**Minor in:** Earth System Science

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<th>Minor 25-28 hours, 12 UD</th>
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<td>ES 104 Earth System Science</td>
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**Choose one:**

- ES 105 Earth System Science
- ES 106 Earth System Science

**Choose two:**

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

**Choose one:**

- ES 341 Fundamentals of Geographic Information System
- ES 473 Environmental Geology
- ES 476 Hydrology
- ES 492 GIS Applications in Earth Sci

**Choose one:**

- ES 354 Volcanoes and Earthquakes
- ES 454 Volcanology
- ES 460 Energy and Mineral Resources

**Choose one:**

- ES 304 Survey of the Fossil Record
- ES 431 Paleobiology
- ES 453 Geology of the Pacific Northwest
- ES 491 Stratigraphy & Depositional Systems

**Mindest 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:**

**BS Degree Requirements**

- CS121 or higher
- Math 111 or higher
- CS/Math/Stats:

**Diversity:**

**Writing Intensive:**