



Competitive Advantage



Your College & Career





We are a learning community providing students with a competitive advantage through career technical education and academic excellence.



MCCC provides students with the opportunity to focus on a major area of study while earning college credit and state-approved business and industry credentials.

MCCC students gain real-world work experience and certifications giving them a competitive advantage over others entering college. Many students receive scholarships and paid apprenticeships, which helps with the cost of a degree.

MCCC has been helping students focused on career-technical training prepare for their careers and follow their passions for 50 years.

Table of Contents

General Studies and Information

Academics 60-64

Admissions & General Information2

College Credits, Earn Industry Credentials
& Extracurricular Opportunities..... 3-5

Project Lead the Way [PLTW].....59

Career Majors

Commercial / Residential Construction

Construction Electricity 6-7

Construction Trades8-9

Heating, Ventilation & Air Conditioning10-11

Education & Services

Chef & Restaurant Management..... 12-13

Cosmetology..... 14-15

Teaching Professions 16-17

First Responders Academy

Criminal Justice.....18-19

Firefighter | EMT20-21

Health Science

Allied Health & Pre-Nursing 22-23

Animal Management & Care 24-25

Sports Medicine & Exercise Science.....26-27

Vision Care28-29

Information Technology Academy

Business & Marketing Technology30-31

Cybersecurity & Digital Forensics..... 32-33

Software Engineering & Web Development ... 34-35

STEM Innovation Academy

Engineering Technologies & Design36-37

Precision Machining Technology 38-39

Transportation Technology

Automotive Collision Technology40-41

Automotive Technology42-43

Diesel Technology44-45

Power Equipment Technology..... 46-47

Visual Media Imaging Academy

Digital Design48-49

Graphic Arts & Printing Technology.....50-51

Media Production 52-53

Work-Based Learning Programs

Career & Community Experience Program..... 54-55

Career Exploration Program56-57

Career Training Program58

Adult & Continuing Education

Full- and Part-Time Curriculum
Opportunities.....68-69

Admissions & General Info

The Medina County Career Center is comprised of 11th and 12th grade students from six associate school districts, including Black River, Brunswick, Buckeye, Cloverleaf, Highland, and Medina, as well as other eligible students residing in Medina County. Students are able to choose from 24 career-technical programs that they would like to pursue. Students are able to take college preparatory, advanced placement, and College Credit Plus courses which are NCAA-approved.



Costs

No tuition is charged for district residents who are enrolled in high school. MCCC provides the majority of necessary equipment and materials; however, most career majors require students to purchase individual supplies, uniforms, and books.

Transportation

The associate schools provide busing to and from MCCC. Students may also drive after registering their vehicle and purchasing a parking permit.

School Activities

Students are encouraged to continue participating in associate school athletics and extra-curricular activities. When possible, students are excused from class for these commitments.

Questions?

If you need additional information or would like to visit MCCC's campus, please contact Wendy Dralle, Coordinator of Enrollment Services and Associate School Liaison, at 330.721.0213 or email enrollme@mcjvs.edu.



COLLEGE CREDITS THROUGH CAREER TECHNICAL EDUCATION



Medina County Career Center students can earn college credits in most career technical programs offered by meeting established criteria for early college options. There are three ways students can earn these potential credits.

Additional Information

For more information, scan the above QR code or contact Danielle McMaster at dmcmaster@mcjvs.edu

Your College & Career



1) College Tech Prep

College Tech Prep is transcribed credit that can potentially be transferred to public Ohio colleges/universities.

This is a partnership through Cuyahoga Community College (Tri-C) in which students are required to fill out an online application for Tri-C to claim these college credits.

2) CTAG / Career Technical Assurance Guidance

CTAGs are aligned with a career technical program's course of study, curriculum and the Ohio Department of Education. Students who successfully complete specified technical programs and assessments are eligible to have technical credit transfer to public post-secondary institutions in the state of Ohio.

3) Articulation Agreements

Articulation agreements are a partnership with post-secondary institutions that agree to honor credits for certain career technical courses. Students must meet established criteria to obtain articulated credit.

LEARN & EARN

WITH THE MEDINA COUNTY CAREER CENTER

Option 1: Summer Internship is a temporary position with an emphasis on on-the-job training rather than merely employment. Student interns are assigned a job coach throughout the summer between their junior and senior year. Job coaches are available throughout the internship to serve as a resource for both the employer and student.

Option 2: Pre-Apprenticeship – MCCC has an Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program. Students learn the skills needed for a rewarding career while earning a paycheck – all without racking up student loan debt. The students who meet the criteria will earn a 12-point credential towards their graduation requirements.

Option 3: Work-Based Learning Job Placement offers the chance to gain skills that will lead to higher salary and excellent job opportunities. During work-based learning, students are trained on-the-job by an expert worker. They also participate in classroom instruction that applies directly to their career.



Earn Industry Recognized Credentials

Industry-recognized credentials are proof that MCCC students have the skills needed to begin a career.

Many MCCC programs help students earn certifications or licenses that other people do not obtain until years after high school. That gives MCCC graduates a head start!

Industry credentials are recognized by employers and professionals in the field. MCCC career technical instructors partner with local businesses in which every program has an Advisory Council. This council is made up of a group of leaders in the field who help choose equipment, review the curriculum, and talk with students about career opportunities. More than 350 professionals make up the Advisory Councils at MCCC. This allows students to network before graduation.



NATIONAL FIRE PROTECTION ASSOCIATION
The leading information and knowledge resource on fire, electrical and related hazards



EXTRACURRICULAR OPPORTUNITIES AT MCCC

Student Leadership Council

The Career Technical Student Leadership Council forms our student government. We promote career values, create positive student events and experiences in school, and reach out to the community. CTSLC offers opportunities and training for students who demonstrate leadership skills in their programs and their career technical student organizations.

Individual Career Technical Lab Leadership Opportunities

Each of our career technical programs has its own leadership opportunities for students.

