

# Facilities

## Agricultural Mechanics Laboratory

Students learn industry skills in welding, construction, power systems, and structures through our 40' x 80' mechanics laboratory. Industry problem solving skills are taught through building projects, rebuilding gas & diesel engines, and using industry leading technology.



## Horticulture Laboratory



A 30' x 60' greenhouse and lath house allows students to apply principles of plant science as well as learn management and marketing skills related to the horticulture industry. Each year, students sell plants grown during the Spring Plant Sale.

## Computer Laboratory

Students have access to 20 computers in the Computer Lab. Each computer has Microsoft® and industry related software so students have the opportunity to learn through industry leading technology.



## Classrooms



Two classrooms provide students the opportunity to learn fundamental knowledge and skills in all career areas. Each classroom is equipped with computerized and video technology to increase the educational experience of students.

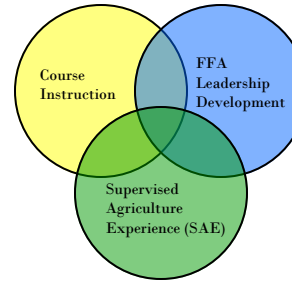
## Industry Certifications

- Missouri Show-Me Quality Assurance
- Bobcat® Machinery & Equipment
- Advanced Livestock is Dual Credit through University of Central Missouri
- Agribusiness Management is Dual Credit through State Fair College



# Total Program

The goal of the Agriculture Program at the Cass Career Center is to incorporate *all* the aspects of our program (Course instruction, FFA Leadership, and SAE) together in order to effectively prepare young men and women for a future career.



## Recent Graduates of the Program are:

- Pursuing 2-year & 4-year degrees at MU, MSU, UCM, NMSU, Kansas State, Crowder, and Longview
- Pursing 2-year training degrees at Linn State Technical College
- Acquiring certification at Missouri Welding Institute
- Attaining jobs in landscaping, crop production, construction, trucking, ag services, and many more

## Comments from past students....

...*"My Ag classes and FFA have helped me develop leadership qualities that I will use everyday of my life"*

- Nick McCleave, University of Missouri

...*"The skills I learned in Ag will be useful in whatever field I enter after college."*

- Kristopher Taylor, Missouri Welding Institute

...*"The best part of being involved in Ag and FFA is the lifelong friends that you meet."*

- Carilyn Bachman, Kansas State University



# Center



# Agriculture Program

1600 East Elm  
Harrisonville, MO 64701  
(816) 380-3253

[www.harrisonvilleschools.org/ag](http://www.harrisonvilleschools.org/ag)

# Courses

# FFA

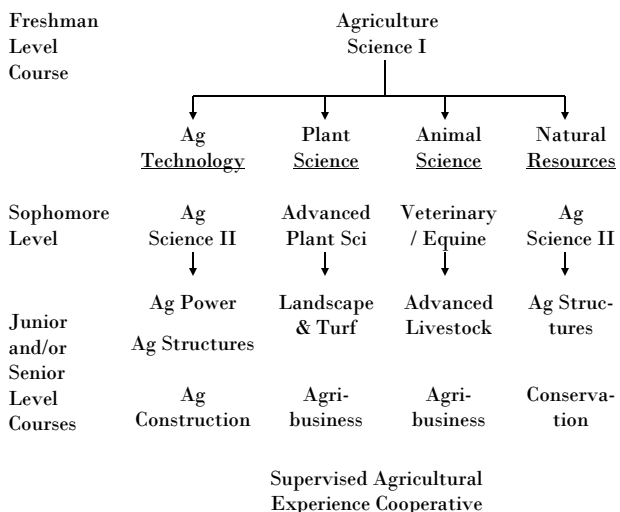
# SAE

**W**elcome, to the Agriculture Department of the Cass Career Center, located thirty miles south of Kansas City in Harrisonville, Missouri. We have a long tradition of preparing today's students into tomorrow's leaders in agriculture, natural resources, science, business, engineering, and public service. We strive to develop student potential in **premier leadership, personal growth, and career success.**

Courses are available for students wishing to pursue a degree at a 4-year university or a community college, receive on-the-job training, apprenticeship, or enter directly into the work force.

## Agriculture Career Pathways

For students who have specific career aspirations in agriculture or natural resources, there are four specific career pathways for students to follow: Ag Technology, Plant Science, Animal Science, or Natural Resources. Students, who wish a general agriculture education, may pick and choose from a variety of classes from each career path.



Enrollment of any course in the Agriculture Program provides students the opportunity to participate in the National FFA Organization. The Cass Career Center FFA Chapter was established in 1949 to help students build leadership, career awareness, and technical skills in agriculture and natural resources.

The Cass Career Center FFA holds many activities throughout the year to engage students in leadership and fun activities.



## Some of the activities include:

- District & State Fairs
- National FFA Convention in Indianapolis, IN
- FFA Trapshooting Team & Competitions
- Community Service Activities
- Fall & Spring Field Trips
- Barnwarming Dance
- Career Development Contests
- FFA Degrees (Local, State, National)
- Ag Awareness in Elementary Schools
- American Royal
- Chapter Ski Trip
- Western Farm Show
- State FFA Convention
- Chapter FFA Banquet
- Chapter, Area, State, and National Leadership Conferences
- Local Livestock & Animal Shows
- FFA Officer Leadership Positions
- Plant Flowers in Local Parks

With supervised agricultural experience programs (SAEs), a student designs a program to gain hands-on experience and develop skills in agricultural career areas that interest them.

A SAE program is the actual, hands-on application of concepts and principles learned in the agricultural education classroom. Students are supervised by agricultural education teachers in cooperation with parents, employers and other adults who assist them in the development and achievement of their educational and career goals. There are three types of SAEs available for students:

## Exploratory

Beginning students "explore" which aspect of the agriculture and natural resource industry they are interested in through supervised study and observation. Example programs include: volunteering at a local vet office, observing wildlife in forests, helping build a picnic table, etc..



## Ownership

Students own a business, plants, or animals related to the agriculture or natural resource industry. Example programs include: owning a horse, owning a lawn mowing service, raising quail, operating a cow/calf herd, etc..



## Placement

In this SAE, students work for a business in agriculture or natural resources. Example programs include: working at local farm, training horses, working at a local feed store, bailing hay in the summer, etc..

