Rangeland Sciences

Rangeland sciences is the study and sustainable management of rangelands across a variety of biomes, from arid deserts, to mesic grasslands, to tropical savannahs. The program takes an interdisciplinary approach to provide advanced scientific knowledge regarding multiple ecological processes and social drivers influencing rangeland ecosystems around the globe.

Students gain the skills and knowledge needed to fully understand and effectively manage rangelands.

Students may select an option from:
- Habitat Management
- Pastoral Systems of the World
- Sustainable Livestock Ranching
- Sustainable Rangeland Ecosystem Stewardship

Your Bachelor’s Degree (BS) in Rangeland Sciences

- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 transfer credits may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- More info at: agsci.oregonstate.edu/degree/rangeland-sciences-bs

Courses Required for Rangeland Sciences Major

<table>
<thead>
<tr>
<th>Rangeland Science Core Requirements</th>
<th>Clats. Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus for Management &amp; Social Sci.</td>
<td>MTH 241</td>
<td>ST 201</td>
<td>Available online at OSU</td>
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<tr>
<td>Principles of Statistics</td>
<td>BI 204</td>
<td>BI 205</td>
<td>BI 206</td>
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<tr>
<td>Biology</td>
<td>Only select one full series (either all BI 211-213 or all of 221-223)</td>
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<tr>
<td>Intro to Biology</td>
<td>BI 211</td>
<td>BI 212</td>
<td>BI 213</td>
</tr>
<tr>
<td>Principles of Biology</td>
<td>BI 204</td>
<td>BI 205</td>
<td>BI 206</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CH 121</td>
<td>CH 122</td>
<td>CH 123</td>
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<tr>
<td>Communication</td>
<td>CH 121</td>
<td>CH 122</td>
<td>CH 123</td>
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<tr>
<td>Technical Writing</td>
<td>CH 121</td>
<td>CH 122</td>
<td>CH 123</td>
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<tr>
<td>Intro to Wildland Ecology</td>
<td>CH 121</td>
<td>CH 122</td>
<td>CH 123</td>
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<tr>
<td>Soil Science</td>
<td>CH 121</td>
<td>CH 122</td>
<td>CH 123</td>
</tr>
<tr>
<td>Soil Science + Lab</td>
<td>SOIL 205/206</td>
<td>CSS 205</td>
<td>Complete one(1) option</td>
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<tr>
<td>Principles of Soil Science</td>
<td>Complete one(1) option</td>
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<td></td>
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<tr>
<td>Field Sampling of Fish and Wildlife</td>
<td>FW 255</td>
<td>Available online at OSU</td>
<td></td>
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<tr>
<td>Applied Animal Nutrition</td>
<td>ANS 313</td>
<td>Available online at OSU</td>
<td></td>
</tr>
</tbody>
</table>

Courses Required for Rangeland Sciences Major: Option specific

Note: Students are not required to complete an option

| Habitat Management |
| Natural Resources Management | Other courses available, speak with advisor |
General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of Clatsop CC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clatsop-community-college](admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clatsop-community-college)

**SKILLS COURSES**
- Math
- Writing I
- Writing II
- Speech (Writing III)
- Fitness (HHS 231 and 241)
- Completed as part of major
- WR 121. Required to transfer.
- Completed as part of major: see advisor for options
- Completed as part of major: see advisor for options
- 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
- Completed as part of major
- Completed as part of major
- Completed as part of major
- Choose one course from BaccCore link above
- Choose one course from BaccCore link above
- Completed as part of major: see advisor for options
- Choose one course from BaccCore link above

**DPD COURSE**
- Difference, Power, & Discrimination
- Choose one course from BaccCore link above

**SYNTHESIS COURSES**
- Contemporary Global Issues
- Science, Technology, & Society
- Upper division course, take through OSU
- Upper division course, take through OSU

Important Notes & Resources

- See a [sample degree plan](#) by searching "Rangeland Sciences" in the OSU Catalog at [catalog.oregonstate.edu](catalog.oregonstate.edu). Or find a sample degree plan on the Rangeland Science Fact Sheet [agsci.oregonstate.edu/degree-fact-sheet/rangeland-sciences](agsci.oregonstate.edu/degree-fact-sheet/rangeland-sciences)
- Rangeland Sciences offers 4 options which allow students to specialize. The options are Habitat Management, Pastoral Systems of the World, Sustainable Livestock Ranching, and Sustainable Rangeland Ecosystem Stewardship. More details can be found by searching "Rangeland Sciences" in the OSU Catalog at [catalog.oregonstate.edu](catalog.oregonstate.edu)
• Other similar majors to explore: Animal Sciences, Zoology. Check out all OSU programs at catalog.oregonstate.edu.
• 100 and 200 level and lower division Baccalaureate Core are priority courses to complete before transferring to OSU.
• For Rangeland Science students, the best time to transfer is fall term, particularly due to the Rangeland Science series courses. Talk with an OSU advisor about your specific timeline.
• It is important to speak with the Rangeland Science Advisor Dodi Reesman early on, and often, to ensure correct course selection and sequencing. Dodi can be reached at dodi.reesman@oregonstate.edu

Resources and OSU Information:

• Students do not have to complete a transfer degree in order to transfer to OSU.
  o 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 transfer student admissions info: transfer.oregonstate.edu
• Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
• Visit OSU for a campus tour and meet with an advisor; schedule your visit at visitosu.oregonstate.edu/visit-campus

Advising Contacts

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. It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. To schedule a visit, go to Corvallis campus: visitosu.oregonstate.edu/visit-campus and LaGrand campus: https://www.eou.edu/admissions/visit/.

<table>
<thead>
<tr>
<th>Clatsop Community College</th>
<th>clatsopcc.edu/academic-planning/academic-advising/</th>
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<tbody>
<tr>
<td>OSU College of Agricultural Sciences Student Advisor</td>
<td>Dodi Reesman 541-737-4761 <a href="mailto:Dodi.reesman@oregonstate.edu">Dodi.reesman@oregonstate.edu</a></td>
</tr>
</tbody>
</table>

OSU College of Agricultural Sciences prohibits discrimination in all its programs, services, activities, and materials.