Key Club

Members of Medina County Career Center's Key Club perform volunteer acts in their communities, such as cleaning up parks, collecting clothing and organizing food drives. They also learn leadership skills by running meetings, planning projects and holding elected leadership positions at the club, district and international levels.



Career Technical Student Organizations (CTSO)

Every student attending MCCC is a member of a Career Technical Student Organization [CTSO]. A CTSO is an extra-curricular group for students in Career Technical Education [CTE] pathways to further their knowledge and skills by participating in activities, events and competitions. CTSOs integrate into Career Technical Education programs and courses across the country and have more than two million student members combined.

CTSOs extend teaching and learning through innovative programs, business and community partnerships, and leadership experiences at the school, state, national and international levels.

CONSTRUCTION **ELECTRICITY**

Career Roadmap

MCCC Career Major

Academics

Construction Tech Care & Sustainable Construction
Residential Electrical Systems
Construction Electrical Systems
Commercial & Industrial Electricity

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

IBEW Credentials
OSHA 10 Certification
Heartsaver CPR, AED & First Aid

Job Placement | Internships

Electrician Apprentice
Entry Level Electrician Assistant
Pre-Wire Finish Electrician

Students who meet certification criteria will have the opportunity to test in their CT program.

Technical Careers

Associate Degree

Electrical/Electronic Engineering Technology Associate of Applied Science
3-year Residential Wireman

Advanced Certifications

Electronic Engineering Technician Certification
Residential House Wiring Certification

Jobs with Work Experience & Associate Degree

Electrician
Inside Wireman
Residential Wireman
Electronic Technician
Robotics and Computer Repair Technician

Your College & Career



Professional Careers

Bachelor Degree*

5-year Residential Wireman Apprenticeship Program
Electrical & Electronic Engineering Technology
Electrical Engineering
Electrical & Computer Engineering

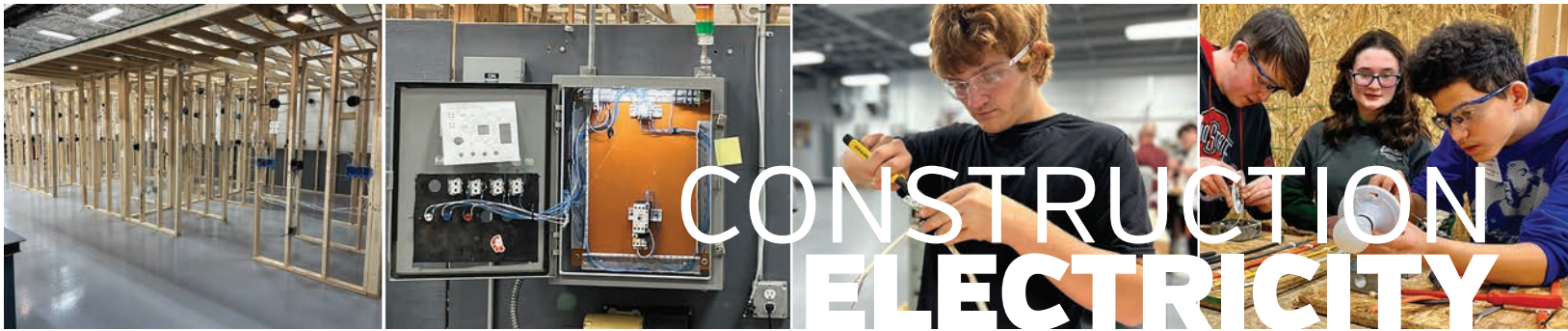
Master Degree*

Master of Electrical Engineering

Extensive Work Experience*

Journeyman Electrician
Industrial Electrician
Maintenance Electrician
Commercial Electrician
Master Electrician

**Examples only. Degrees and work experience options are extensive.*



CONSTRUCTION **ELECTRICITY**



The Construction Electricity program prepares students for a rewarding career as an electrician. Skills learned in the lab include proper safety precautions, the use of tools, residential wiring, service entrance installation, commercial wiring, motor control circuits, and troubleshooting. In the related class, students learn electrical theory, electrical math, blueprint reading, and calculating loads and service requirements. Students will become familiar with the National Electrical Code.

Curriculum:

- DC electric circuits
- Read blueprints and electrical layouts
- Practice electrical safety procedures
- Install residential and commercial wiring
- Use electrical test equipment
- Lay out and install circuits
- Install electrical devices
- Bend and install conduit
- Troubleshoot electrical circuitry on machines
- Install motor controls

Curriculum (cont'd):

- Wire motor control or safety device circuits
- Understand programmable controller principles
- Understand principles of computer controls

Certifications:

- IBEW Credentials
- Heartsaver CPR, AED and First Aid
- OSHA 10-Hour: Certification



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- General Electrician
- Construction Technician
- Electric Company Repairman
- Electric-Mechanical Technician
- Industrial Electrician
- Maintenance Electrician
- Electrical Sales Contractor
- Security / Fire Alarm Installer

Note: Since this a new and developing program, the above program information is subject to change.

CONSTRUCTION TRADES

Career Roadmap

MCCC Career Major

Academics

Construction Technology Core & Sustainable Construction
Carpentry & Masonry Technical Skills
Structural Systems
Structural Coverings & Finishes

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

CITF Career Connection Certificates: Level I, II, III
OSHA 10 HR Construction Industry Certification
CPR & First Aid

Early Placement | Internships

Construction Laborer
Carpentry Apprentice

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

Associate Degree

Construction Engineering
Technology, Land Surveying,
Construction Tending &
Hazardous Material Abatement,
Business Management

Advanced Certifications

HVAC Technology, Construction
Project Management, Building
Maintenance Technician,
Computer Aided Drafting,
Machine Tools Operation,
Industrial Maintenance

Jobs with Work Experience & Associate Degree

Cost Estimator, Professional
Carpenter, Plumber, Electrician,
Floor Layer, Surveyor,
Construction Manager, HVAC
Technician



Professional Careers

Bachelor Degree*

Construction Science: Civil
Management, Mechanical &
Electrical Management, Safety
Management, Architectural
Studies, Interior Design,
Construction Management

Master Degree*

Architecture & Environmental
Design, Business Administration,
Safety Engineering / Risk
Management

Doctoral Degree*

Architecture, Civil Engineering,
Construction Engineering &
Management

Extensive Work Experience*

Estimator Lead, Consultant,
Architect, Project Manager,
Home Inspector, Site Foreman,
Safety Engineer

**Examples only. Degrees & work experience options are extensive.*



CONSTRUCTION TRADES



The Construction Trades program teaches students basic carpentry skills to repair, construct and remodel buildings and homes in a real-world setting. Students lay out floors, walls and rafters, learn how to construct stairs, as well as hang and finish drywall. This program also offers an introduction to basic plumbing and electrical.

