At least 120 hours are required for graduation, and students must earn a 2.0 overall GPA, a 2.0 WSU GPA, and a 2.0 GPA in the major. Students must also complete all courses required for Liberal Arts and Sciences General Education.

**REQUIREMENTS FOR A MAJOR:** 76 hours

**Required core courses - 34 hours**

- 111 General Geology (4)
- 312 Historical Geology (4)
- 320 Mineralogy and Optical Mineralogy (4)
- 324 Petrology and Petrography (3)
- 522 Sedimentary and Stratigraphy (4)
- 540 Field Map Methods (3)
- 544 Structural Geology (3)
- 570 Biogeology (3)

**Required capstone course:**

- 640 Field Geology (6)

**Additional courses:** select an additional 9 credit hours of upper division geology electives courses chosen to match the student’s interests and in consultation with the Geology department advisor. An additional elective capstone course is:

- 650 Geohydrology (3)

**REQUIRED SUPPORTING SCIENCES:** 33-35 hours  *(It is recommended that these courses be taken prior to, or at least concurrently with, the required core courses in geology listed above.)*

- MATH 242 Calculus I (5)
- MATH 243 Calculus II (5)
- STAT 370 Elementary Statistics (3)
- CHEM 211 General Chemistry I (5)
- CHEM 212 General Chemistry II (5)

Select one of the following combinations:

- PHYS 213-214 General College Physics I & II (5 - 5)
- PHYS 313-314 Physics for Scientists I & II (4 - 4)

*must* include respective laboratories PHYS 315 (1) and PHYS 316 (1)

**NOTE:** Students interested in pursuing graduate degrees in environmental science should also consider taking BIOL 210 and 418. PC 105 is recommended for students with little experience with computers.

**Applied Learning:** Students in the BS in geology program are required to complete an applied learning or research experience to graduate from this program. The requirement can be met by taking GEOL 640. Successful completion of this course will serve as fulfillment of the university’s applied learning/research experience requirement.

**REQUIREMENTS FOR A MINOR:** 15 hours, including:

- 102 Earth Science and the Environment, with lab (4)
- 111 General Geology (4)

*select at least 11 additional credit hours* in Geology

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