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

program website: https://aged.illinois.edu/
program faculty: Agricultural Education Faculty (https://aged.illinois.edu/directory/faculty/)
overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/schools/aces/academic-units/#text)
college website: https://aces.illinois.edu/ (https://engineering.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 (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.

Prescribed Courses including Campus General Education

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<th>Hours</th>
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| Composition I and Speech | Select one of the following:  
RHET 105 & CMN 101 Writing and Research and Public Speaking (or equivalent (see college Composition I requirement))  
CMN 111 & CMN 112 Oral & Written Comm I and Oral & Written Comm II | 6-7   |
| Advanced Composition | Select from campus approved list. AGED 230 is recommended. | 3-4   |
| Cultural Studies | Select one Western cultures course, one non-Western cultures course and one U.S. minority cultures course from campus approved lists. | 9     |
| 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 | 3-5   |
| 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 | 3-4   |

Information listed in this catalog is current as of 04/2022
### Natural Sciences and Technology

- **CHEM 102**: General Chemistry I & CHEM 103: General Chemistry Lab I  
  - Hours: 4
- Physical science - select from campus approved list.  
  - Hours: 3-4
- **CPSC 112**: Introduction to Crop Sciences  
  - Hours: 4

### Humanities and the Arts

Select from campus approved list.  
- Hours: 6

### Social and Behavioral Sciences

- **ACE 100**: Introduction to Applied Microeconomics  
  - Hours: 4
- **PSYC 100**: Intro Psych  
  - Hours: 4

### ACES Required

- **ACES 101**: Contemporary Issues in ACES  
  - Hours: 2

### Agricultural Leadership and Science Education Required

- **AGED 100**: Intro to Ag & Leadership Ed  
  - Hours: 2
- **AGED 220**: Prog Del in Ag & Leadership Ed  
  - Hours: 3
- **AGED 230**:  
  - Hours: 3
- **AGED 421**: Teaching Strategies in AGED  
  - Hours: 3

### Required Concentration

- Hours: 42-55

### Total Hours

- Hours: 126

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*Not required for transfer students.*

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<td>Agricultural Science Education Concentration Required</td>
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| AGED 250 | Observation and Program Analys  
  |  |  | 2 |  
| AGED 350 | Early Field Experience  | 3  |
| AGED 420 | Curr Design & Instruction  | 3  |
| AGED 450 | Program Delivery and Eval  | 4  |
| CI 473 | Disciplinary Literacy  | 3  |
| EPS 201 | Foundations of Education  | 3-4  |
| or EPS 202 | Foundations of Education-ACP  |  
| EPSY 201 | Educational Psychology  | 3  |
| SPED 405 | General Educator’s Role in Special Education  | 3  |
| EDPR 442 | Educational Practice in Secondary Education  | 8  |
|      | Technical Subject Matter Required |       |
| ANSC 100 | Intro to Animal Sciences  | 4  |
| ACE 232 | Farm Management  | 3  |
| HORT 100 | Introduction to Horticulture  | 3  |
| FSHN 101 | The Science of Food and How it Relates to You  | 3  |
| TSM 100 |  | 3  |

Select one of the following:  
- AGED 260  
- AGED 280  
- AGED 340  
- AGED 360: Advanced Leadership Studies  
- AGED 380  
- AGED 400  
- AGED 430: Youth Development Programs  
- AGED 490: Adult Learning Principles