Colorado State University

**Major in Agricultural Education (B.S.)**

**Teacher Development Concentration**

This Major Completion Map is designed to help students and their advisors build a semester-by-semester course schedule that will enable students to complete their degree within the minimum number of semesters established by the program of study. The columns on the left list the full Program of Study, with a hyperlink to CSU’s Online Catalog. The middle section lists Benchmarks, which are typically pre-requisites for subsequent coursework, minimum grades or GPA, courses offered on a limited basis, or degree conditions such as portfolio review or accreditation requirements. Benchmarks must be completed by the end of the term in which they are listed for the student to have a clear path to timely graduation. In most cases, it will be wiser for students to complete benchmarks before the semester in which they are listed in the Benchmarks column. When that is the case, a benchmark will appear earlier in the section on the right listing Strongly Recommended. When building a course schedule for an individual term, students are advised to schedule courses from the Benchmarks and Strongly Recommended columns first. The remaining courses can be more flexibly scheduled over time. Students should average a full credit load each term (typically an average of 15 credits per term) in order to graduate in the minimum number of semesters.

### First Year Semester 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Critical Benchmark(s)</th>
<th>Strongly Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGED 220(F)</td>
<td>Understanding Agricultural Education</td>
<td>1</td>
<td></td>
<td>AGED 220</td>
</tr>
<tr>
<td>AGED 240(F)</td>
<td>Technical Tool Applications in Ag Education</td>
<td>2</td>
<td>AGED 240</td>
<td></td>
</tr>
<tr>
<td>AGRI 192</td>
<td>Orientation to Agricultural Systems</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGRI 292</td>
<td>Transfer Seminar</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>ANEQ 101</td>
<td>Food Animal Science</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANEQ 102(F)</td>
<td>Introduction to Equine Science</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>AREC 202</td>
<td>Agricultural Resource Economics (AUCC 3C)</td>
<td>3</td>
<td></td>
<td>AREC 202</td>
</tr>
<tr>
<td>SOCR 100(F)</td>
<td>General Crops</td>
<td>4</td>
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</table>

**Select 3 credits from the following (AUCC 1B):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Critical Benchmark(s)</th>
<th>Strongly Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 117</td>
<td>College Algebra in Context I</td>
<td>1</td>
<td></td>
<td>AUCC 1B</td>
</tr>
<tr>
<td>MATH 118</td>
<td>College Algebra in Context II</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 124</td>
<td>Logarithmic and Exponential Function</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 141</td>
<td>Calculus in Management Sciences</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 155</td>
<td>Calculus for Biological Scientists I</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus for Physical Scientists I</td>
<td>4</td>
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</table>

**Total Credits:** 18

### First Year Semester 2

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
<th>Critical Benchmark(s)</th>
<th>Strongly Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGED 320(F)</td>
<td>Technology Lab for Ag Education</td>
<td>1</td>
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</table>

**Select 4 credits from the following (AUCC 3A):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Critical Benchmark(s)</th>
<th>Strongly Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>BZ 110</td>
<td>Principles of Animal Biology</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>BZ 111</td>
<td>Animal Biology Laboratory</td>
<td>1</td>
<td></td>
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<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BZ 120</td>
<td>Principles of Plant Biology</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
or

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFE 102</td>
<td>Attributes of Living Systems</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 107</td>
<td>Fundamentals of Chemistry (AUCC 3A)</td>
<td>4</td>
</tr>
<tr>
<td>CO 150</td>
<td>College Composition (AUCC 1A)</td>
<td>3</td>
</tr>
<tr>
<td>AUCC 3B</td>
<td>Arts and Humanities</td>
<td>3</td>
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**Total Credits:** 15

### Sophomore Semester 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANEQ 250</td>
<td>Live Animal and Carcass Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>AGED 241</td>
<td>Plumbing and Electrical Applications in Ag Ed</td>
<td>1</td>
</tr>
<tr>
<td>AGED 244</td>
<td>Power Systems in Agricultural Education</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Agricultural Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>AUCC 3D</td>
<td>Historical Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>AUCC 3E</td>
<td>Global and Cultural Awareness</td>
<td>3</td>
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**Total Credits:** 14

### Sophomore Semester 4

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREC 240</td>
<td>Issues in Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>AREC 340</td>
<td>Introduction: Economics of Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>ECON 340</td>
<td>Introduction: Economics of Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>AREC 342</td>
<td>Water Law, Policy, and Institutions</td>
<td>3</td>
</tr>
<tr>
<td>F 210</td>
<td>Forest Ecogeography</td>
<td>3</td>
</tr>
<tr>
<td>FW 104</td>
<td>Wildlife Ecology and Conservation</td>
<td>3</td>
</tr>
<tr>
<td>FW 260</td>
<td>Principles of Wildlife Management</td>
<td>3</td>
</tr>
<tr>
<td>RS 300</td>
<td>Rangeland Conservation and Stewardship</td>
<td>3</td>
</tr>
<tr>
<td>SOCR 240</td>
<td>Introductory Soil Science</td>
<td>4</td>
</tr>
<tr>
<td>AUCC 3B</td>
<td>Arts and Humanities</td>
<td>3</td>
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</table>