Curriculum:

- Application of building hardware
- Building stairs
- Constructing walls and laying floors
- Drywall hanging and finishing
- Estimating
- Finish carpentry trim
- Framing styles and materials
- Hanging doors and setting windows
- Installing siding
- Introduction to basic electrical

Curriculum (cont'd):

- Introduction to basic plumbing
- Roofing a building
- Sheathing and siding of buildings
- Site layout and building forms
- Suspended ceiling installation

Certifications:

- CITF Career Connections
- Heartsaver CPR, AED and First Aid
- OSHA 10-Hour: Construction

Opportunities:

- Carpenter
- Drywall finisher
- Electrician
- Internship
- Plumber
- Roofer
- Rough Framers
- Sider



Students have the opportunity to earn industry credentials and college credits.

HEATING, VENTILATION & AIR CONDITIONING

Career Roadmap

MCCC Career Major

Academics
Heating Cooling Systems,
Construction Tech, HVAC
Refrigeration, Sheet Metal

College Credit
Students have the opportunity to earn college credit in this program.

Goals
Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*
Environmental Protection Agency 608
[EPA]: Refrigerant Recovery Core + Level
1 Small Appliances, Refrigerant Recovery
Core + Level 2 High Pressure, Refrigerant
Recovery Core + Level 3 Low Pressure,
North American Technician Excellence
HVACR Cert., OSHA 10-HR Construction
Industry Certification

Early Placement | Internships
Maintenance Technician
Building Maintenance Staff
HVAC Assistant

**Students who meet
certification criteria will have
the opportunity to test in their
CT program.*

Technical Careers

Associate Degree
Air Conditioning, Heating, &
Refrigeration Technology,
Electrical / Electronic
Engineering Technology, Building
Maintenance & Technology,
Applied Industrial Technology
Sheet Metal Worker

Advanced Certifications
Industrial & Residential
Electricity, Basic Home Repairs,
Welding, Facility Maintenance
Technician

**Jobs with Work Experience &
Associate Degree**
Maintenance Technician
Maintenance Manager
Maintenance Mechanic, Electrical
Maintenance Technician, HVAC
Technician Handyman Business
Owner, Building Manager



Professional Careers

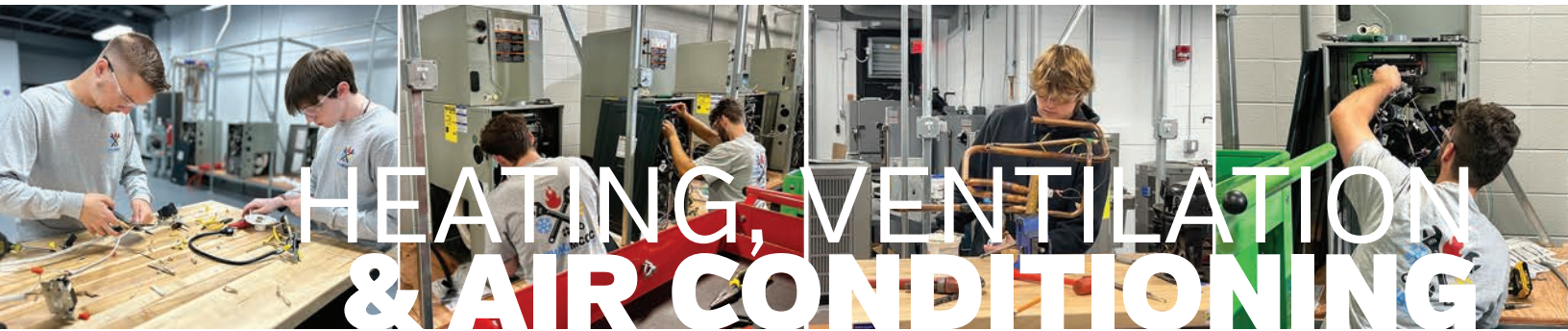
Bachelor Degree*
Organization Supervision,
Construction Engineering
Technology, Electrical Engineering
Technology, Safety Engineering /
Risk Management

Master Degree*
Renovation of Buildings &
Facilities, Sustainable Building
Information Management, Industrial
Engineering, Engineering for
Building Retrofitting

Doctoral Degree*
Environmental Engineering
Sustainability & Science, Mechanics,
Materials & Computing, Civil Eng.

Extensive Work Experience*
Maintenance Director, Safety
& Maintenance Coordinator,
Maintenance Mechanic Supervisor,
Corporate Property Manager,
Capital Planning & Facilities
Management Director

**Examples only. Degrees &
work experience options are
extensive.*



The demand for residential, commercial and industrial climate control system technicians is on the rise. The Heating, Ventilation & Air Conditioning program teaches students how to install, maintain and repair gas, propane, oil and electric residential and light commercial heating and cooling units. Suggested prerequisites for this program are mechanical aptitude and problem-solving abilities.

