



**TOUCH EVERY CORNER OF THE GLOBE WITH A CAREER IN AGRICULTURE**



Start your journey with Eastern Iowa Community Colleges'

# Agriculture Academy

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## AGRICULTURE IS...

- ▶ Cultivating plants and animals for food, fiber, and fuel
- ▶ Collecting and analyzing data
- ▶ A multi-billion dollar industry
- ▶ Fast paced and high tech
- ▶ Constantly innovating and creating new, in-demand jobs

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## AGRICULTURE CAREERS PROVIDE...

- ▶ Competitive pay
- ▶ Job security
- ▶ Limitless opportunity
- ▶ The chance to make a difference

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## CAREERS IN AGRICULTURE

### Agricultural Engineer

Seek to improve current farming methods and design new farm equipment using computer-aided technology. Ag Engineers also use weather data and GPS to advise farmers and businesses on land use, assessing the impact of the current processes on crops and the surrounding environment.

### Agricultural Economist

Analyze economic data to find and determine trends in economic activity, such as why shoppers make certain decisions about the food they buy and how the government chooses to support farmers.

### Agricultural Salesperson

Sell machinery, animal feed, fertilizers, and seed to farmers. Ag salesmen need to be able to listen to the needs of the farmer, and then recommend the correct products to suit their requirements.

### Soil and Plant Scientist

Test the composition of the soil and assess how it affects plant growth, researching alternative methods of growing crops in order to maximize efficiency.

### Commercial Horticulturalist

Monitor the entire production process—overseeing the growing, harvesting, packaging, distribution, and selling of food, crops, and plants.

### Veterinary Technician

Assist licensed veterinarians in procedures and tasks to meet the needs of sick and healthy animals. Vet techs use medical knowledge and clinical skills to provide routine and emergency nursing care.

### Farmer, Rancher, or Agricultural Manager

Run farmsteads that produce crops, livestock, or dairy products. Take care of day-to-day operations by supervising all steps of production such as planting, fertilizing, harvesting, and herding.



**EASTERN IOWA COMMUNITY COLLEGES**  
**CLINTON ♦ MUSCATINE ♦ SCOTT**

**THE *Community's College***

You deserve  
**MORE**

# Agriculture Academy

## DURING HIGH SCHOOL

*All courses taken at the college*

**PART 1: Foundations of Agriculture**

### TERM 1: Fall, junior or senior year of high school, 6.5 credits

- AGA:390 Introduction to Renewable Resources, 3 credits
- AGB:108 Human Relations I, 1.5 credits
- AGS:119 Advanced Animal Science, 2 credits

### TERM 2: Spring, junior or senior year of high school, 7 credits

- AGS:315 Principles of Animal Nutrition, 3 credits
- SPC:112 Public Speaking **OR** AGS:554 Beef Production, 3 credits
- WBL:101 Exploring Careers: Agriculture, Food, and Natural Resources, 1 credit

**PART 2: Advanced Foundations of Agriculture**

### TERM 3: Fall, senior year of high school, 7.5 credits

- AGA:182 Introduction to Soil Science, 3 credits
- AGA:285 Crop Protection, 3 credits
- AGS:352 Genetics, 1.5 credits

### TERM 4: Spring, senior year of high school, 7.5 credits

- AGA:210 Corn and Soybean Production, 3 credits
- AGB:231 Futures and Options, 1.5 credits
- ECN:130 Principles of Microeconomics, 3 credits

## CAREER ACADEMY TOTAL: 28.5 CREDITS

Immerse yourself in the natural world of wind, water, land, plants, and animals through the Agriculture, Food, and Natural Resources career pathway. Whether you have a passion for pets and livestock, find joy in nurturing the growth of a seed, or want to contribute to feeding the world, you will find a program sure to help you achieve your dreams.

- ▶ Agriculture Education Transfer Major, AA
- ▶ Agriculture Education Transfer Major, AS
- ▶ Agribusiness Equipment Sales and Service, Diploma
- ▶ Agribusiness Equipment Technician, AAS
- ▶ Agribusiness Management, AAS
- ▶ Agriculture Business Transfer Major, AS
- ▶ Agronomy Transfer Major, AS
- ▶ Agronomy, Diploma
- ▶ Animal Science Transfer Major, AS
- ▶ Conservation Pathway, AS
- ▶ Environmental, Health, and Safety, AAS, Diploma, Certificate
- ▶ Environmental Science Pathway, AA
- ▶ Farm Management, AAS
- ▶ Industrial Hemp Production, Diploma
- ▶ Precision Agribusiness Management, AAS
- ▶ Sales and Service, Diploma
- ▶ Turf and Landscape, AAS, Diploma, Certificate
- ▶ Veterinary Technician, AAS



For details, scan here or visit  
[eicc.edu/agacademy](http://eicc.edu/agacademy)



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