### 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/main/degree/animal-sciences](agsci.oregonstate.edu/main/degree/animal-sciences)

### Courses Required for Rangeland Sciences Major

Courses Required for Rangeland Sciences Major: Option specific

Note: Students are not required to complete an option

<table>
<thead>
<tr>
<th>Technical Writing</th>
<th>WR 327 (LD)</th>
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<tbody>
<tr>
<td>Intro to Wildland Ecology</td>
<td>RNG 121</td>
</tr>
<tr>
<td>Soil Science</td>
<td>SOIL 205/206</td>
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<tr>
<td>Soil Science + Lab</td>
<td>SOIL 205/206</td>
</tr>
<tr>
<td>Principles of Soil Science</td>
<td>CSS 205</td>
</tr>
<tr>
<td>Field Sampling of Fish and Wildlife</td>
<td>NR 255</td>
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<tr>
<td>Applied Animal Nutrition</td>
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</tbody>
</table>

Available online at OSU:

<table>
<thead>
<tr>
<th>Communication</th>
<th>SP 111, SP 112, SP 218, COMM 111, COMM 114, COMM 218</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus for Management &amp; Social Sci.</td>
<td>MTH 242</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>MTH 243</td>
</tr>
<tr>
<td>Biology</td>
<td>BI 204, BI 205, BI 206, BI LD2</td>
</tr>
<tr>
<td>Principles of Biology</td>
<td>BI 211, BI 212, BI 213, BI LD2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CH 221, CH 222, CH 223, CH 121, CH 122, CH 123</td>
</tr>
</tbody>
</table>

Available online at OSU:

| Courses Required for Rangeland Sciences Major: Option specific |
|------------------|-----------------|
| Natural Resources Management | FOR/NR 201 |
| Managing NR for Future | NR 201 |
| NR Problems & Solutions | NR 202 |
| Other courses available, speak with advisor |

All courses listed: Available online at OSU

Contact an OSU advisor for more information.
**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 Umpqua CC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-umpqua-community-college](http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-umpqua-community-college)

### SKILLS COURSES

- **Math**
  - Writing I
  - Writing II
- **Writing (Writing III)**
- **Fitness (HHS 231 and 241)**

### PERSPECTIVE COURSES

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

### DPD COURSE

- **Difference, Power, & Discrimination**

### SYNTHESIS COURSES

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

### 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. See [visitosu.oregonstate.edu/visit-campus](http://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

**Umpqua Community College**
- umpqua.edu/areas-of-study/transfer-education

**OSU College of Agricultural Sciences Student Advisor**
- Dodi Reesman
  - 541-737-4761
  - Dodi.reesman@oregonstate.edu