Curriculum:

- Basic duct work design
- Basic electrical circuit construction
- Fundamentals of electricity
- Identification and use of specialized tools
- Mechanical maintenance
- Piping practices
- Safe refrigerant practices
- Schematics
- Sheet metal assembly
- Sheet metal fabrication
- Soldering and brazing

Curriculum (cont'd):

- Theories of heating and cooling
- Threading and cutting
- Use of refrigerant metering devices

Certifications:

- EPA 608, Core I, II, III
- CPR / First Aid
- OSHA 10-Hour: Construction



Students have the opportunity to earn industry credentials and college credits.

CHEF & RESTAURANT MANAGEMENT

Career Roadmap

MCCC Career Major

- Academics**
Fundamentals of Food Production, Dining Room Service & Operations, Contemporary Cuisine, Catering & Banquet Service Operations
- College Credit**
Students have the opportunity to earn college credit in this program.
- Goals**
Earn High School Diploma
Earn Industry Certifications
- MCCC Industry Certifications***
ServSafe Food Handler
ServSafe Manager Level
- Early Placement | Internships**
Catering events, Participate in local food competitions, Compete in state & national competitions

Technical Careers

- Associate Degree**
Culinary Arts, Hospitality Management, Hotel Destination & Event Management, Restaurant / Food Service Management Business
- Advanced Certifications**
Event Planning
Food & Beverage Operations
Hospitality Management
Personal Chef
Professional Baking
Professional Culinarian / Cook
- Jobs with Work Experience or Associate Degree**
First Line Supervisors of Food Preparation, Servers, Line Cooks, Institution & Cafeteria Cooks, Food Service Manager, Public Safety Dispatcher



Professional Careers

- Bachelor Degree***
Food & Nutrition, Food Science, Food & Hospitality Management, Public Health Education
- Master Degree***
Medical Nutrition Therapy, Dietetics, Food Processing / Engineering, Quality Assurance, Product Development, Safety Inspector, Business Admin.
- Doctoral Degree***
Hospitality & Dietetics Admin., Natural Resource Recreation & Tourism, Food Service & Lodging Management, Food Science & Nutrition, Business Management
- Extensive Work Experience***
Dietician, Nutritionist, Public Health Administrator, Corporate Executive Chef, Event Planner, Restaurant Entrepreneur, Food Scientist, Quality Assurance Manager

**Examples only. Degrees & work experience options are extensive.*



The Chef & Restaurant Management program trains students in a culinary institute environment to prepare, present and serve food. Students operate The Center Café restaurant (located on MCCC's campus), which allows them to learn all aspects of the food and restaurant industry. Suggested prerequisites for this program include art, home economics and math.

Curriculum:

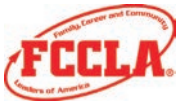
- Back-of-the-house operational standards
- Chef responsibilities
- Food-borne illnesses
- Food portion budgeting
- Food preparation and production
- Front-of-the-house operational standards
- Math principles for food service
- Menu planning
- Portioning
- Restaurant design and operation

Curriculum (cont'd):

- Safety and sanitation
- Storeroom and inventory principles and management
- Taxes

Certifications:

- ServSafe Food Handler
- ServSafe Manager Level



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- Caterer
- Chef
- Cruise Line Chef
- Dietician
- Food Artist
- Food Writer
- Hospitality Manager
- Internship
- Pastry Chef
- Personal Chef
- Server

Career Roadmap

Professional Careers

Bachelor Degree*

Your College & Career
Connection

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Extensive Work Experience*
Cosmetology Instructor, Makeup
Artist, Salon Owner, Beauty
Writer / Blogger, Research
Chemist, Cosmetology School
Owner, Sales Representative

**Examples only. Degrees & work experience options are extensive.*



The Cosmetology program teaches students the art, science and care of hair, skin and nails. Training occurs in the school's state-of-the-art lab setting and Today's Image Salon. Today's Image Salon is a full service salon operated by students and open to the public. Students have a full academic schedule in which many courses are tied directly to the cosmetology curriculum. To be licensed, students must pass the State Board of Cosmetology exam.

Opportunities:

- Professional image
- Waxing and facial treatments
- Retailing
- Salon management
- Shampooing and scalp treatments
- Shaping hair with shears, razors and electric clippers

- Ohio Cosmetology License
- CPR, AED and First Aid

- Licensed Cosmetologist
- Nail Technician
- Esthetician
- Instructor
- Internship
- Platform Artist
- Sales
- Salon Manager and/or Owner
- State Board Inspector



Students have the opportunity to earn industry credentials and college credits.

TEACHING PROFESSIONS

Career Roadmap

MCCC Career Major

Academics

Education Principles, Foundation of Education & Training, Early Childhood Observation & Assessment, Curriculum & Instruction for Teaching Professions Education & Training Capstone

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Child Development Associate, Child Abuse & Awareness, CPR & First Aid, Communicable Disease Prevention, OSHA 10-HR Industry

Early Placement | Internships

Classroom Aide
Instructional Aide
Child Care Assistant

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

Associate Degree

Early Childhood Education [0 - 5 years]
Early Childhood Education [Pre-K- 5th Grade]
Teacher Education [6th -12th Grade]

Advanced Certifications

90-HR Child Care
Certified Daycare Provider
Child Development
Child Care Administration

Jobs with Work Experience & Associate Degree

Family Child Care Provider
Preschool Teacher
Daycare Assistant Director
Certified Daycare Provider
Assistant Teacher

Your College & Career



Professional Careers

Bachelor Degree*

Child Development, Education, Social Work, Psychology, Family Studies

Master Degree*

Education Administration, Human Development & Family Studies, School Counseling, School Psychology, Early Childhood Education

Doctoral Degree*

Special Education, Educational Psychology, Counselor Education & Supervision, Curriculum & Instruction

Extensive Work Experience*

Elementary School Teacher, Daycare Director, Child Life Specialist, Child Care Development Specialist, School Counselor, Elementary School Principal

**Examples only. Degrees & work experience options are extensive.*



The Teaching Professions program educates students about the physical, emotional, social and cognitive development of children through adolescence. Students participate in field experiences throughout the community. Through these field experiences, students are placed in different learning environments to gain valuable training and knowledge working with children of all ages and backgrounds. **[MCCC does not provide transportation to field experiences.]**

Curriculum:

- Child growth and development
- Curriculum strategies
- Education and training capstone
- Education principles
- Health, safety and nutrition
- Instructional strategies
- Introduction to education and training

Certifications:

- Child Abuse Awareness
- Communicable Disease
- Direct Support Professional
- Heartsaver CPR, AED and First Aid
- OSHA 10-Hour

Opportunities:

- Administrator
- Counselor
- Internship
- Field Experience
- Paraprofessional
- Teacher - Primary, Middle and High School



Students have the opportunity to earn industry credentials and college credits.

