**Environmental Geology Major**

**Required Courses:**
- __Geol 151 (4) Introduction to Geology or  ____ Geog 120 (4) Earth Systems__
  Or ____ Geol 153 (4) Big Sky Geology: Montana Field Experience (May Interim)
- __Geol 152 (4) Historical Geology (req: 151 or 120)__
- __Geol 215 (4) Mineralogy (req: 151 and Chem 103)__
- __Geog 252 (4) GIS and Cartography__
- __Geol 154 (4) Big Sky Geology: Montana Field Experience (May Interim)__
- __Geol 152 (4) Historical Geology (req: 151 or 120)__
- __Geol 304 (3) Geochemistry (req: 215 or 151 plus Chem 104 or permission)__
- __Geol 304 (3) Geochemistry (req: 215 or 151 plus Chem 104 or permission)__
- __Geol 312 (4) Environmental Geology (req: 311)__
- __Geol 317 (4) Sedimentation and Stratigraphy (req: 215 or concurrent)__
- __Geol 387 (1) Geology as a Vocation (req: junior or senior geology major)__
- __Geol 351 (3) Geologic Field Mapping (includes 2 weeks in Montana in May)__
- __EnSt 210 (3) Human Impacts on the Environment (req: not open to first year students)__
- __EnSt 302 (3) Environment and Society: Issues and Policies (req: Env. St. 210 or permission; not open to first-year students)__
- __EnSt 385 (3) Internship in Environmental Studies (req: EnSt 210, 302 or permission)__
- OR ____ Geol 351 (3) Geologic Field Mapping (includes 2 weeks in Montana in May)__
- __EnSt 395 (3) History and Philosophy of Environmental Thought (req: EnSt 210 and 302 or permission)__

**Two electives from:**
- __Geog 181 (5) First-Year Research in Earth Sciences: Dunes (first year students only)__
- __Geol 212 (4) Structural Geology (req: 152 or concurrent)__
- __Geol 212 (4) Structural Geology (req: 152 or concurrent)__
- __Geol 251 (4) Oceanography (req: highschool chemistry/sophomore standing)__
- __Geol 316 (4) Igneous and Metamorphic Petrology (req: 215)__
- __Geog 322 (4) Coastal Geomorphology (req: 311)__
- __Geog 361 (4) Advanced Geographic Information Systems (req: completion of Geog 261 with a grade of C or better)__
- __Geog 362 (4) Remote Sensing of Earth (req: Geog 261)__
- __Engr 306 (4) Principles of Environmental Engineering (req: Engr 209 or permission)__
- __Phys 133 (4) Introductory Physics (req: Math 172 or concurrent, Math 171 and permission)__

**Required Cognates:**
- __Chem 103 (4) General Chemistry I__
- __Chem 104 (4) General Chemistry II (req: Chem 103 or equivalent) OR Engr 106 (4) Engineering Chemistry (req: Chem 103, Engr 101, Math 170 or 171)__
- __Math/Stat 143 (4) Introduction to Probability and Statistics OR Math 171 (4) (req: 4 yrs college prep math, excluding stats courses OR Math 110, and results of calculus readiness test administered during orientation)__
- __Math 132 (4) Calculus for Management, Life, & Social Sciences (req: Math 143 or permission) OR Math 172 (4) Techniques of Integration, Infinite Series & Multivariate Calculus (req: Completion of Math 170 or 171 with C- or better)__

Last updated: 22 October 2015