## Additional Preparatory Subject Matter Requirements

### Biological Sciences
- **BIS 2C** Biodiversity and the Tree of Life  
  Prerequisites: I, II, III, IV  
  Units: 5  
  Quarter(s) Offered: I, II, III, IV
- **BIS 2B** Principles of Ecology and Evolution  
  Prerequisites: I, II, III, V  
  Units: 5  
  Quarter(s) Offered: I, II, III, V

### Mathematics
- **MAT 16A** Short Calculus  
  Prerequisites: MAT 16A  
  Units: 3  
  Quarter(s) Offered: I, II, III, IV, V
- **MAT 16B** Short Calculus  
  Prerequisites: MAT 16A  
  Units: 3  
  Quarter(s) Offered: I, II, III, IV, V

### Chemistry
- **CHE 2B** General Chemistry  
  Prerequisites: CHE 2A  
  Units: 5  
  Quarter(s) Offered: II, III, V

### Physics
- **PHY 1A** Principles of Physics  
  Prerequisites: I, II, IV  
  Units: 3  
  Quarter(s) Offered: I, II

### Statistics/Plant Sciences (Choose one)
- **STA 100** Applied Statistics for Biological Sciences  
  Prerequisites: MAT 16B/17B  
  Units: 4  
  Quarter(s) Offered: I, II, III, IV, V
- **PLS 120** Applied Statistics in Agricultural Science  
  Prerequisites:  
  Units: 4  
  Quarter(s) Offered: I

### Animal Sciences (Choose one)
- **ANS 1** Domestic Animals and People  
  Prerequisites:  
  Units: 4  
  Quarter(s) Offered: I
- **ANS 2** Introductory Animal Science  
  Prerequisites: I, III  
  Units: 4  
  Quarter(s) Offered: I, III

### Human Society (choose one)
- **POL 1** American National Government  
  Prerequisites:  
  Units: 4  
  Quarter(s) Offered: I, II
- **ANT 2** Cultural Anthropology  
  Prerequisites: I, II, III, IV  
  Units: 4  
  Quarter(s) Offered: I, II, III, IV
- **SOC 1** Introduction to Sociology  
  Prerequisites:  
  Units: 5  
  Quarter(s) Offered: I, II, III, IV
- **SOC 3** Social Problems  
  Prerequisites:  
  Units: 4  
  Quarter(s) Offered: I, II, III, V
## Depth Subject Matter Requirements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Subject</th>
<th>Prerequisites</th>
<th>Quarter(s) Offered</th>
<th>Uni ts</th>
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<tr>
<td><strong>Agricultural and Resource Economics</strong> <em>(choose one)</em></td>
<td>ARE 145 Farm and Rural Resource Appraisal</td>
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<td>ARE 147* Resource and Environmental</td>
<td>ECN 1A</td>
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<td>ARE 120 Analysis of Agricultural Policy</td>
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<td>ARE 112 Fundamentals of Organization</td>
<td>Upper-div</td>
<td>I,II,III,IV</td>
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<tr>
<td><strong>Environmental Science and Policy</strong> <em>(choose one)</em></td>
<td>ESP 161 Environmental Law</td>
<td>Upper-Div Standing; one course in ESM</td>
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<td>ESP 169 Water Policy and Politics</td>
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<td>HYD 150 Water Law</td>
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<td><strong>Soil Science</strong></td>
<td>SSC 100 Principles of Soil Science</td>
<td>CHE 2A-B, PHY 1A-B, BIS 1A</td>
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<td>SSC 109 Sustainable Nutrient Management</td>
<td>SSC 100 rec</td>
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<td><strong>Select one from below</strong></td>
<td>PLS 105 Concepts in Pest Management</td>
<td>CHE 008B</td>
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<td>PLS 111 Agronomic Crop Production</td>
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<td>PLS 112 Forage Crop Production</td>
<td>PLS 2 or BIS 2C</td>
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<td>PLS 113 Biological Application of Fruit Tree</td>
<td>PLS 2, BIS 1C, BIS 2B</td>
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<td>PLS 160* Agroforestry; Global and Local</td>
<td>PLS 2</td>
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<td>PLS 174 Molecular &amp; Cellular Aspects of Postharvest</td>
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<td>ENT 119** Apiculture</td>
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<td>ENT 120* Pollination Biology</td>
<td>PHY 007A and SSC 100 rec</td>
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<td>HYD 110 Irrigation Principles and Practices</td>
<td>CHE 2A, SSC 100</td>
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<td>VEN 111 World of Viticulture</td>
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<td>ESM 120 Global Environmental Interactions</td>
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<td>One BIS course, One CHE course</td>
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*Offered odd years, **=offered even years, I=future availability unknown I=Fall Quarter, II=Winter Quarter, III=Spring Quarter, IV=Summer Session
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