



University of Illinois Agricultural Education Program

Undergraduate Degree Course Requirements

Last updated: 04/09/14

This document outlines information 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 licensure 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/>).

General Education Requirements

<input checked="" type="checkbox"/>	Hours	Composition I and Speech
	4	RHET 105 – Principles of Composition or Equivalent (<i>see college Comp I requirement</i>) AND
	3	CMN 101 – Public Speaking OR
	3	CMN 111 – Oral and Written Communication I AND
	3	CMN 112 – Oral and Written Communication II

<input checked="" type="checkbox"/>	Hours	Advanced Composition
	3	AGED 230 Leadership Communications

<input checked="" type="checkbox"/>	Hours	Cultural Studies
	3	Western/Comparative Minority Course
	3	Non-Western/U.S. Minority Course

<input checked="" type="checkbox"/>	Hours	Foreign Language
		Coursework at or above the third level is required for graduation

<input checked="" type="checkbox"/>	Hours	Quantitative Reasoning I (<i>select one; 3-5 hours each</i>)
	4-5	MATH 124 – Finite Mathematics MATH 220 – Calculus MATH 221 – Calculus I OR MATH 234 – Calculus for Business I

General Education Requirements (*continued*)

✓	Hours	Quantitative Reasoning II
	3-4	Statistics Course Select from ACE 261, CPSC 241, ECON 202, MATH 161, PSYC 235, SOC 280, or STAT 100

✓	Hours	Natural Sciences and Technology
	3	CHEM 102 – General Chemistry I AND
	1	CHEM 103 – General Chemistry Laboratory I
	3	Physical Sciences (<i>FSHN 101 – Intro Food Science & Nutrition OR FSHN 120 – Contemporary Nutrition (for ALE majors); Also meets one Technical Subject Matter requirement</i>)
	3-5	Life Sciences (<i>select from approved campus list; several plant, animal, biofuels, biotech courses</i>)

✓	Hours	Humanities and the Arts
	3	<i>Select from approved campus list</i>
	3	<i>Select from approved campus list</i>

✓	Hours	Social and Behavioral Sciences
	4	ACE 100 – Agricultural Consumer and Resource Economics
	4	PSYC 100 – Intro to Psychology

✓	Hours	ACES Required
	2	ACES 101 – Contemporary Issues in ACES (<i>for freshmen students</i>)
	0	ACES 200 – ACES Transfer Orientation (<i>for off-campus transfer students</i>)

✓	Hours	Agricultural Leadership and Science Education Required
	2	AGED 100 – Introduction to Ag and Leadership Education (FR – FALL or SPRING) (<i>freshman only</i>)
	3	AGED 220 – Principles of Ag Education (SO or JR for ALE; JR for ASE – FALL)
	3	AGED 230 – Leadership Communications (SO or JR – FALL)
	2	AGED 421 – Teaching Strategies in Agricultural Education (SR – FALL)
	1	AGED 451 – Professional Development in Agricultural Education (SR – SPRING)

Agricultural Science Education Concentration – Undergraduate Students

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. Students enrolled in this concentration cannot receive a grade lower than a “C” in any of the courses listed below.**

Review procedures are provided by the Council on Teacher Education (CoTE).

<input checked="" type="checkbox"/>	Hours	Agricultural Science Education Concentration Required
	4	AGED 250 – Observation and Program Analysis (JR – SPRING) <i>(via enrollment in AGED 250, students are concurrently enrolled in EDPR 203) (JR – SPRING)</i>
	3	AGED 350 – Early Field Experience (SR – FALL)
	3	AGED 420 – Curriculum Design and Instruction (JR – SPRING)
	3	AGED 450 – Program Delivery and Evaluation (SR – SPRING)
	1	CI 473 – Literacy in Content Areas (SO or JR – SPRING ONLY)
	3	EPS 201 – Foundations of Education
	3	EPSY 201 – Educational Psychology (JR – FALL)
	1	SPED 205 – Introduction to Special Needs (SR – FALL)
	2	SPED 405 – General Educator’s Role in SPED (SR – FALL)
	8	EDPR 442 – Education Practice in Secondary Education (SR – SPRING)
<input checked="" type="checkbox"/>	Hours	Technical Subject Matter Required
	3	ACE 231 – Food and Agribusiness Management (SPRING ONLY)
	4	ANSC 100 – Intro to Animal Sciences
	4	CPSC 112 – Introduction to Crop Sciences
	3	HORT 100 – Introduction to Horticulture
	3	FSHN 101 – Intro Food Science and Nutrition <i>(also meets Natural Science and Technology Requirement)</i>
	3	TSM 100 – Technical Systems in Agriculture
	3	<i>Select one course from:</i>
		AGED 260 – Introduction to Leadership
		AGED 280 – Training Needs Assessment
		AGED 340 – Leadership Ethics and Pluralism
		AGED 360 – Advanced Leadership Studies
		AGED 380 – Leadership in Groups and Teams
		AGED 400 – Foundations of Agriculture and Extension Education
		AGED 430 – Youth Development Programs
		AGED 490 – Adult Learning Principles
	12	ACES Electives (200 level or higher)
	126	TOTAL HOURS

Agricultural Leadership Education Concentration – Undergraduate Students

The Agricultural Leadership Education concentration prepares students for educational leadership, training and outreach positions in agricultural, extension, community and governmental agencies. Coursework focuses on designing educational/training programs, making professional presentations, leadership development, teaching/training methods and interpersonal communications. A 10-week business/agency summer internship is required. The curriculum provides the flexibility for students to specialize in a chosen area of agriculture.

<input checked="" type="checkbox"/>	Hours	Agricultural Leadership Education Concentration Required
	3	AGED 260 – Intro to Leadership Studies
	2	AGED 280 – Training Needs Assessment (FALL ONLY)
	6	AGED 293 – Ag Leadership Internship
	4	AGED 300 – Training and Development (JR – SPRING ONLY)
	3	AGED 310 – Professional Development in Leadership Education (SPRING ONLY)
	3	AGED 340 – Leadership Ethics and Pluralism (FALL ONLY)
	3	AGED 360 – Advanced Leadership Studies (SPRING ONLY)
	3	AGED 480 – Collaborative Leadership (SR – SPRING ONLY)
	3	EPSY 201 – Educational Psychology
<input checked="" type="checkbox"/>	Hours	Technical Subject Matter Required
	3	ACE 231 – Food and Agribusiness Management (SPRING ONLY)
	4	ANSC 100 – Intro to Animal Sciences
	4	CPSC 112 – Introduction to Crop Sciences
	3	HORT 100 – Introduction to Horticulture
	3	FSHN 101 – Intro Food Science & Nutrition OR FSHN 120 – Contemporary Nutrition (also meets Physical Science component in Natural Science and Technology Requirement)
	3-4	Select one course from:
		AGED 380 – Leadership in Groups and Teams (FALL ONLY)
		AGED 400 – Foundations of Ag & Extension
		AGED 430 – Youth Development Programs (SPRING ONLY)
		AGED 490 – Adult Learning Principles
		BADM 310 – Management and Organizational Behavior
	12	ACES Electives (200 level or higher)
	126	TOTAL HOURS