

# Agriculture, Food and Natural Resources



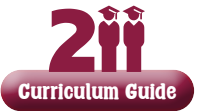
## ILLINOIS CAREER PATHWAY



## NATIONAL CAREER CLUSTERS

### Agriculture, Food and Natural Resources

View all course descriptions and prerequisite requirements in the



## PATHWAY ADDITIONS

### Additional Courses to Consider

English writing & communication, Math courses and electives should be reviewed with your teachers/counselors to align best with your interests. Some classes may have prerequisite requirements.

#### World Languages

**Certifications:** Seal of Biliteracy

#### Clubs and Activities

- Business Professionals of America (BPA)
- Culinary Arts Club
- Environmental/Ecology Club
- Future Career & Community Leaders of America (FCCLA)
- Health Occupations Student Association (HOSA)
- Horticulture Club
- Outdoor Adventure Club
- Science Club

## PATHWAY CAREER COURSES

### Agribusiness Systems

**Certifications:** QuickBooks, Microsoft Office Specialist, Entrepreneurship and Small Business Management

Course	Department
Business Explorations Technology Applications*	Business
Business Management*	
Business Law	
Accounting Financial*/Managerial	
QuickBooks*	
Business Incubator* (Entrepreneurship)	
Environmental Studies*	Science

### Food Products and Processing Systems

**Certifications:** Illinois Food Handlers Certificate, ServSafe® Manager's Certification

Course	Department
Culinary Arts*	Family & Consumer Sciences
Practices in Entrepreneurship*	
Food & Nutrition Science*	
Chemistry*	Science

### Environmental Service Systems Power, Structural and Technical Systems

Course	Department
Biology* <sup>▲</sup>	Science
Geography <sup>▲</sup>	
Earth Science	
Chemistry <sup>▲</sup>	
Environmental Studies <sup>▲</sup>	
Physics <sup>▲</sup>	
Engine & Power Technology	Applied Technology
Electronic Technology*	
Automotive Technology*	
Principles of Engineering	
Bioengineering & Environmental Sustainability	

\*Dual Credit | <sup>▲</sup>Advanced Placement

## PATHWAY CAREER OPTIONS

### ► Certificates/Associates Degree

- Agricultural Equipment Operators
- Agricultural Inspectors
- Agricultural Managers
- Agricultural Product Graders & Sorters
- Animal Breeders
- Animal Trainers
- Butchers and Meat Cutters
- Chemical Technicians
- Commercial Divers
- Continuous Mining Machine Operators
- Conveyor Operators and Tenders
- Earth Drillers
- Explosives Workers
- Fallers
- Farm Equipment Mechanics and Service Technicians
- Farm Labor Contractors
- Farm, Ranch, and Aquaculture Animal Farmworkers
- Farmworkers
- Fishing and Hunting Workers
- Floral Designers
- Food Batchmakers
- Food Cooking Machine Operators and Tenders
- Forest and Conservation Technicians

- Gas Compressor and Gas Pumping Station Operators
- Gas Plant Operators
- Geothermal Production Managers
- Geothermal Technicians
- Hazardous Materials Removal Workers
- Helpers for Extraction Workers
- Industrial Production Managers
- Industrial Truck and Tractor Operators
- Landscaping and Groundskeeping Workers
- Log Graders and Scalars
- Logging Equipment Operators
- Machine Operators and Tenders for Roasting, Baking, and Drying Food and Tobacco
- Meat, Poultry, and Fish Cutters & Trimmers
- Mining Excavating Machine and Dragline Operators
- Mining Loading and Moving Machine Operators
- Mobile Heavy Equipment Mechanics
- Nonfarm Animal Caretakers
- Oil and Gas Derrick Operators
- Oil and Gas Rotary Drill Operators
- Oil and Gas Roustabouts
- Oil, Gas, and Mining Service Unit Operators

- Pest Control Workers
- Pesticide Handlers, Sprayers, & Applicators
- Petroleum Pump System Operators, Refinery Operators, and Gaugers
- Pump Operators
- Quarry Rock Splitters
- Recycling and Reclamation Workers
- Recycling Coordinators
- Refuse and Recyclable Material Collectors
- Roof Bolters
- Slaughterers and Meat Packers
- Supervisors of Construction Trades and Extraction Workers
- Supervisors of Farming, Fishing, and Forestry Workers
- Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers
- Tank Car, Truck, and Ship Loaders
- Tree Trimmers and Pruners
- Veterinary Assistants and Laboratory Animal Caretakers
- Veterinary Technologists and Technicians
- Water and Wastewater Treatment Plant and System Operators
- Wellhead Pumps

- Wholesale and Manufacturing Sales Representatives for Technical and Scientific Products
- Wind Energy Operations Managers
- Bachelor's Degree or Higher
- Agricultural Technicians
- Animal Scientists
- Biofuels Production Managers
- Biomass Power Plant Managers
- Brownfield Redevelopment Specialists and Site Managers
- Conservation Scientists
- Environmental Compliance Inspectors
- Environmental Engineering Technicians
- Environmental Engineers
- Environmental Science Technicians
- Environmental Scientists and Specialists
- Farm and Home Management Educator
- Farm Product Buyers and Purchasing Agents
- Fish and Game Wardens
- Food Scientists and Technologists
- Forest and Conservation Workers
- Foresters
- Geological Technicians
- Hydrologic Technicians
- Natural Sciences Managers
- Occupational Health and Safety

- Technicians
- Park Naturalists
- Precision Agriculture Technicians
- Range Managers
- Soil and Plant Scientists
- Veterinarians
- Wind Energy Development Managers
- Zoologists and Wildlife Biologists



To learn more about pathway career options, complete the Interest Profiler in [Maia Learning](#). Add your favorites ♥ to your career list!