

Center of Science in Agriculture (COASA)



Program Overview

This MVCTC academy allows you to rotate through a few of the six different areas during your junior year. At the end of third quarter junior year, you will select an area of specialization for fourth quarter junior year and all senior year. The COASA areas of specialization are Ag Resources Management Tech Prep, Animal Science Management, Environmental Engineering Tech Prep, Food Science Tech Prep, Plant Science, Power Technologies, and Veterinary Science.

www.mvctc.com/sa

What would I do in this class?

During the first three quarters of your junior year you will rotate through three of the following areas:

- **Business Ownership**
Study business management, financial planning, livestock care, plant and soil management, machine operation and maintenance, conservation, leadership skills, business software, livestock production, and marketing.
- **Animal Science**
Study nutrition, reproduction, genetics, pet shop management, animal husbandry, animal examination skills, and animal behavior.
- **Engineering**
Study operation and maintenance, cooling systems, lubrication systems, fuel systems, electrical systems, engine repair and overhaul, air induction systems, hydraulics, lift truck program differentials, steering systems, ABS brake systems, heating/ventilation and air conditioning systems, and welding.
- **Food Science**
Study food development, processing, preserving, packaging, distribution, and regulations in a state-of-the-art food science lab.
- **Plant Science**
Study how plants use nutrients to grow, through hydroponics, and study plant structures and functions with the use of Fast Plant® and tissue culture experiments. Put this knowledge to work in the MVCTC greenhouses and garden.
- **Environmental Science**
Study wildlife management, equipment operation, park management, surveying, environmental and hazard protection, Graphic Information Systems (GIS), and Global Positioning Systems (GPS).

COLLEGE CONNECTION



Sinclair Community College, Clark State Community College, Hocking College, or The Ohio State University/ Agricultural Technical Institute - Credits determined by specialty area (between 3-30 credits).



Advanced Placement



Industry Standard Certifications

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What can I do when I graduate?

Farm Manager
Animal Caretaker
Naturalist/Forestry Worker
Landscape Design and Installation
Diesel Engine Technician
Veterinary Assistant

What can I do with further training?

Agricultural Scientist
Animal Trainer
Environmental Engineer
Food Processing Engineer/Dietician
Botanist
Veterinarian

MIAMI VALLEY
CAREER TECHNOLOGY CENTER

For more information contact your Guidance Counselor or:

Miami Valley Career Technology Center
6800 Hoke Road, Clayton, OH 45315
Toll Free 1.877.766.8282 or 937.854.8056
or www.mvctc.com



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Did You Know?

- Recent MVCTC graduating classes have earned over \$2 million in college scholarships each year.
- Over 60% of MVCTC graduates continue their education at a college, university, or technical school.
- In the 2008 "one year later" follow-up survey, 95% of graduates were enrolled in college, serving in the military, or employed.
- On average, MVCTC serves over 2,900 high school students in the Miami Valley through the main campus, satellite, and Youth Connections programs.
- The average attendance rate for high school students at MVCTC is 95%.
- Every MVCTC student is issued a laptop computer through our Student Notebook Access Program (SN@P).
- Every career program at MVCTC has an Advisory Committee consisting of business and industry leaders in that career area. They meet annually to provide professional guidance and support.
- As part of their career programs, MVCTC students work with several local non-profit service agencies to give back to their communities and improve the quality of life for residents of the Miami Valley (Habitat for Humanity, Ronald McDonald House, Special Olympics, Autism Speaks, etc.).
- MVCTC continues to have students compete at the national level for career technical student organizations (SkillsUSA, BPA, HOSA, FCCLA, FFA, and FEA).
- 2011 marks the 40th year of MVCTC's commitment to helping high school and adult students learn the skills needed to reach their career goals!

Career Passport

Students who successfully complete a career program with good grades, good attendance, and the ability to demonstrate competencies in their career program will receive a portfolio, which will display a profile of both professional and personal accomplishments. This student portfolio or Career Passport complements the high school diploma that is earned while at MVCTC. They receive their high school diplomas from their partner school district.

Early College Connection

MVCTC prepares students for a seamless transition from high school to college by providing several opportunities to earn college credit and scholarship money towards a post-secondary education. Opportunities are offered to students meeting the established criteria for early college options. For more information and to review the eligibility requirements for each, please visit www.mvctc.com/earlycollegeconnections.

Mission Statement

We are dedicated to providing premier educational choices and advanced employment preparation for youth, adults, and organizations of the Miami Valley.

Admissions Timeline

December - Sophomore Visitation Days and Open House.

Early February - Applications are reviewed for students who attend one of MVCTC's 27 partner schools.

Early May - Applications are reviewed from qualified students who live in one of the partner school districts but do not attend one of the 27 partner schools.

Mid-May - If space is available, applications from qualified students who wish to be admitted under MVCTC's open enrollment policy are reviewed for admission.

For more information, visit www.mvctc.com/admissionprocedures.

Visit www.mvctc.com/futurestudents for more information and videos of our programs.

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MVCTC is dedicated to providing equal admission opportunities, equal educational opportunities, and equal employment opportunities without regard to race, religion, color, national origin, ancestry, age, sex, sexual orientation, handicap, marital status, or veteran status.