AGRICULTURAL SYSTEMS & ENVIRONMENT, MINOR

College of Agricultural & Environmental Sciences

Advising is located in 1220 Plant & Environmental Sciences; 530-752-1715; Undergraduate Minors (https://www.plantsciences.ucdavis.edu/undergraduate/undergraduate-minors/)

Minor Advisor
Thomas M. Gradziel (https://www.plantsciences.ucdavis.edu/people/thomas-gradziel/) (Plant Sciences)

### Preparatory Material

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 013</td>
<td>Elementary Statistics</td>
<td>4-5</td>
</tr>
<tr>
<td>or STA 013Y</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>STA 032</td>
<td>Gateway to Statistical Data Science</td>
<td></td>
</tr>
<tr>
<td>STA 100</td>
<td>Applied Statistics for Biological Sciences</td>
<td></td>
</tr>
<tr>
<td>PLS 120</td>
<td>Applied Statistics in Agricultural Sciences</td>
<td></td>
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</tbody>
</table>

### Statistics

**Choose one:**

- STA 013 Elementary Statistics
- STA 013Y Elementary Statistics
- STA 032 Gateway to Statistical Data Science
- STA 100 Applied Statistics for Biological Sciences
- PLS 120 Applied Statistics in Agricultural Sciences

### Plant Science

**Choose one:**

- PLS 002 Botany & Physiology of Cultivated Plants

**Completion of BIS requirement.**

**Total Units**

8-9

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1 Completion of the following fulfills this requirement:
- BIS 002A
- BIS 002B
- BIS 002C

### Agricultural Systems & Environment Minor

**Choose one of the two following tracks:**

- Sustainable Agriculture Track (p. 1)
- Range & Natural Resources Track (p. 1)

**Total Units**

18-20

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### Sustainable Agriculture Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>PLS 150</td>
<td>Sustainability &amp; Agroecosystem Management</td>
<td>4</td>
</tr>
<tr>
<td>SSC 100</td>
<td>Principles of Soil Science</td>
<td>5</td>
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</tbody>
</table>

**Choose one:**

- PLS 105 Concepts in Pest Management
- PLS 176 Introduction to Weed Science
- ENT 110 Arthropod Pest Management

**Choose a minimum of 6 units:**

- PLS 112 Forage Crop Production

**Total Units**

18-20

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### Range & Natural Resources Track

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<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>PLS 130</td>
<td>Rangelands: Ecology, Conservation &amp; Restoration</td>
<td>3</td>
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</tbody>
</table>

**Choose a minimum of 15 units:**

- PLS 112 Forage Crop Production
- PLS 131 Identification & Ecology of Grasses
- PLS 135 Ecology & Community Structure of Grassland & Savannah Herbivores
- PLS 150 Sustainability & Agroecosystem Management
- PLS 163 Ecosystem & Landscape Ecology
- ESP 123 Introduction to Field & Laboratory Methods in Ecology
- ESP 172 Public Lands Management
- WFC 110 Biology & Conservation of Wild Mammals
- WFC 151 Wildlife Ecology

**Total Units**

18