CRIMINAL JUSTICE

Career Roadmap

MCCC Career Major

Academics

The American Criminal Justice System, Police Work & Practice in Public Safety, The Correctional System & Services, Security & Protective Services

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

APCO Telecommunicator I [911 Dispatcher], ASP Restraints & Baton, Heartsaver CPR, AED & First Aid, Individual Chemical Repellent Spray, OSHA 10-HR General Industry, Take Control, Ohio Dept. of Rehab. & Correction Academy, FEMA Incident Command System (ICS), FEMA National Incident Command System

Early Placement | Internships

Medina Co. Law Enforcement Explorer Post

Technical Careers

Associate Degree

Criminal Justice
Corrections
Basic Police Academy
Law Enforcement
Security Administration

Advanced Certifications

Ohio Peace Officer
RADAR/LIDAR
S.F.S.T.
Criminal Investigator

Jobs with Work Experience & Associate Degree

Security Officer
911 Police Dispatcher
Correctional Officer
Law Enforcement Officer:
Sheriff Deputy
Police Officer



Professional Careers

Bachelor Degree*

Forensic Accounting Science, Criminology, Law Enforcement, Sociology, International Studies, Cyber Security, Terrorism, Law Enforcement & Public Safety, Finance

Master Degree*

Law Enforcement Intelligence & Analysis, Criminal Justice

Doctoral Degree*

Doctorate of Business in: Homeland Security, Criminal Justice, Social Work, Criminology

Extensive Work Experience*

Crime Analyst, Anti-Money Laundering Investigator, Intelligence Analyst, Security Manager, Federal Agent, Detective

**Examples only. Degrees & work experience options are extensive.*



The Criminal Justice program provides students with education and training in law enforcement, corrections, security, and dispatching. Students gain communication, human relations, reporting, self defense and patrol skills. They practice multiple skills and gain knowledge on numerous topics pertaining to the criminal justice and security fields. The cadets are also taught positive character traits through the Criminal Justice program's Core Values: Professionalism, Integrity, Honesty, and Loyalty.

Equipment:

- ASP baton, handcuffs and flashlights
- Fingerprinting tools
- OC Spray (pepper spray)
- Patrol duty gear
- Police cruiser
- Police radio
- Radar and LIDAR
- Redman self-defense suit
- Training scenario furnishings
- Virtual range simulator

Students have access to various educational tools throughout our campus and Medina County. Some of the equipment includes the above.

Certifications:

- ASP Baton
- ASP Restraints (handcuffs)
- FEMA - Incident Command System
- FEMA - National Incident Management System
- Heartsaver CPR, AED and First Aid
- Individual Chemical Repellent Spray
- Ohio Department of Rehabilitation and Correction Academy
- OSHA 10-hour

Opportunities:

- Corrections Officer
- Police Dispatcher
- TSA Agent
- Private Security Officer
- Military Service

Please note: Most police departments in Ohio, including federal law enforcement agencies, require law enforcement officers to be 21 years of age. A department that is not civil service may hire someone who is 18 years old.



Students have the opportunity to earn industry credentials and college credits.

FIREFIGHTER | EMT

Career Roadmap

MCCC Career Major

Academics

Firefighter I, Foundations of Firefighting & EMT, EMT, Firefighter II

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

EMT Basic, Ohio Firefighter I, Ohio Firefighter II, OSHA 10-HR General Industry Certification, Child Abuse Prevention, CPR & First Aid, Bleeding Control Basics

Early Placement | Internships

Students in this program have the opportunity to shadow paramedics in both a hospital & ambulance setting.

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

Associate Degree

Emergency Medical Services, Technology Associate Applied Science, Associate Applied Science Fire Protection Technology, Nursing LPN, RN, Medical Assistant

Advanced Certifications

EMT Basic, EMS Advanced Training, Firefighter I & II Transition, Fire Service Instructor, 36-HR Volunteer Firefighter, Emergency Vehicle Operator, Emergency Dispatcher

Jobs with Work Experience & Associate Degree

EMT, Dispatcher, Firefighter, Paramedic, Flight Paramedic, Forestry Fire Prevention Specialist



Professional Careers

Bachelor Degree*

Fire Science
Nursing B.S.N.

Master Degree*

Forestry with a focus in Firefighting / Environmental Fire Science
Health Sciences
Health Care Education

Doctoral Degree*

Healthcare Administration, Health Policy, Public Health, Fire Protection Engineering

Extensive Work Experience*

Physician Assistant, Emergency Management Director, Registered Nurse, Emergency Medical Services Educator, Physician, Fire Chief, Building Inspector, Arson Investigator

**Examples only. Degrees & work experience options are extensive.*



The Firefighter | EMT program explores careers in emergency medical technician, firefighting, and more. Upon completion of this program, students are prepared to sit for the following certifications: Firefighter, Hazmat Awareness and Operation, and Emergency Medical Technician.

Curriculum:

- Fire | EMS safety introduction
- Diversity and disabilities
- Ethics
- Human body systems
- Medical and trauma assessment
- Fire behavior
- Fire suppression
- Communications and documentation
- Hazmat training / WMD
- Terrorist assessment training
- Incident command systems

Certifications:

- Bleeding Control Basics
- CPR / First Aid
- EMT
- Emergency Vehicle Operation
- Fire 256
- National Incident Management

Opportunities:

- Emergency Management
- Emergency Medical Technician
- Firefighter
- Dispatcher
- Private EMS Service
- Fire Safety Systems



Students have the opportunity to earn industry credentials and college credits.

