

CAREER PROGRAMS IN AGRICULTURAL EDUCATION

CAREER CLUSTER	Agriculture, Food and Natural Resources (AFNR)	Agriculture, Food and Natural Resources	Agriculture, Food and Natural Resources	Agriculture, Food and Natural Resources	Agriculture, Food and Natural Resources
CIP CODE	01.0000	01.0101	01.0201	01.0601	03.0101
PROGRAM TITLE (PATHWAY)	<u>Agricultural Science (General)</u>	<u>Agricultural Business & Management</u>	<u>Agricultural Mechanization & Technology</u>	<u>Horticulture</u>	<u>Natural Resources Conservation Management</u>
GROUP 1: FOUNDATIONAL COURSES 1 (Minimum Selection: 1)					
FOUNDATIONAL COURSES	<u>Introduction to the Agricultural Industry</u>	<u>Introduction to the Agricultural Industry</u>	<u>Introduction to the Agricultural Industry</u>	<u>Introduction to the Agricultural Industry</u>	<u>Introduction to the Agricultural Industry</u>
	<u>Basic Agricultural Science</u>	<u>Basic Agricultural Science</u>	<u>Basic Agricultural Science</u>	<u>Basic Agricultural Science</u>	<u>Basic Agricultural Science</u>
			<u>Basic Agricultural Mechanics</u>	<u>Basic Horticultural Science</u>	<u>Basic Horticultural Science</u>
	<u>^ Supervised Agricultural Experience I</u>	<u>^ Supervised Agricultural Experience I</u>	<u>^ Supervised Agricultural Experience I</u>	<u>^ Supervised Agricultural Experience I</u>	<u>^ Supervised Agricultural Experience I</u>
GROUP 2: SKILL COURSES (Minimum Selection 1)					
SKILL COURSES	<u>Agricultural Biotechnology</u>	<u>Agricultural Business & Management</u>	<u>Agricultural Construction & Technology</u>	<u>Greenhouse Production & Floral Design</u>	<u>Natural Resources Conservation Management</u>
	<u>Agronomy</u>	<u>Agricultural Sales & Marketing</u>	<u>Agricultural Machinery Service</u>	<u>Horticultural Production & Management</u>	<u>Environmental Science</u>
	<u>Animal Science</u>		<u>Agricultural Mechanics & Technology</u>	<u>Landscaping & Turf Management</u>	
	<u>Aquacultural Science & Technology</u>		<u>Agricultural Metal Fabrication</u>		
	Biological Science Applications in Agriculture – <u>Plant & Animal Science</u>		<u>Physical Science Applications in Agriculture</u>		
	<u>Food Science Technology</u>				
	<u>Veterinary Technology</u>				
GROUP 3: ADDITIONAL PROGRAM COURSES					
ADDITIONAL PROGRAM COURSES	<u>Agricultural Communications & Leadership</u>	<u>Agricultural Communications & Leadership</u>	<u>Agricultural Communications & Leadership</u>	<u>Agricultural Communications & Leadership</u>	<u>Agricultural Communications & Leadership</u>
	<u>Agricultural Business & Management</u>	<u>Agricultural Mechanics & Technology</u>	<u>Agricultural Business & Management</u>	<u>Agricultural Business & Management</u>	<u>Agricultural Business & Management</u>
	<u>Environmental Science</u>	Biological Science Applications in Agriculture – <u>Plant & Animal Science</u>	Biological Science Applications in Agriculture – <u>Plant & Animal Science</u>	Biological Science Applications in Agriculture – <u>Plant & Animal Science</u>	Biological Science Applications in Agriculture – <u>Plant & Animal Science</u>
	<u>Physical Science Applications in Agriculture</u>	<u>Physical Science Applications in Agriculture</u>		<u>Physical Science Applications in Agriculture</u>	<u>Physical Science Applications in Agriculture</u>
	<u>Cooperative Education</u> (Interrelated or Agriculture specific)	<u>Cooperative Education</u> (Interrelated or Agriculture specific)	<u>Cooperative Education</u> (Interrelated or Agriculture specific)	<u>Cooperative Education</u> (Interrelated or Agriculture specific)	<u>Cooperative Education</u> (Interrelated or Agriculture specific)
	<u>^ Supervised Agricultural Experience II</u>	<u>^ Supervised Agricultural Experience II</u>	<u>^ Supervised Agricultural Experience II</u>	<u>^ Supervised Agricultural Experience II</u>	<u>^ Supervised Agricultural Experience II</u>

^ SAE courses are aligned with state course number 18998A002. An SAE course cannot be the first introductory course for a beginning student.

A quality program delivers all required elements* and a variety of additional elements. CTE program elements include: a sequence of courses* each educational entity offering approved courses provides assurance that the course content follows at a minimum the state course outline*, (State suggested course outline is available at (http://www.isbe.net/career/html/cte_ag_ed.htm), meets the state's minimum requirements for course offerings by program contain a minimum of two (2) credits of instruction*, curriculum aligned to state recognized learning standards and industry standards, career pathway guidance, resources to support program/course delivery (licensed and qualified staff, appropriate facilities, adequate equipment, instructional materials, work-based learning experiences, special populations support services, active affiliated FFA chapter), articulation/dual credit agreements, documentation of state agency certification or licensing requirements for occupations regulated by law or licensure, and content which prepare students for reflective of current labor and opportunity for cooperative education as a structured capstone course. Foundational courses are suggested to be taught at the 9th and 10th grade levels. Skill level courses are suggested to be taught at the 10th – 12th grade levels.

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For approval purposes, each program (CIP or pathway) must contain the following:

- Teach at least one course from Group 1.
- Teach at least one course from Group 2.
- All courses offered per program (CIP or pathway) must add to a minimum of 2 credits.
- When students are awarded directed independent study credit for supervised agricultural experience [(SAE) - see ^ on front page] in addition to regular agricultural education courses, the credit may vary from ¼ to 1 credit depending upon the project expectations/requirements.
- Credits for SAE courses do not apply toward meeting the minimum program approval criteria because of their complementary nature.

The following program approval criteria apply:

- Courses must be taught, not just offered as an option in the district course guide for approval purposes. Courses may be taught on an every other year or similar rotational basis. A minimum of one foundation course credit and one skill course credit must be taught every year for agricultural education program approval.
- Once minimum program approval criteria have been met for a given program sequence, all appropriate courses within the approved sequence are fundable provided the course descriptions have been submitted to the respective EFE system office for entry into the course approval system and matched to the appropriate state approved course.

Minimum program approval criteria for an agricultural education program include: an appropriately licensed instructor, at least one approvable program (CIP/pathway) sequence of courses, an active FFA chapter, and SAE instruction incorporated into the program.
- Prior to a new local agricultural course being offered, contact the FCAE Program Advisor and the local EFE System Director to match the local course to the appropriate state approved course. In the event a local course does not match to the state course, then contact the Agricultural Education Principal Consultant at the Illinois State Board of Education (Harley Hepner, 217-524-4832 or hhepner@isbe.net) for further guidance.
- Students are encouraged to explore and complete a program sequence (pathway) as approved. However, students may choose to move through the courses in other than the recommended sequence. This may occur when there are scheduling conflicts or when, because of innovative scheduling, students have the opportunity to take additional courses.