## Requirements for Students Matriculating in or before Academic Year 2016-2017

**BACHELOR of SCIENCE in AGRICULTURAL SCIENCES and NATURAL RESOURCES**

**MAJOR:** Natural Resource Ecology & Management  
**OPTION:** Rangeland Ecology & Management

**Minimum Overall Grade Point Average:** 2.00  
**(cumulative graduation/retention GPA)**

- **Total Hours:** 125

### General Education Requirements: 40 Hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
<th>To be selected from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
<td>ENGL 1113 or 1313; &amp; ENGL 1213 or 1413 or 3223 (See Academic Regulation 3.5 in Catalog)</td>
</tr>
<tr>
<td>American History &amp; Government</td>
<td>6</td>
<td>HIST 1103 or 1483 or 1493; and POLS 1113</td>
</tr>
<tr>
<td>Analytical &amp; Quantitative Thought (A)</td>
<td>6</td>
<td>MATH 1513*; STAT 2013*</td>
</tr>
<tr>
<td>Humanities (H)</td>
<td>6</td>
<td>Courses designated (H)</td>
</tr>
<tr>
<td>Natural Sciences (N)</td>
<td>7</td>
<td>BIOL 1114* and any course designated (N)</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences (S)</td>
<td>3</td>
<td>AGEC 1113*</td>
</tr>
<tr>
<td>Additional General Education</td>
<td>6</td>
<td>Courses designated A, H, N, or S</td>
</tr>
</tbody>
</table>

**Diversity (D) & International Dimension (I)**

- May be completed in any part of the degree plan.
- At least one Diversity (D) course
- At least one International Dimension (I) course

*College & Departmental requirements that meet GE requirements

### College/Departmental Requirements: 33 Hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Sciences and Natural Resources</td>
<td>10</td>
<td>AG 1011; NREM 1012; 2013; SOIL 2124;</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>17</td>
<td>BIOL 1604; BOT 1404; CHEM 1215 or 1314; CHEM 1225 or 1515 (If used as (N) course above, then hours are reduced by hours of course)</td>
</tr>
<tr>
<td>Written and Oral Communications</td>
<td>6</td>
<td>AGCM 3103 (or BCOM 3113 or ENGL 3323) (If ENGL 3323 is substituted for ENGL 1213 above; hours in this block are reduced by 3.) AGCM 3203 or SPCH 2713 or 3733. (If used as (S) course above, then hours are reduced by three)</td>
</tr>
</tbody>
</table>

### Major Requirements: 52 Hours

**Core Courses: 50 hours**

- BOT 3005
- NREM 3012, 3013, 3063, 3083, 3503, 3613, 4001, 4023, 4033, 4043, 4613, 4783
- NREM 4053 or 4063
- NREM 4443 or 4473
- ANSI 3543
- SOIL 3433 or 4563

**Related Courses: 2 hours**

Select courses from among the following or other courses in consultation with a faculty advisor for additional breadth, or to create a specialty emphasis area. **May not use a course used above in Core Courses.**

- AGEC 3423, 3503
- ANSI 1124, 3433, 3653, 4203, 4613
- BIOL 3023 or ANSI 3423 or PLNT 3554 or NREM 3073
- BIOL 3034
- BOT 3024, 3114, 3463, 4023
- ENTO 2993, 3331, 4223
- ENVR 1113, 4512
- GEOG 3023, 3033, 3153, 3333, 4053, 4333, 4343
- GEOL 3503
- NREM 2134, 3101, 3103, 3213, 3224, 3502, 3513, 3713, 4053, 4063, 4093, 4213, 4403, 4452, 4453, 4464, 4473, 4524, 4535, 4543, 4793, 4960, 4980, 4990
- PLP 3343
- PLNT 1213; 3113; 4613
- POLS 4593
- SOIL 3433, 4463, 4483, 4563, 4683
- BIOL 4113, 4115, 4133, 4174, 4303, 4413

**Electives: 0 Hours**

(or hours to complete required total for degree)

### Other Requirements

- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above. A 2.00 GPA or higher in upper-division hours.

**Additional State/OSU Requirements**

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU. Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.

Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation. Degrees that follow this plan must be completed by the end of Summer 2022.