Career Roadmap



Career Roadmap

Technical Careers

Professional Careers

Associate Degree

Animal Science, Livestock
Production & Management,
Horse Production &
Management, Agribusiness,
Veterinary Technology

Advanced Certifications

Veterinarian Technician, Feed Management Certification, Animal Nutrition Certification, Animal Genetics Certification, Equine Science

Jobs with Work Experience & Associate Degree

Research or Product Development, Technician, Quality Assurance Technician, Animal Laboratory Technician, Livestock Manager, Veterinarian Technician

Bachelor Degree*

Master Degree***Doctoral Degree***

Extensive Work Experience*

Veterinarian, Livestock
Producer, Zoologist, Research
Biologist, Agribusiness
Management, Ecological
Consultant

**Examples only. Degrees & work experience options are extensive.*



In the Animal Management & Care program, students learn proper nutrition, care, grooming, disease prevention and treatment of domestic and companion animals. They also learn equine care and tack identification in our Equine Center, and are trained in animal health and veterinary assisting. Students gain skills in customer service, merchandising and advertising by managing an interactive doggie daycare unit.

Curriculum:

- All breed dog grooming
- Anatomy and physiology of animals
- Aquarium management
- Care, handling and management of dogs, cats, birds, reptiles, small animals and horses
- Management of horses
- Reproduction and breeding of small animals

Certifications:

- Animal Care Training
- CPR / First Aid
- OSHA 10-Hour: Agriculture
- Pet Tech CPR / First Aid



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- Doggie Daycare
- Groomer
- Horse Industry
- Internship
- Kennel Assistant
- Retail Sales
- Trainer
- Veterinarian Assistant

Career Roadmap

Professional Careers

Bachelor Degree*

Exercise Science Study Tracks:
Pre-Physical Therapy, Pre-Physician Assistant, Corporate Wellness, Clinical Exercise Physiology, Health & Human Performance, Nutrition Science

Master Degree*

Athletic Training, Exercise
Physiology, Public Health,
Occupational Therapy
Doctoral Degree*
Health & Human Performance
Physical Therapy
Doctor of Chiropractic Medicine

Extensive Work Experience*

Health & Wellness Supervisor /
Coordinator, Physical Therapist,
Occupational Therapist, Athletic
Trainer, Exercise Physiologist,
Recreational Therapist, Sports
Dietitian

**Examples only. Degrees & work experience options are extensive.*

**Students who meet certification criteria will have the opportunity to test in their CT program.*



The Sports Medicine & Exercise Science program studies physiology and biomechanics in relation to the ability of the human body to adapt to motion, movement and physical activity. This program is designed to prepare students to transition to college and pursue a career in the athletic training, fitness, or health care fields.

Certifications (cont'd):

- OSHA 10-Hour: Healthcare

Opportunities:

- Athletic Trainer
- Massotherapy
- Occupational Therapist
- Personal Fitness Trainer
- Physical Education Teacher/Coach
- Physical Therapy



Students have the opportunity to earn industry credentials and college credits.

Career Roadmap

Professional Careers

Bachelor Degree*

Pre-Optometry & Vision Science
Visual Science, Bachelor of
Science in Ophthalmic
Technology, Anatomy &
Physiology

Master Degree*

Vision Science, Optometry,
Clinical Ophthalmology & Vision
Research, Vision Rehabilitation
Therapy

Doctoral Degree*

Doctoral Degree*
 Doctorate of Optometry
 Doctorate of Ophthalmology
 Vision Science

Extensive Work Experience*

Vision Rehabilitation Therapists,
Orientation & Mobility Specialists,
Low Vision Therapists,
Optometrist, Ophthalmologist,
Optical Manager

**Examples only. Degrees & work experience options are extensive.*

**Examples only. Degrees & work experience options are extensive.*

Your College & Career
Connection



The Vision Care program teaches students about common eye disorders and how to test for visual acuity, depth perception and color blindness, and proper use of optical instruments, as well as prescription analysis and fitting technologies.

Opportunities:

- ## Certifications:

- Optician
- Optometric/ Ophthalmic Assistant
- Ophthalmologist
- Optical Laboratory Technician
- Optical Sales Representative
- Optometric Assistant
- Optometrist
- Optometric/Ophthalmic Technician

Work with a licensed optician for 1000 hours and pass the ABO Exam to become a licensed Optician.



Students have the opportunity to earn industry credentials and college credits.

BUSINESS & MARKETING TECHNOLOGY

Career Roadmap

MCCC Career Major

- Academics**
Business Foundations, Marketing Principles, Strategic Entrepreneurship, Digital Marketing & Management, Fundamentals of Business & Administrative Services
- College Credit**
Students have the opportunity to earn college credit in this program.
- Goals**
Earn High School Diploma
Earn Industry Certifications
- MCCC Industry Certifications***
Entrepreneurship & Small Business Digital Literacy [IC3], Microsoft Office: Specialist [MOS], Adobe InDesign Certified Associate, Intuit QuickBooks, Social Media Marketing, CPR & First Aid
- Early Placement | Internships**
Administrative Assistant, Digital & Social Media Marketing, Event Marketing & Sales Assistant

