Major Offered Through: CORVALLIS

Mt. Hood 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

Courses for this Major (offered at Mt. Hood Community College)

Priority courses to complete before transferring are distinguished by *P*

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Mt. Hood Equivalent</th>
<th>OSU Courses</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics <em>P</em></td>
<td>MTH 112</td>
<td>MTH 112</td>
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<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 <em>P</em></td>
<td>CH 221</td>
<td>CH 231/261</td>
<td></td>
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<tr>
<td></td>
<td>CH 222</td>
<td>CH 232/262</td>
<td>2xx level preferred</td>
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<tr>
<td>Physics</td>
<td>PH 211 or PH 201/201L</td>
<td>PH 211/221</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PH 212 or PH 202/202L</td>
<td>PH 212/222 or 202</td>
<td>Calculus-based series is preferred (PH21x/22x)</td>
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<tr>
<td>Additional Chemistry or Physics</td>
<td>CH 223 - or -</td>
<td>CH 233/263 - or -</td>
<td>A third term of CH OR PH required. Consider both if planning on graduate school,</td>
</tr>
<tr>
<td></td>
<td>PH 203/203L or 213</td>
<td>PH 203 or PH 213</td>
<td></td>
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<tr>
<td>Statistics</td>
<td>None</td>
<td>ST 351</td>
<td></td>
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<tr>
<td>Physical Geology <em>P</em></td>
<td>G 201</td>
<td>GEO 201</td>
<td></td>
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<tr>
<td>Earth Systems <em>P</em></td>
<td>G 202</td>
<td>GEO 202</td>
<td></td>
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<tr>
<td>Life and Planet Earth <em>P</em></td>
<td>G 203</td>
<td>GEO 203</td>
<td></td>
</tr>
<tr>
<td>Oceanography</td>
<td>None</td>
<td>OC 201</td>
<td></td>
</tr>
<tr>
<td>Climate Science</td>
<td>None</td>
<td>ATS 201</td>
<td></td>
</tr>
<tr>
<td>Skills Course</td>
<td>GE 102</td>
<td>ENGR 112</td>
<td>Or see upper division course options at OSU</td>
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</tbody>
</table>
**Important Notes & Resources**

**Important Notes for the College and Major:**
- Grade requirements: see [https://ceoas.oregonstate.edu/academics/undergraduate/policies/](https://ceoas.oregonstate.edu/academics/undergraduate/policies/) for more information.
- See a sample degree plan by searching “Geology” at [admissions.oregonstate.edu/find-your-major](https://admissions.oregonstate.edu/find-your-major)
- Other majors in this College to explore: Climate Science, Ocean Science, Environmental Sciences, Geography & Geospatial Science
- Math, chemistry, and some Baccalaureate Core are priority courses to complete before transferring to OSU.
- For Geology students, the best time to transfer is fall term, particularly due to the Earth Materials series courses. Talk with an OSU advisor about your specific timeline.

**Resources and OSU Information:**
- Students do not have to complete a transfer degree in order to transfer to OSU.
  - If you’ve completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See admissions info: [oregonstate.edu/admissions/transfer.html](https://oregonstate.edu/admissions/transfer.html)
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: [partnerships.oregonstate.edu/students](https://partnerships.oregonstate.edu/students)
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at [visitosu.oregonstate.edu/visit-campus](https://visitosu.oregonstate.edu/visit-campus)

**General Education Courses (called the Baccalaureate Core)**

- Complete one course in each Perspectives category with no more than two in the same subject.
- For full listing of courses that fulfill Baccalaureate Core, please refer to [https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-mount-hood-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-mount-hood-community-college)

| SKILLS COURSES | Completed as part of major. WR 121. Required to transfer. Many options, see BaccCore link above
| Writing I | WR 121. Required to transfer.
| Writing II | Many options, see BaccCore link above
| Speech (Writing III) | HPE 295
| Fitness | Many options, see BaccCore link above
| Biological Science | Completed as part of major
| Physical Science | Many options, see BaccCore link above
| Additional Biological or Physical Science | Completed as part of major
| Cultural Diversity | Many options, see BaccCore link above
| Literature and the Arts | Many options, see BaccCore link above
| Social Processes and Institutions | Many options, see BaccCore link above
| Western Culture | Many options, see BaccCore link above
| DPD COURSE | Difference, Power, & Discrimination
| SYNTHESIS COURSES | Upper division course, take through OSU
| Contemporary Global Issues | Upper division course, take through OSU
| Science, Technology, & Society | Many options, see BaccCore link above

**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](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

**Mt. Hood Community College**
[https://www.mhcc.edu/AdvisingCenter/](https://www.mhcc.edu/AdvisingCenter/)

**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**
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541-737-1201