

CAREER PROGRAMS IN AGRICULTURE, FOOD, AND NATURAL RESOURCES

CIP	01.0101	01.0901	01.0000	15.0507	01.0401	03.0101	01.0601	01.0201
	Agribusiness Systems	Animal Systems	Biotechnology Systems	Environmental Service Systems	Food Products and Processing Systems	Natural Resource Systems	Plant Systems	Power, Structural and Technical Systems
GROUP 1: ORIENTATION COURSES (Minimum Selection: One course from Group 1 or 2)								
Orientation Courses	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>	Exploring Food & Agriculture <i>(Rename)</i>
	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>	Principles of AFNR <i>(New)</i>
	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>	STEM In AFNR <i>(New)</i>
	Career Exploration	Career Exploration	Career Exploration	Career Exploration	Career Exploration	Career Exploration	Career Exploration	Career Exploration

GROUP 2: INTRODUCTORY COURSES								
Introductory Courses	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry	Introduction to the Agricultural Industry
	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)	Foundational Supervised Agricultural Experience (SAE)
	Basic Agricultural Science	Basic Agricultural Science	Basic Agricultural Science	Basic Agricultural Science	Basic Agricultural Science	Basic Agricultural Science	Basic Agricultural Science	Basic Agricultural Science
	Basic Agricultural Business	Basic Animal Science	Basic Biotechnology	Basic Environmental Science	Basic Food Processing	Basic Natural Resource Management	Basic Horticultural Science	Basic Agricultural Mechanics
	Applied Mathematics in Agriculture <i>(New)</i>	Agricultural Biology <i>(New)</i>	Agricultural Biology <i>(New)</i>	Agricultural Biology <i>(New)</i>	Agricultural Biology <i>(New)</i>	Agricultural Biology <i>(New)</i>	Agricultural Biology <i>(New)</i>	Applied Mathematics in Agriculture <i>(New)</i>
		BSAA -- Animals		Basic PSAA <i>(Rename)</i>			BSAA – Plants	Basic PSAA <i>(Rename)</i>

GROUP 3: SKILLS COURSE (Minimum Selection: One course from Group 3)								
Skills Courses	Agricultural Business Management	Animal Science	Agricultural Biotechnology	Environmental Science	Food Science	Natural Resources Conservation Management	Horticultural Production & Management	Advanced Agricultural Mechanics
	Agricultural Sales and Marketing	Veterinary Science	Agricultural and Biological Engineering (ABE)	Water Treatment	Animal Processing	Wildlife Management	Landscape Construction & Maintenance <i>(New)</i>	Agricultural Construction
	Agricultural Communications	Service and Support Animal Training			Plant Processing	Hunter Safety	Landscape Design & Management <i>(Rename)</i>	Agricultural Welding
	Agricultural Economics	Advanced BSAA			Community Food Production	Forestry	Greenhouse Production	Agricultural Metal Fabrication
	Global Agriculture	Advanced BSAA Animals				Urban Forestry	Crop Science <i>(Rename)</i>	Agricultural Engineering
	Agricultural Entrepreneurship						Urban Agriculture	Agricultural Engine Maintenance
							Advanced BSAA	Agricultural Electrical Systems
							Advanced BSAA Plants	