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

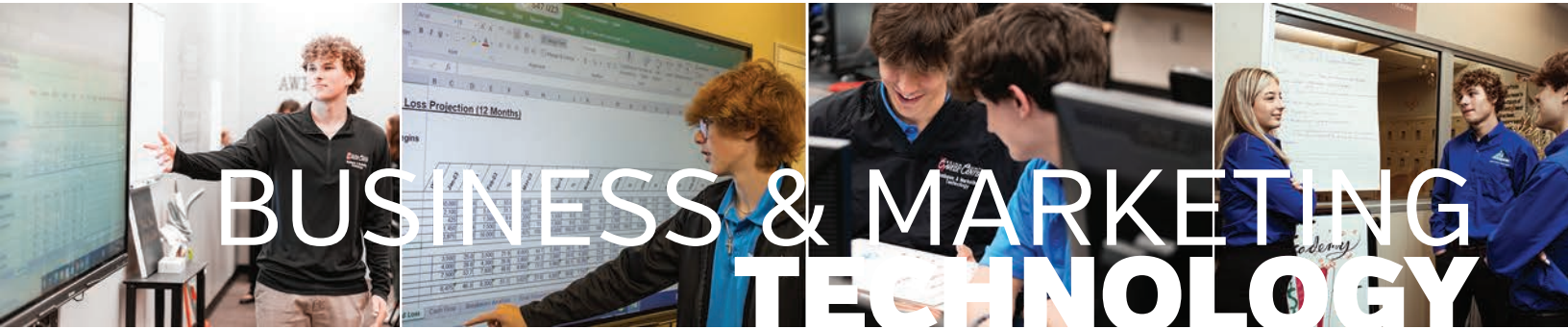
- Associate Degree**
Business Management with concentrations in: Accounting, Business Technology, Human Resources Management, Int'l Business Marketing, Purchasing & Supply Management, Associate in Marketing
- Advanced Certifications**
Certified Business Analysis Professional, Certified Supply Chain Professional, Project Management Professional, Certified Application Associate – Business Planning & Consolidation, Marketing Strategy Certificate
- Jobs with Work Experience & Associate Degree**
Direct Marketers, Public Relations Specialist, Sales Supervisor, Market Research Analysts, Marketing Specialist, Customer Service Representative, Online Fulfillment Associate



Professional Careers

- Bachelor Degree***
Accounting, Economics, Management, Finance, Marketing, Entrepreneurship, Hospitality Management
- Master Degree***
Master of Business [MBA], Master of Accountancy, Master of Science in Marketing, Master of Science in Management, Human Resources & Administration
- Doctoral Degree***
Business Administration, Finance, Marketing, Aviation Business, Management: Designing Sustainable Systems, Operations Research
- Extensive Work Experience***
Entrepreneur, Director of Human Resources, Director of Sales, Marketing Manager, Product Manager, Public Relations Manager, Regional Sales Rep., Online Sales Director, E-Commerce Manager

**Examples only. Degrees & work experience options are extensive.*



The Business & Marketing Technology program is a two-year program offering innovative methods to create and maximize strategic marketing practices through online advertising, websites and email, social media, and digital marketing. Students will learn to apply practices in fundamental business operations including marketing, management, sales, and administration. This program provides students with technical skills and management expertise to transition into the workplace or pursue additional education towards a degree.

Curriculum:

- Business Activities/Advertising/Applications
- Business Ethics and Law
- Business/Marketing/Social Media Communications
- Digital and Social Media Marketing
- Entrepreneurship
- Global Business
- Marketing Research
- Project and Financial Management Fundamentals
- Product and Services Development/Sales
- Sports and Entertainment Marketing/Planning/Relations

Certifications:

- Adobe Certified Professional
- CPR/First Aid
- Digital Literacy [IC3]
- Entrepreneurship & Small Business
- Intuit QuickBooks
- Microsoft Office Specialist [MOS]
- Social Media Marketing
- Stukent Media Marketing Certification



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- Accounting and Finance
- Advertising and Sales
- Business Management/Owner
- Digital Marketing/E-Commerce
- Entertainment Agent
- Event Planner
- Human Resources
- Internship
- Logistics/Market Research
- Marketing Manager
- Public Relations
- Purchasing
- Social Media or Sports Marketing
- Tradeshow Coordinator

This program is part of MCCC's IT Academy, which is the integration of three career-technical majors including Business & Marketing Technology, Cybersecurity & Digital Forensics and Software Engineering & Web Development.

CYBERSECURITY & DIGITAL FORENSICS

Career Roadmap

MCCC Career Major

Academics

Cybersecurity Defense & Reinforcement, Computer Hardware, Computer Software, Network Operating Systems

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Internet Computing Core Certifications [IC3], Microsoft Office 365, CompTIA Security +, Information Technology Specialist, CPR & First Aid

Early Placement | Internships

Computer User Support Specialist
Web Developer
Computer Programmer

Technical Careers

Associate Degree

Computer Networking
Hardware, Networking Software, Cybersecurity, Information Technology Programming & Development

Advanced Certifications

Computer Maintenance
Technology, Cybersecurity Analytics, Data Analytics, Mobile Application Development, Programming & Development, Web Application Development

Jobs with Work Experience & Associate Degree

Network & Computer Systems Administrator, Computer Systems Analyst, Database Administrator, Software Developer, Applications Information Security Analyst



Professional Careers

Bachelor Degree*

Computer Science
Computer Science Technology
Computer Information Systems
Computer Engineering

Master Degree*

Computing & Information Science
Computer Science

Doctoral Degree*

Computational Science
Computer Science
Educational Technology
Information Systems

Extensive Work Experience*

Computer Network Architect
Computer Hardware Engineer
IT Project Manager
Software Developer
Computer & Information Systems Manager

*Students who meet certification criteria will have the opportunity to test in their CT program.

*Examples only. Degrees & work experience options are extensive.



The Cybersecurity & Digital Forensics program focuses on computer hardware, software, networking, cybersecurity, and operating systems. Students in this program work hands-on managing and securing a Windows Active Directory Domain infrastructure. Cybersecurity & Digital Forensics students work with various computer forensics tools used by law enforcement and government agencies.

Curriculum:

- Active Directory Services
- Computer forensics/collection of evidence
- Cybersecurity defense and reinforcement
- DHCP and DNS
- Desktop virtualization
- Installation/configuration of Microsoft Windows 10 Professional and Server 2016
- Linux installation
- Network security
- Protocols, IP addressing, workgroups and domains
- Remote access technologies
- Troubleshooting
- Esports

Certifications:

- CompTIA A+
- CompTIA Network+
- CompTIA Security+
- Internet and Computing Core [IC3]
- Microsoft® 365 Certified
- Information Technology Associate



Students have the opportunity to earn industry credentials and college credits.

