

## Agriculture Academy

The **Agriculture** Academy gives you the chance to explore a career in the agriculture industry before you graduate from high school! Jobs in agriculture (the food and fiber industry) are as varied and exciting as they have ever been, and cutting edge technologies are creating new careers at a rapid pace.

Just take a look at all of the Career Opportunities listed below. You don't need to come from a farming background to participate in these agriculture and/or horticulture courses.

You may enroll in any or all of the courses listed in the Academy through your high school guidance counselor. You are not required to take all of the courses within the Academy to earn college credit for an individual course.

### Career Opportunities:

- Precision equipment specialist
- Cow/calf operations
- Soil and water conservationist
- Swine technician
- Commodity Broker
- Fertilizer and chemical applicator
- Greenhouse manager
- Lab technician
- Livestock/crops manager
- Certified Crop Advisor (CCA)

### How much will it cost?

Your school district pays for your courses. You and your family are saving \$170/credit hour (SCC's in-state tuition cost for 2016-2017).

Check with your high school guidance counselor but you most likely will need to provide your own transportation and purchase your textbooks.

### Who may participate?

Any high school student who meets the requirements may participate, check with your high school guidance counselor.

### What may I do after high school?

When you enroll in courses in the **Agriculture** Academy, you may select areas for study that suit your own career goals, or use the courses to explore possibilities in this area. If you enroll in the Agriculture Program at SCC, you may bypass the courses you have already taken, saving time and money. You will also have accumulated skills that are highly valued in the workplace.

Some courses may apply to other programs. SCC Enrollment Specialists can answer your questions. To view all the programs offered at SCC, visit our website for more information:

[www.scciowa.edu/scripts/admissions/programs/programlist.asp](http://www.scciowa.edu/scripts/admissions/programs/programlist.asp)

### May I take more?

If there are openings in appropriate classes in this program at SCC, there may be possibility for further study. Check with your high school guidance counselor.

### When and where are the classes located?

Classes are located at several high schools in the region. Please talk to your counselor.



### How do I register?

Meet with your high school guidance counselor to determine course options. Register online with SCC, as directed by your counselor. Your high school counselor will send the class roster to SCC.

### Do courses transfer to other colleges?

Check out this link: [www.transferiniowa.org](http://www.transferiniowa.org) to see how courses may transfer to other colleges. It's also recommended that you double check with the college to make sure how/if courses will transfer.

#### Questions or for more information:

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# Agriculture Course Descriptions

## Fall Semester

### **AGA-114 Principles of Agronomy**

**Credit: 3** Detailed studies will be made of corn and soybean production, fertilization and harvesting methods. The processing of seed and grain will also be studied in this course, along with a close look at other cropping alternatives for the corn belt area. Laboratory work will be used to increase the understanding of key concepts.

### **AGS-113 Survey of the Animal Industry**

**Credit: 3** Course studies ways domestic animals serve the basic needs of humans for food, shelter, protection, fuel and emotional well-being. Terminology, basic structures of the industries surrounding the production, care and marketing of domestic animals in the U.S. will also be studied.

### **ELE-130 Home and Farm Electricity**

**Credit: 3** This course introduces the requirements for residential and farm electrical systems. Emphasis will be placed on local and national Electrical Codes. Hands-on experience will include such activities as basic wiring of the service entrance, circuits, switches, receptacles, lighting, special appliance circuits, and motor circuits. This course is specifically designed for students not choosing a construction curriculum.

## Spring Semester

### **AGA-154 Fundamentals of Soil Science**

**Credit: 3** This course covers soil properties affected by their formation due to climate, vegetative cover, parent material, drainage and topography. Laboratory work will be used to increase the understanding of key concepts.

### **AGB-336 Agricultural Sells**

**Credit: 3** Students will gain the necessary knowledge and the techniques of selling agriculture products directly to producers. Included is knowledge of the buying process, communication skills and other factors that are beneficial in building relationships with customers.

### **AGH-131 Greenhouse Management**

**Credit: 3** Manage greenhouse air, water, soil, and light for most efficient use of resources. Pest management, plant rotation and scheduling for flower sales are included.

### **AGM-203 Agricultural Welding**

**Credit: 2** A shop course dealing with welding

Southeastern Community College (SCC) is committed to providing equal access to all persons who seek post-secondary and related educational assistance, within our stated mission and statutory authority. We remain committed to helping all persons to the level of their ability to benefit, regardless of age, disability, ethnicity, gender, national origin, race, religious creed, marital status, or sexual orientation. We will accomplish this commitment through our offering of a broad spectrum of quality educational programs, activities, educational assistance, and related support services. We value diversity as a rich enhancement of student experiences here and we are thereby committed to policies that promote fairness and inclusion for all who attend SCC.

