

Geology Major

NEXT

OFFERED Required Courses:

- FA/SP ____ Geol 151 (4) Introduction to Geology or ____ Geol 120 (4) Earth Systems
- SP ____ Geol 152 (4) Historical Geology (req: 151 or 120)
- SP12,14 ____ Geol 212 (4) Structural Geology (req: 152 or concurrent)
- FA12,14 ____ Geol 215 (4) Mineralogy and Optical Mineralogy (req: 151 and Chem 103)
- FA ____ Geol 252 (4) Geomorphology (req: 120 or 151) **formerly Geol 311**
- SP13,15 ____ Geol 316 (4) Igneous and Metamorphic Petrology (req: 215)
- FA12,14 ____ Geol 317 (4) Sedimentation and Stratigraphy (req: 215 or concurrent)
- FA13,15 ____ Geol 387 (1) Geology as a Vocation (req: junior or senior status in a major concentration in geology or permission of instructor)
- SP ____ physical science capstone (3) (typically IDIS 310 or ENST 395)

Two electives from:

- FA15 ____ Geol 230 (4) Discovery of Prehistory
- FA13,15 ____ Geol 251 (4) Oceanography (req: highschool chemistry/sophomore standing)
NOTE: Stearley on sabbatical Fall 13, replacement uncertain
- FA13,15 ____ Geol 304 (3) Geochemistry (req: 215 or 151 plus Chem 104 or permission)
- SP12,14 ____ Geol 312 (4) Environmental Geology (req: 252)
- SP13,15* ____ Geol 313 (4) Paleontology (req: 152, 230 or an approved biology course)
- SP13,15 ____ Geol 322 (4) Coastal Geomorphology (req: 252)
- SP12,14* ____ Geol 351 (3) Geologic Field Mapping (includes 2 weeks in Montana in May)
- FA/I/SP ____ Geol 390 (2-4) Independent Study (req: permission of instructor)
- FA/I/SP* ____ Geol 395-396 (2-4) Research in Geology (req: permission of geology faculty)
- FA/SP* ____ Geog 261 (4) GIS & Cartography
- SP13,15 ____ Geog 361 (4) Advanced Geographic Information Systems (req: Completion of Geog 261 with a grade of C or better)
- ____ An approved interim course _____

Required Cognates:

- FA ____ Chem 103 (4) General Chemistry I
- FA/SP ____ Math 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)

*recommended for career or graduate study in geology, along with the following electives:

- ____ Chem 104 or Engr 106 ____ Phys 133 ____ Phys 134
- ____ Math 172 or 132 ____ Engl 201