B.S. in Earth Sciences, Climate Science option

The Earth's climate influences the food we eat, the places we live, and our nation's economy and security. Climate scientists collect data in locations ranging from the poles to the tropics, study satellite and ice core records, and perform simulations of the future climate using advanced computer models. The Climate Science option is built on a strong foundation of physical climate system science as well as an emphasis on the intersection of climate with biological, social, political, and economic systems. Climate Science students develop a deep understanding of the climate system and skills that are applied to climate mitigation and adaptation solutions. Students learn through "hands-on" experiential learning in field courses, project-focused classes such as Climate Data Analysis and Climate Modeling, and research or internships.

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 Lane Community College)

Priority courses to complete before transferring are distinguished by $^P$

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Lane Equivalent</th>
<th>OSU Courses</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics $^P$</td>
<td>MTH 112, MTH 251, MTH 252, MTH 254</td>
<td>MTH 112, MTH 251, MTH 252, MTH 254</td>
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<tr>
<td>Chemistry</td>
<td>CH 221, CH 222</td>
<td>CH 231/261, CH 232/262</td>
<td>200-level preferred</td>
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<tr>
<td>Physics $^P$</td>
<td>PH 201 or 211, PH 202 or 212, PH 203 or 213</td>
<td>PH 201 or PH 211/221, PH 202 or PH 212/222, PH 203 or PH 213/223</td>
<td>Calculus based preferred</td>
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<tr>
<td>Statistics</td>
<td>None</td>
<td>ST 351</td>
<td></td>
</tr>
<tr>
<td>Physical Geology</td>
<td>G 201</td>
<td>GEO 201</td>
<td></td>
</tr>
<tr>
<td>Earth System</td>
<td>G 202</td>
<td>GEO 202</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>GIScience I</td>
<td>GIS 245</td>
<td>GEOG 360</td>
<td>Will not count toward upper-division credits</td>
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</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 BaccCore link above

**PERTSPECTIVE 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 BaccCore link above

Completed as part of major

**DPD COURSE**

- **Difference, Power, & Discrimination**

Many options, see BaccCore link above

**SYNTHESIS COURSES**

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

Upper division course, take through OSU

Upper division course, take through OSU

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**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-lane-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-lane-community-college)

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

<table>
<thead>
<tr>
<th><strong>Lane Community College</strong></th>
<th><a href="https://www.lanecc.edu/advising/advisors">https://www.lanecc.edu/advising/advisors</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OSU College of Earth, Ocean, and Atmospheric Sciences [CEOAS]</strong></td>
<td><a href="https://ceoas.oregonstate.edu/academics/advising/">https://ceoas.oregonstate.edu/academics/advising/</a></td>
</tr>
<tr>
<td><strong>CEOAS Student Services Office</strong></td>
<td>104 Wilkinson Hall, Corvallis, OR 97331-5503</td>
</tr>
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<td></td>
<td>541-737-1201</td>
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