Agricultural Education

Information listed in this catalog is current as of 09/2018

AGRICULTURAL EDUCATION

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Major in Agricultural Leadership and Science Education

For the Degree of Bachelor of Science with a Major in Agricultural Leadership and Science Education

This 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/).

For the Degree of Bachelor of Science with a Major in Agricultural Leadership and Science Education

- Agricultural Leadership Education Concentration (http://catalog.illinois.edu/undergraduate/aces/ag-education/agricultural-leadership-education-concentration)
- Agricultural Science Education Concentration (http://catalog.illinois.edu/undergraduate/aces/ag-education/agricultural-science-education-concentration)

Prescribed Courses including Campus General Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHET</td>
<td>Writing and Research &amp; CMN 101 and Public Speaking (or equivalent) (see college Composition I requirement)</td>
<td>6-7</td>
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<tr>
<td>CMN</td>
<td>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: 3-5

- 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: 3-4

- 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 4
- & CHEM 103 and 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

- ACE 101 Contemporary Issues in ACES 2

Agricultural Leadership and Science Education Required

- AGED 100 Intro to Ag & Leadership Ed 1 2
- AGED 220 Prog Del in Ag & Leadership Ed 3
- AGED 230 Leadership Communications 3
- AGED 421 Teaching Strategies in AGED 3

Total Hours 126

1 Not required for transfer students.

AGED Class Schedule (https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/AGED)

Courses

- AGED 100 Intro to Ag & Leadership Ed credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/AGED/100)
  Overview of agricultural and leadership education career pathways in school and non-school settings, including extension, corporate and government sectors, and international and industry organizations. Includes overview of certification requirements, professional development, and current issues for agricultural education professionals.

- AGED 199 Undergraduate Open Seminar credit: 1 to 5 Hours. (https://courses.illinois.edu/schedule/terms/AGED/199)
  An experimental course on a special topic in agricultural education. May be repeated in the same or separate terms as topics vary to a maximum of 12 hours.

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AGED 220  Prog Del in Ag & Leadership Ed  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/220)
Introduces formal and non-formal methods used to deliver education and training in agricultural and leadership education programs. Focuses on types and purposes of agricultural education, program components, principles of teaching and learning, community relationships, and reflective teaching. Technology-supported lab component provides skills needed to develop teaching and training materials.

AGED 230  Leadership Communications  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/230)
Application of communication skills used in the dissemination of information by public or organizational leaders in contemporary times. Founded on empirical leadership studies and through use of experiential learning activities, presentations, projects, and examinations, students will consider how identity and the setting impact what they write, say, and do when communicating a message.

This course satisfies the General Education Criteria for: Advanced Composition
Social Beh Sci - Soc Sci

AGED 250  Observation and Program Analys  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/AGED/250)
Early field experience in agricultural education, including observation and analysis activities in public schools, extension programs, or other selected settings; participation in clinical field experience activities; examination of educational program development and operation, teaching and learning processes, contextual factors in learning, evaluation of student learning; and professionalism. Approximately 45 hours of early field experience will be acquired. Off-campus observation begins the first week of January. Agricultural education programs in both school and non-school settings are examined. Prerequisite: AGED 220; concurrent enrollment in EDPR 203.

AGED 260  Intro to Leadership Studies  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/260)
Study of leadership theories and their application to the development of leadership skills. Students develop a personal philosophy of leadership, prepare a development plan for enhancing leadership skills, and begin a portfolio to record their leadership growth. Explores topics concerning diversity, ethics, and leadership/follower roles.

This course satisfies the General Education Criteria for: Social Beh Sci - Soc Sci

AGED 280  Training Needs Assessment  credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/AGED/280)
Students in this course will be equipped to analyze an employee and/or organization's performance to determine the training needs for a business or organization. Helps learners determine whether or not training is the solution to a job performance problem.

AGED 293  Ag Leadership Internship  credit: 1 to 6 Hours. (https://courses.illinois.edu/schedule/terms/AGED/293)
Supervised off-campus experience in a field directly pertaining to subject matter in agricultural leadership education. Approved for S/U grading only. May be repeated in the same or subsequent terms to a maximum of 12 hours.

AGED 295  Independent Study or Research  credit: 1 to 4 Hours. (https://courses.illinois.edu/schedule/terms/AGED/295)
Individual research, special problems, thesis, development and/or design work under the supervision of an appropriate member of the faculty. May be repeated in the same or subsequent terms.

AGED 300  Training and Development  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/AGED/300)
Students will learn to assess, design, develop, implement, and evaluate a training program in agricultural and non-agricultural industries. Topics will emphasize the theory of training and development, methods of assessing training needs and learning styles, design of effective training, presentation skills, and program evaluation. Different types of training programs will be examined, including orientation, skills training, team building, management development, and diversity training. Students will create and present a training program for an actual client utilizing the training design process. Prerequisite: AGED 280.

AGED 310  Prof Dev in Leadership Ed  credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/AGED/310)
Provides agricultural leadership education students with non-formal professional experiences prior to enrollment in the student internship. A minimum of 32 hours of observation and participatory experiences with professionals in extension/outreach, business and industry, political and/or communications/human resources are required for satisfactory completion of this class.

