Major in: Earth Science

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Choose One Sequence:

- BI 101, 102, 103 General Biology
- BI 211, 212, 213 Principles of Biology
- PH 201, 202, 203 General Physics
- PH 211, 212, 213 General Physics w/Calc.

Choose a Math option: 8-10

A) MTH 112 Elementary Functions (4)
   MTH 243 Intro to Probability & Statistics (4)
B) MTH 243 Intro to Probability & Statistics (4)
   MTH 251 Calculus I (5)
C) MTH 251 Calculus I (5)
   MTH 252 Calculus II (5)

- ES 301 Petrographic Microscopy (2)
- ES 302 Quantitative Methods (2)
- ES 321 Structural Geology (4)
- ES 322 Geomorphology & Aerial Photo Interp. (4)
- ES 407 Senior Seminar (1)
- ES 450 Introduction to Petrology (4)
- ES 453 Geology of the Pacific Northwest (4)
- ES 473 Environmental Geology (4)
- ES 493 Sedimentary Geology (4)

Earth System Science: (choose one)

- ES 331 Intro to Oceanography (3)
- ES 390 Basic Meteorology (3)
- GS 351 Elements of Astronomy (3)

Sedimentology/Paleobiology: (choose one) 3-4

- ES 304 Survey of the Fossil Record (3)
- ES 431 Paleobiology (4)
- ES 491 Stratigraphy & Depositional Sys (4)

Volcanology/Petrology: (choose one) 3-4

- ES 354 Volcanoes and Earthquakes (3)
- ES 454 Volcanology (4)
- ES 460 Energy and Mineral Resources (3)

Env. Geology/Surface Processes: (choose one) 3-4

- ES 341 Fundamentals of Geographic Information System (4)
- ES 476 Hydrology (3)
- ES 492 Advanced GIS Applications in Earth Science (4)

Program notes & Additional Degree Requirements

Earth Science LACC Requirements:

- CH 104 Intro to Chemistry (4)
- CH 221, 222 General Chemistry (8)

The BS and BA require completion of 2-4 credit hours of Computer Science coursework, depending on the chosen Math option.

4 hours of writing intensive course work should come from:

WR 322 Technical Writing

Minimum degree requirements of at least:

- 180 or more total credit hours
- 62 Upper Division credit hours
- 45 of last 60 credits earned at WOU campus

BA Degree Requirements

- CS 101 or higher
- Math 105 or higher
- Writing Intensive:
- Foreign Language (C- or better):

BS Degree Requirements

- CS 121 or higher
- Math 111 or higher
- CS/Math/Stats:
- Diversity:
- Writing Intensive: