### Earth System Science Minor

**Advisor Signature:**

<table>
<thead>
<tr>
<th>Student Name:</th>
<th>Student ID:</th>
<th>Student Signature:</th>
<th>Date:</th>
</tr>
</thead>
</table>

#### Minor 25-28 hours, 15 UD

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Has</th>
<th>Lacks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 104 Earth System Science</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES 105 or ES 106 Earth System Science</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**Sedimentology/Paleobiology Choose one:**

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

**Program notes & Additional Degree Requirements**

**Advisor Signature:**

**Date:**

---

**Foreign Language:**

- 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**

- CS 121 or higher
- Math 111 or higher
- CS/Math/Stats

**Diversity**

**Writing Intensive**