AGED 340  Leadership Ethics & Pluralism  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/340)
Theory and research in leadership ethics and multicultural competence in a leadership context. Students will examine the underpinning of multiculturalism and identity development, and how both affect leadership practice. Also explores issues of power, oppression, privilege and the responsibilities of leadership. Integrates both ethics and multiculturalism through the examination of cases that include topics such as globalization, immigration, etc. Prerequisite: AGED 260. This course satisfies the General Education Criteria for: Cultural Studies - US Minority

AGED 350  Early Field Experience  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/350)
Supervised experience during the summer months and fall semester including: supervision of students' agricultural experience programs and projects; development of problem-solving and decision-making skills related to use of instructional technologies, management of FFA activities, and supervision of agricultural experiences; review of teacher certification requirements and application for teacher certification; development of online teacher certification portfolio meeting state, UIUC, and program requirements. A minimum of 50 hours or early field observation is required. Prerequisite: AGED 250.

AGED 360  Advanced Leadership Studies  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/360)
Examines current and emerging leadership theories and their practical application in real-world settings. Continues exploration of advanced leadership theories begun in AGED 260, and includes opportunities for self-assessment and person leadership development. Prerequisite: AGED 260. This course satisfies the General Education Criteria for: Social Beh Sci - Soc Sci

AGED 380  Leadership in Groups and Teams  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/AGED/380)
Theory and practice of group and team leadership, including leadership assessment, group dynamics, group process, goal-setting, conflict management and resolution, leadership skill development, and case study analyses. Students engage in group activities throughout the semester. Prerequisite: AGED 260 and completion of the General Education Composition I requirement.
Prerequisite: AGED 220, or HDFS 105, or PSYC 100.
at-risk initiatives. 3 or 4 undergraduate hours. 3 or 4 graduate hours.
development programs; and examining research and practice in youth-
and procedures for developing, coordinating, and implementing youth
courses.illinois.edu/schedule/terms/AGED/430)
AGED 430   Youth Development Programs   credit: 3 or 4 Hours.
AGED 421   Teaching Strategies in AGED   credit: 3 Hours.
AGED 420 for majors; consent of instructor for non-majors.
Concurrent enrollment in EDPR 203.
AGED 420   Curr Design & Instruction   credit: 3 Hours.
AGED 410   Grad Early Field Experience   credit: 2 Hours.
AGED 400   Foundations of Ag & Extn Ed   credit: 3 Hours.
AGED 400 or graduate standing.
Prerequisite: AGED 260 or graduate standing.
Prerequisite: AGED 220 for majors; consent of instructor for non-majors.
AGED 421   Teaching Strategies in AGED   credit: 3 Hours.
AGED 410   Grad Early Field Experience   credit: 2 Hours.
AGED 400   Foundations of Ag & Extn Ed   credit: 3 Hours.
AGED 450   Program Delivery and Eval   credit: 4 Hours.
AGED 450 Students complete this course during their twelve-week practice teaching
or internship experience. Written assignments will focus on development of
teaching plans, program initiation and improvement plans, and actual
evaluation studies of agricultural education programs. Instruction will
be provided during on-site faculty visits and by cooperating personnel. 4
undergraduate hours. 4 graduate hours. Prerequisite: AGED 420.
AGED 451   Professional Dev in Ag Ed   credit: 2 Hours.
AGED 451 Analysis of teaching and learning processes, program evaluation and
improvement strategies, curriculum development and modification,
professional development, facility development, using community
resources, program management, and discussion of trends and issues
in agricultural education. 2 undergraduate hour. 2 graduate hour.
Prerequisite: Senior standing.
AGED 460 Advanced Leadership Studies credit: 1 or 4 Hours.
AGED 460 This course will focus on understanding and then applying the
Adaptive Leadership Model in relevant executive and supervisory
contexts in professional organizations (industry, non-profit, community
development). Enrolled students will have the opportunity to examine
current cases of both adaptive and technical challenges facing
agriculturally-focused organizations, as well as research and examine
cases they choose themselves. The overarching goal of this course is to
provide students the opportunity to practice skills relevant for leading
fast-paced complex organizations in agriculture using the Adaptive
Leadership Model. No undergraduate credit. 1 or 4 graduate hours.
Prerequisite: AGED 260 or graduate standing.
AGED 480 Collaborative Leadership credit: 3 or 4 Hours.
AGED 480 Leadership operates within the context of community. The course will
teach the research, theory, and practice of building effective community
collaborations to deal with complex societal issues. A collaborative
framework will be delivered by which students apply their knowledge of
person, organizational, and community leadership to real-world problems.
3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: AGED 260 or
equivalent.
AGED 490 Adult Learning Principles credit: 3 or 4 Hours.
AGED 490 Theory and practice of adult learning including: overview of teaching and
learning theory related to adults; core adult learning principles; individual
and situational learning differences; goals and purposes for learning; and
the future of adult learning. 3 undergraduate hours. 4 graduate hours.
AGED 499 Seminar credit: 1 to 4 Hours.
AGED 499 Special topics in agricultural education. 1 to 4 undergraduate hours. 1 to
4 graduate hours. May be repeated in the same or subsequent terms to a
maximum of 12 undergraduate or graduate hours as topics vary.