GROUP 4: ADVANCED COURSES (Optional)								
Advanced Courses	Agribusiness Systems Independent Study	Animal Systems Independent Study	Biotechnology Systems Independent Study	Environmental Service Systems Independent Study	Food Products and Processing Systems Independent Study	Natural Resource Systems Independent Study	Plant Systems Independent Study	Power, Structural and Technical Systems Independent Study
	GAST Independent Study (New)	GAST Independent Study (New)	GAST Independent Study (New)	GAST Independent Study (New)	GAST Independent Study (New)	GAST Independent Study (New)	GAST Independent Study (New)	GAST Independent Study (New)
	Agricultural Computers and Technology	Agricultural Computers and Technology	Agricultural Computers and Technology	Agricultural Computers and Technology	Agricultural Computers and Technology	Agricultural Computers and Technology	Agricultural Computers and Technology	Agricultural Computers and Technology
	Agricultural Leadership	Agricultural Leadership	Agricultural Leadership	Agricultural Leadership	Agricultural Leadership	Agricultural Leadership	Agricultural Leadership	Agricultural Leadership
	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)	Current Issues in Agriculture, Food & Natural Resources (New)
	Agricultural Commodity Marketing	Drone Operation and Maintenance (New)	Drone Operation and Maintenance (New)	Drone Operation and Maintenance (New)	Drone Operation and Maintenance (New)	Drone Operation and Maintenance (New)	Drone Operation and Maintenance (New)	Drone Operation and Maintenance (New)
	Agricultural Government	Animal Nutrition	Sustainable Agriculture	Soil Science	Sustainable Agriculture	Soil Science	Turfgrass and Sports Field Management	Agricultural Machinery Service
	Agricultural Finance & Accounting (New)	Animal Genetics	Integrated Pest Management	Alternative Energy	Aquaculture Science	Alternative Energy	Floral Design & Marketing (Rename)	Advanced Agricultural Welding
	Agricultural Operations & Supply Management (New)	Small Animal Care	Soil Science	Precision Agriculture	Food Manufacturing & Management (New)	Aquaculture Science	Sustainable Agriculture	Advanced Agricultural Engine Maintenance
	Agritourism Management (New)	Large Animal Care	Biotechnical Engineering	Sustainable Agriculture		Outdoor Park & Recreational Management (New)	Specialty Crop Production	Biotechnical Engineering
		Equine Science		Advanced Environmental Science & Issues (New)			Integrated Pest Management	Precision Agriculture
		Aquaculture Science and Technology		Outdoor Park & Recreational Management (New)			Soil Science	Advanced PSAA (Rename)
		Advanced Veterinary Science (New)		Biotechnical Engineering			Aquaculture Science	Advanced Agricultural Construction (New)
				Advanced PSAA (Rename)			Viticulture	Advanced AMA Structures (New)
							Fruit and Vegetable Production (New)	

GROUP 5: WORKPLACE EXPERIENCE COURSES								
WPE	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience	Agriculture, Food & Natural Resources Workplace Experience
	GAST Workplace Experience (New)	GAST Workplace Experience (New)	GAST Workplace Experience (New)	GAST Workplace Experience (New)	GAST Workplace Experience (New)	GAST Workplace Experience (New)	GAST Workplace Experience (New)	GAST Workplace Experience (New)
	Agribusiness Systems Workplace Experience	Animal Systems Workplace Experience	Biotechnology Systems Workplace Experience	Environmental Service Systems Workplace Experience	Food Products and Processing Systems Workplace Experience	Natural Resource Systems Workplace Experience	Plant Systems Workplace Experience	Power, Structural and Technical Systems Workplace Experience

A quality CTE (Career and Technical Education) program delivers all required elements of Illinois' definition of Size, Scope, Quality. CTE program elements include: a sequence of courses, each educational entity offering approved courses provides assurance that the course content includes at a minimum the State course description, meets the State's minimum requirements for course offerings by program, curriculum aligned to state recognized learning standards & industry standards, career pathway guidance, resources to support program/course delivery (licensed & qualified staff, appropriate facilities, adequate equipment, instructional materials, work-based learning experiences, special populations support services, an active affiliated CTSO (Career and Technical Student Organization) 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 & opportunity for workplace experience or a structured capstone course. Orientation courses are suggested to be taught at the prior-to-secondary or 9th-grade levels. Introductory level courses are suggested to be taught at the 9th-11th grade level. Skill-level courses are suggested to be taught at the 10th – 12th-grade levels. Workplace Experience Courses are suggested to be taught at the 12th-grade level.