# ENVIRONMENTAL GEOLOGY CONCENTRATION WITHIN THE SPECIALIZED CURRICULUM

**Chemistry - Select one group of courses:**

- CHEM 102 General Chemistry I
- CHEM 103 General Chemistry Lab I
- CHEM 104 General Chemistry II
- CHEM 105 General Chemistry Lab II

**or**

- CHEM 202 Accelerated Chemistry I
- CHEM 203 Accelerated Chemistry Lab I
- CHEM 204 Accelerated Chemistry II
- CHEM 205 Accelerated Chemistry Lab II

**24 hours of Geology Courses**

- GEOL 107 Physical Geology $^1$ 4
- GEOL 208 History of the Earth System $^1$ 4
- GEOL 380 Environmental Geology 4
- GEOL 401 Geomorphology 4
- GEOL 451 Env and Exploration Geophysics 4
  
**Mathematics**

- MATH 220 Calculus
- MATH 221 Calculus I
- MATH 231 Calculus II
- MATH 241 Calculus III

**Physics**

- PHYS 211 University Physics: Mechanics
- & PHYS 212 and University Physics: Elec & Mag

**Statistics - Select one of the following:**

- CPSC 440 Applied Statistical Methods I 4
- STAT 400 Statistics and Probability I

**Additional Technical Requirements**

Select from the following courses. At least 9 hours must be geology courses and at least 9 hours must be non-geology courses.

- CEE 330 Environmental Engineering
- CHEM 232 Elementary Organic Chemistry I
- CS 101 Intro Computing: Engrg & Sci
- CS 125 Intro to Computer Science
- ENVS 431 Environ Toxicology & Health
- GEOG 477 Introduction to Remote Sensing
- GEOL 411 Structural Geol and Tectonics
- GEOL 417 Geol Field Methods, Western US $^2$
- GEOL 432 Mineralogy and Mineral Optics
- GEOL 436 Petrology and Petrography
- GEOL 440 Sedimentology and Stratigraphy

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$^1$ 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.

$^2$ GEOL 417 is a 6-hour summer field course taught off campus.