

Geology Major w/ Concentration in Environmental & Engineering Geology

Degree Audit

Requires a minor in Environmental Engineering or Environmental Science*

2021-2022

Requirements	Hours	Hours Complete and Grade	Hours in Progress	Hours Needed
GEOL 111: Physical Geology	4			
GEOL 112: Historical Geology	4			
GEOL 202: Mineralogy and Optical Mineralogy	3			
GEOL 301: Igneous and Metamorphic Petrology	4			
GEOL 302: Structural Geology	3			
GEOL 304: GIS Mapping & Analysis	3			
CHEM 131: General Chemistry I	3			
CHEM 132: General Chemistry II	3			
CHEM 133: General Chemistry I Laboratory	1			
CHEM 134: General Chemistry II Laboratory	1			
CSCI 210: Scientific Computing	3			
MATH 223: Statistics for Natural & Social Sciences	3			
PETR 216: Petrophysics	3			
WRIT 307: Technical Writing	3			

Environmental & Engineering Geology Core:

GEOL 313: Sedimentation and Stratigraphy	3			
GEOL 335: Environmental Hydrogeology	3			
GEOL 336: Environmental Engineering Geology	3			
PHYS 221: General Physics I	4			
PHYS 222: General Physics II	4			

Junior Core: Choose from:

GEOL 330: Geology Field Methods	1			
GEOL 410: Geology Field Camp	4-6	OR		
GEOL 306: Demonstration Field Trip	1-2	AND		
GEOL 306: Demonstration Field Trip	1-2			

Capstone: Environmental & Engineering-related capstone

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

Student Signature and Date	Advisor Signature and Date

NOTES:

- EGRG 311 is recommended but not required.
- This major/minor combination is exempt from the 12-hour rule.

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

Last Updated: 08/10/21