Bachelor of Science in 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.

Degrees that Pay. Careers that Matter.

Job opportunities are abundant for graduates with expertise in food, agriculture, renewable natural resources, or ecological sustainability. This expertise helps solve the world’s most pressing issues in the arenas of world hunger, human health, and environmental conservation. Discover how you can build a meaningful career that helps make tomorrow better.

Potential career paths with a Rangeland Sciences degree include:
Rancher or Farm Manager, Rangeland Conservationist, Range Economist, Game Enforcement, Soil and Water Conservationist, Land Use Planner.

Individualized Advising

Advisors help students develop their course of study. They link students to scholarships and campus resources, advise on matters of professional development, and point students toward experiential learning and leadership opportunities that will help them be successful in their careers after graduation. For Rangeland Sciences advising, contact Matthew Hovland at matthew.hovland@oregonstate.edu.
# B.S. in Rangeland Sciences Example 4-Year Plan | 2022-2023

<table>
<thead>
<tr>
<th>First Year</th>
<th>Winter</th>
<th>Spring</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Winter</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Notes</strong></td>
</tr>
<tr>
<td>WR 121 Eng Comp</td>
<td>COMM 111 Public Speaking or COMM 114 Argument and Crit Disc or COMM 218 Interp Comm</td>
<td>BACCORE*</td>
<td>3</td>
</tr>
<tr>
<td>CH 121 Gen Chem</td>
<td>CH 122 Gen Chem</td>
<td>AEC 250 Intro to Envir Econ &amp; Policy</td>
<td>3</td>
</tr>
<tr>
<td>HHS 231 Lifetime Fitness or HHS 241</td>
<td>MTH 111 College Algebra</td>
<td>CH 123 Gen Chem</td>
<td>5</td>
</tr>
<tr>
<td>RNG 121 Intro Wildland Ecology</td>
<td>BACCORE*</td>
<td>SOIL 205 Soil Sci &amp; SOIL 206 Lab for 205</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>14</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th>Winter</th>
<th>Spring</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Winter</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Notes</strong></td>
</tr>
<tr>
<td>BI 221 Prins of Bio</td>
<td>BI 222 Prins of Bio</td>
<td>BI 223 Prins of Bio</td>
<td>4</td>
</tr>
<tr>
<td>BACCORE*</td>
<td>WR 327 Tech WR bacc Core</td>
<td>BACCORE*</td>
<td>3</td>
</tr>
<tr>
<td>MTH 241 Calc for Mngmt and Social Sci</td>
<td>BOT 311 Plant Physio</td>
<td>BOT 341 Plant Ecology</td>
<td>4</td>
</tr>
<tr>
<td>RNG 341 Rangeland Ecology</td>
<td>ST 201 Prins of STATS or ST 351 Intro to Stats Methods</td>
<td>RNG 353 Wildland Plant Ident</td>
<td>4</td>
</tr>
<tr>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th>Winter</th>
<th>Spring</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Winter</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Notes</strong></td>
</tr>
<tr>
<td>ANS 445 Beef Pro Systems</td>
<td>ANTH 466 Rural Anthro</td>
<td>ANS 313 Applied Animal Nutr</td>
<td>4</td>
</tr>
<tr>
<td>AEC 351 Nat Resource Econ &amp; Policy (Meets CGI Baccore)</td>
<td>RING 352 Range Ecology II</td>
<td>BACCORE*</td>
<td>3</td>
</tr>
<tr>
<td>FW 251 Prins Fish &amp; Wildlife</td>
<td>RING 442 Rangeland Animal Relations</td>
<td>RNG 351 Range Ecology I</td>
<td>4</td>
</tr>
<tr>
<td>RNG 441 Rangeland Analysis</td>
<td>SOIL 366 Ecosystems of Wildland Soils</td>
<td>RNG 355 Desert Watershed Mngmt</td>
<td>3</td>
</tr>
<tr>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>14</td>
<td>16</td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th>Winter</th>
<th>Spring</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Winter</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Notes</strong></td>
</tr>
<tr>
<td>RNG 421 Wildland Restor</td>
<td>AG 421 WR in Agri or ANS 420 Ethical Issues or FW 435 Wildlif in Agri</td>
<td>RNG 490 Rangeland Mngmt Planning</td>
<td>4</td>
</tr>
<tr>
<td>RNG 455 Riparian Ecohydro &amp; Mngmt</td>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>12</td>
</tr>
<tr>
<td>RNG 457 Habitat Analysis I</td>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>3</td>
</tr>
<tr>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>Elective/Option/Minor</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

---

*BACCORE* = Fitness - HHS 231 + Physical Activity Course, Perspective Courses – Choose a course from each category: Western Culture, Cultural diversity, Literature & Arts, Social Processes, and Difference Power, Discrimination (met with FW Human Dimension Course). Synthesis Courses – Choose a course from each category: Science Tech & Society & Contemporary Global Issues.

**OPTION COURSE** = Course taken depends on option student selects – see the full list of requirements and options at catalog.oregonstate.edu