: General Chemistry II Lab	1			
PHYS 221: General Physics I	4			
PHYS 222: General Physics II	4			

Junior Core:

GEOL 301: Igneous & Metamorphic Petrology	4			
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Capstone: Petroleum-related capstone

GEOL 411: Directed Research	2			
GEOL 412: Directed Research Writing	2			

Student Signature and Date	Advisor Signature and Date

*This major may also be completed by students earning a major in Environmental Engineering; however, these students will receive a single degree (Bachelor of Science) with a double-major, rather than 2 degrees.

Each major must include at least 18 hours of 300-400 level credit that are not applied toward any additional majors.