Major Offered Through:  
**CORVALLIS**

Blue Mountain Community College

**B.S. in Earth Sciences, Geology option**

Geological sciences focus on understanding the Earth, from its composition and internal structure to its history and the processes that shape its surface. Our planet is the geologist’s laboratory. Geologists study the process of rock formation, climate evolution, mountain building, land surface evolution, and mineral resource creation over the Earth’s 4.6 billion-year history. A geologist contributes to society through the exploration of earth resources, through detection and mitigation of earthquake, volcanic, landslide and flood hazards, and through environmental remediation of human impacts. Geologists also provide information on ground stability for construction of buildings, dams, and coastal jetties. Experiential learning lies at the core of a geologist’s education, and practical field experiences are integrated into the curriculum.

### Your Bachelor’s Degree (BS) in the College of Earth, Ocean, and Atmospheric Sciences

- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor’s degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- Some courses can count towards your major and the Baccalaureate Core. Check with your advisor.
- See the OSU Catalog for a list of courses required for your major and option: [catalog.oregonstate.edu](http://catalog.oregonstate.edu)

*Priority courses to complete before transferring are distinguished by* $^p$

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Blue Mt. Equivalent</th>
<th>OSU Courses</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>Mathematics $^p$</td>
<td>MTH 112</td>
<td>MTH 112</td>
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<tr>
<td></td>
<td>MTH 251</td>
<td>MTH 251</td>
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<td>MTH 252</td>
<td>MTH 252</td>
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<tr>
<td>Chemistry $^p$</td>
<td>CH 221</td>
<td>CH 231/261</td>
<td>2xx level preferred</td>
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<tr>
<td></td>
<td>CH 222</td>
<td>CH 232/262</td>
<td></td>
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<tr>
<td>Physics</td>
<td>PHY 211 or PHY 201</td>
<td>PH 211/221</td>
<td>Calculus-based series is preferred (PH21x/22x)</td>
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<td></td>
<td>PHY 212 or PHY 202</td>
<td>PH 212/222</td>
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<td></td>
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<td>PH 201</td>
<td></td>
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<tr>
<td>Additional Chemistry or Physics</td>
<td>CH 223 or PHY 203</td>
<td>CH 233/263</td>
<td>A third term of CH OR PH required. Consider both if</td>
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<tr>
<td></td>
<td>or PHY 213</td>
<td>- or PH 203</td>
<td>planning on graduate school.</td>
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<tr>
<td>Statistics</td>
<td>None</td>
<td>ST 351</td>
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<tr>
<td>Physical Geology $^p$</td>
<td>G 201</td>
<td>GEO 201</td>
<td></td>
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<tr>
<td>Earth Systems $^p$</td>
<td>G 202</td>
<td>GEO 202</td>
<td></td>
</tr>
<tr>
<td>Life and Planet Earth $^p$</td>
<td>G 203</td>
<td>GEO 203</td>
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<tr>
<td>Oceanography</td>
<td>None</td>
<td>OC 201</td>
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<tr>
<td>Climate Science</td>
<td>None</td>
<td>ATS 201</td>
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<tr>
<td>Skills Course</td>
<td>None</td>
<td>GEOG 360</td>
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</tbody>
</table>
**SKILLS COURSES**
- Math
- Writing I
- Writing II
- Speech (Writing III)
- Fitness

**Completed as part of major.**
- WR 121. Required to transfer.
- Many options, see Baccalaureate Core above.
- HPE 295

**PERSPECTIVE COURSES**
- Biological Science
- Physical Science
- Additional Biological or Physical Science
- Cultural Diversity
- Literature and the Arts
- Social Processes and Institutions
- Western Culture

**Many options, see Baccalaureate Core above.**

**DPD COURSE**
- Difference, Power, & Discrimination

**Upper division course, take through OSU.**

**SYNTHESIS COURSES**
- Contemporary Global Issues
- Science, Technology, & Society

**Upper division course, take through OSU.**

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**Advising Contacts**

It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing.

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** Also, consider visiting OSU to take a campus tour and meet with an advisor. See [visitosu.oregonstate.edu/visit-campus](http://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

**Blue Mountain Community College**
- [https://www.bluecc.edu/enrollment-services/advising](https://www.bluecc.edu/enrollment-services/advising)

**OSU College of Earth, Ocean, and Atmospheric Sciences [CEOAS]**
- [https://ceoas.oregonstate.edu/academics/advising/](https://ceoas.oregonstate.edu/academics/advising/)

**CEOAS Student Services Office**
- 104 Wilkinson Hall, Corvallis, OR 97331-5503
- 541-737-1201