### Junior Semester 5

Select 1 of the following:

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AREC 305</td>
<td>Agricultural and Resource Enterprise Analysis</td>
<td>3</td>
</tr>
<tr>
<td>AREC 310</td>
<td>Agricultural Marketing</td>
<td>3</td>
</tr>
<tr>
<td>AREC 328</td>
<td>Small Agribusiness Management</td>
<td>3</td>
</tr>
<tr>
<td>AREC 408</td>
<td>Agricultural Finance</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 275</td>
<td>Schooling in the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 340</td>
<td>Literacy and the Learner</td>
<td>3</td>
</tr>
<tr>
<td>AUCC 2</td>
<td>Advanced Writing</td>
<td>3</td>
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</tbody>
</table>

**Total Credits:** 15
### Junior Semester 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Critical Benchmark(s)</th>
<th>Strongly Recommended</th>
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</thead>
<tbody>
<tr>
<td>AGED 420&lt;sup&gt;(S)&lt;/sup&gt;</td>
<td>Developing School-Based Ag Education</td>
<td>3</td>
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<tr>
<td>Select 3 credits not previously taken from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AREC 240</td>
<td>Issues in Environmental Economics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AREC 340&lt;sup&gt;(S)&lt;/sup&gt;/ ECON 340&lt;sup&gt;(S)&lt;/sup&gt;</td>
<td>Introduction: Economics of Natural Resources</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AREC 342&lt;sup&gt;(S)&lt;/sup&gt;</td>
<td>Water Law, Policy, and Institutions</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F 210</td>
<td>Forest Ecogeography</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>FW 104</td>
<td>Wildlife Ecology and Conservation</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FW 260</td>
<td>Principles of Wildlife Management</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS 300&lt;sup&gt;(F)&lt;/sup&gt;</td>
<td>Rangeland Conservation and Stewardship</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>EDUC 331</td>
<td>Educational Technology and Assessment</td>
<td>2</td>
<td>EDUC 331</td>
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<tr>
<td>EDUC 350</td>
<td>Instruction I-Individualization/Management</td>
<td>3</td>
<td>EDUC 350</td>
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<tr>
<td>EDUC 386</td>
<td>Practicum-Instruction I</td>
<td>1</td>
<td>EDUC 386</td>
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<tr>
<td>HORT 100</td>
<td>Horticultural Science</td>
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</table>

**Total Credits:** 16

### Senior Semester 7

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Critical Benchmark(s)</th>
<th>Strongly Recommended</th>
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</thead>
<tbody>
<tr>
<td>EDCT 425&lt;sup&gt;(F)&lt;/sup&gt;</td>
<td>Methods/Materials in Agricultural Education</td>
<td>4</td>
<td>EDCT 425</td>
<td></td>
</tr>
<tr>
<td>EDUC 450</td>
<td>Instruction II-Standards and Assessment</td>
<td>4</td>
<td>EDUC 450</td>
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<tr>
<td>EDUC 486E</td>
<td>Practicum-Instruction II</td>
<td>1</td>
<td>EDUC 486E</td>
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<tr>
<td>EDCT 492</td>
<td>Seminar-Professional Relations (AUCC 4C)</td>
<td>1</td>
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<tr>
<td></td>
<td>Agricultural Science Elective</td>
<td>5</td>
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</table>

**Total Credits:** 15

### Senior Semester 8

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Critical Benchmark(s)</th>
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</thead>
<tbody>
<tr>
<td>EDCT 485</td>
<td>Student Teaching (AUCC 4A, 4B, 4C)</td>
<td>11</td>
<td>The benchmark courses for the 8th semester are the remaining courses in the entire program of study.</td>
</tr>
<tr>
<td>EDCT 492</td>
<td>Seminar-Professional Relations (AUCC 4C)</td>
<td>1</td>
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</tr>
</tbody>
</table>

**Total Credits:** 12

**Total Program Credits:** 120

POS: FA15 (UCC 2/13/15)

(F) - Fall only course offering
(S) - Spring only course offering
Major Completion Maps are designed as a guide to assist students in navigating their official program of study. This Major Completion Map may differ in credit arrangement and course order. It is the responsibility of students, in consultation with their academic advisors, to ensure all program requirements, according to the official program of study, have been satisfied.