AGRICULTURAL LEADERSHIP & SCIENCE EDUCATION: AGRICULTURAL SCIENCE EDUCATION, BS

for the degree of Bachelor of Science Major in Agricultural Leadership & Science Education, Agricultural Science Education concentration

Department catalog page: Agricultural Education (http://catalog.illinois.edu/aces/ag-education)
Department website: https://aged.illinois.edu/
Department faculty: Agricultural Education Faculty (https://aged.illinois.edu/directory/faculty)
Overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/aces/ag-education)
College website: https://aces.illinois.edu/

The Bachelor of Science with a Major in Agricultural Leadership & Science Education curriculum prepares students for positions requiring expertise in formal and non-formal education. Examples include teaching agriculture in the public schools; cooperative extension work; training and program development; and other education-related positions in agricultural and environmental agencies and businesses.

A minimum of 126 hours is required for graduation. Students pursuing this major select from two concentrations: agricultural leadership education or agricultural science education. Students completing the agricultural science education concentration will be eligible for Illinois teacher certification in agricultural education, and will have instruction in key pedagogical areas as well as agriculture. For teacher education requirements applicable to all curricula, see the Council on Teacher Education (http://www.cote.illinois.edu/).

The Agricultural Science Education concentration prepares students to teach agricultural science, agribusiness, agricultural mechanics and horticulture in Illinois high schools. State of Illinois certification requirements include a minimum of 2,000 hours of employment experience in agriculture. Teacher certification students must maintain a 2.5 GPA or above to remain in good standing. Review procedures are provided by the Council on Teacher Education.

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Prescribed Courses (including Campus General Education)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Composition I and Speech</td>
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<td></td>
<td>Select one of the following:</td>
<td>6-7</td>
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<td></td>
<td>RHET 105 Writing and Research &amp; CMN 101 and Public Speaking (or equivalent (see college Composition I requirement))</td>
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<td></td>
<td>CMN 111 Oral &amp; Written Comm I &amp; CMN 112 and Oral &amp; Written Comm II</td>
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Advanced Composition
Select from campus approved list. AGED 230 is recommended.

Cultural Studies
Select one Western cultures course, one non-Western cultures course and one U.S. minority cultures course from campus approved lists.

Quantitative Reasoning I
Select one of the following:
- MATH 124 Finite Mathematics
- MATH 220 Calculus
- MATH 221 Calculus I
- MATH 234 Calculus for Business I

Quantitative Reasoning II
Select one of the following:
- ACE 261 Applied Statistical Methods
- CPSC 241 Intro to Applied Statistics
- ECON 202 Economic Statistics I
- PSYC 235 Intro to Statistics
- SOC 280 Intro to Social Statistics
- STAT 100 Statistics

Natural Sciences and Technology
CHEM 102 General Chemistry I & CHEM 103 General Chemistry Lab I

Physical science - select from campus approved list.

3-4

CPSC 112 Introduction to Crop Sciences

4

Humanities and the Arts
Select from campus approved list.

6

Social and Behavioral Sciences
ACE 100 Agr Cons and Resource Econ

4

PSYC 100 Intro Psych

4

ACES Required
ACES 101 Contemporary Issues in ACES

2

Agricultural Leadership and Science Education Required
AGED 100 Intro to Ag & Leadership Ed

2

AGED 220 Prog Del in Ag & Leadership Ed

3

AGED 230 Leadership Communications

3

AGED 421 Teaching Strategies in AGED

3

Required Concentration

42-55

Total Hours

126

Information listed in this catalog is current as of 04/2019
### Technical Subject Matter Required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANSC 100</td>
<td>Intro to Animal Sciences</td>
<td>4</td>
</tr>
<tr>
<td>ACE 232</td>
<td>Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>HORT 100</td>
<td>Introduction to Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>FSHN 101</td>
<td>Intro Food Science &amp; Nutrition</td>
<td>3</td>
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<tr>
<td>TSM 100</td>
<td>Technical Systems in Agr</td>
<td>3</td>
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<tr>
<td>AGED 260</td>
<td>Intro to Leadership Studies</td>
<td>3</td>
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<tr>
<td>AGED 280</td>
<td>Training Needs Assessment</td>
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<tr>
<td>AGED 340</td>
<td>Leadership Ethics &amp; Pluralism</td>
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<tr>
<td>AGED 360</td>
<td>Advanced Leadership Studies</td>
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<td>AGED 380</td>
<td>Leadership in Groups and Teams</td>
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<tr>
<td>AGED 400</td>
<td>Foundations of Ag &amp; Extn Ed</td>
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<td>AGED 430</td>
<td>Youth Development Programs</td>
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<tr>
<td>AGED 490</td>
<td>Adult Learning Principles</td>
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