This program is part of MCCC's IT Academy, which is the integration of three career-technical majors including Cybersecurity & Digital Forensics, Business & Marketing Technology and Software Engineering & Web Development.

Opportunities:

- Computer Forensics Examiner
- Information Technology
- Internship
- Network Administrator
- Network Operations Analyst
- Security Analyst
- Systems Administrator

SOFTWARE ENGINEERING & WEB DEVELOPMENT

Career Roadmap

MCCC Career Major

Academics¹

Web Design & Development, Programming & Software Development, Systems Analysis & Design, Database Design & Development, Information Technology

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma²
Earn Industry Certifications

MCCC Industry Certifications*

Internet Computing Core Certifications [IC3], Microsoft Office Specialist [MOS], Microsoft Technology Associate [MTA], Adobe Certified Associate [ACA], CPR & First Aid

Early Placement | Internships

Software Engineer, Web Developer, Programmer, Mobile Application Developer, Business / Systems Analyst, Quality Assurance Analyst, Technical Support Specialist

Technical Careers

Associate Degree³

Software Engineering, Programming & Software Development, Computer Science, Web Development, Mobile Application Development, Game & Design Development, 3D Digital Design, Information Technology

Advanced Certifications²

Microsoft Certified Solutions Associate, Microsoft Certified Solutions Developer, Microsoft Certified Solutions Expert, COMP TIA IT Fundamentals, COMP A+, COMP TIA Project+

Jobs with Work Experience & Associate Degree³

Software Developer, Web Developer, Mobile Application Developer, Business / Systems Analyst, Quality Assurance Analyst, Technical Support Specialist, Project Coordinator, Database Applications Developer / Administrator

Professional Careers

Bachelor Degree³

Software Eng., Computer Sci., Mgmt. Info. Systems, Web Development, Mobile Application Development, Game Design & Development, 3D Digital Design

Master Degree³

Software Eng., Computer Sci., Data Science, Info. Systems & Tech., Business Analytics, Project Mgmt.

Doctoral Degree³

Software Eng., Computer Sci., Data Sci., Info. Systems & Technologies, Business Analytics, Project Mgmt.

Extensive Work Experience³

Sr. Software Engineer, Software Development Mgr., Solution / Enterprise Architect, Dir. of Software Development, Sr. Business / Systems Analyst, Project Mgr., Sr. Web Developer, Sr. Quality Assurance Analyst, Sr. Database Applications Developer / Administrator, IT Manager, Data Scientist, Chief Info. Officer [CIO], Chief Technical Officer [CTO]

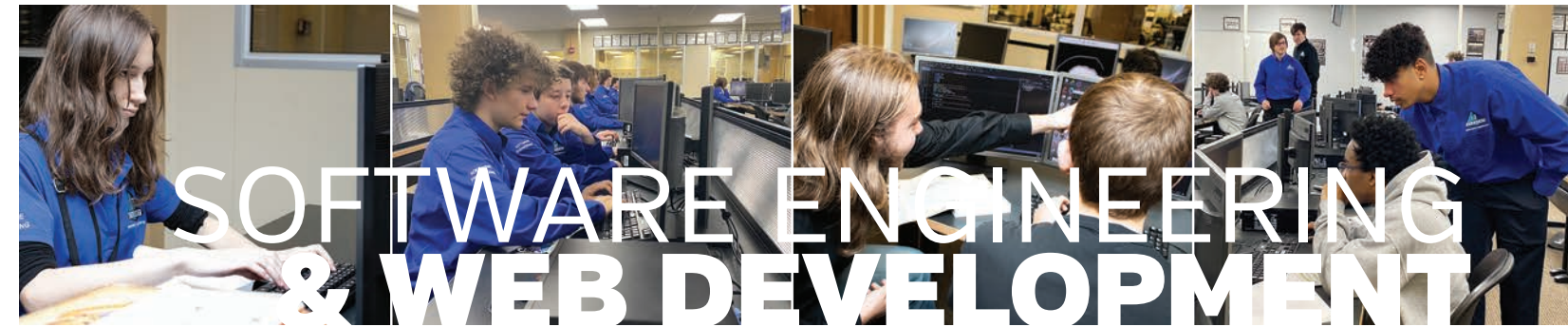
¹ Courses contain multiple subjects & languages

² Certifications are extensive in some categories

³ Examples of degrees & work experience options are extensive



*Students who meet certification criteria will have the opportunity to test in their CT program.



The Software Engineering & Web Development program is designed for students interested in software engineering, web development, and database administration. Students in this program are active in Business Professionals of America and have consistently placed at the top of their competitive field in national competitions. This program prepares students for post-secondary education and the information technology workforce.

Curriculum:

- ASP.NET Core fundamentals
- Database Design, Implementation and Management using Microsoft® SQL Server
- Internet Computing and Network Fundamentals
- Programming logic and design
- Structured Query Language [SQL]
- Systems Analysis and Design with emphasis on Agile methodologies
- Web Development using HTML5, CSS3 and JavaScript

Certifications:

- Adobe Certified Associate [ACA]
- CPR / First Aid
- Information Technology Specialist [ITS]
- Internet and Computing Core [IC3]
- Microsoft® Office Specialist [MOS]



Students have the opportunity to earn industry credentials and college credits.

This program is part of MCCC's IT Academy, which is the integration of three career-technical majors including Software Engineering & Web Development, Business & Marketing Technology and Cybersecurity & Digital Forensics.

ENGINEERING TECHNOLOGIES & DESIGN

Career Roadmap

MCCC Career Major

Academics

Engineering Design, Computer Integrated Manufacturing, Plan Reading, Engineering Principles, Engineering Capstone

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Autodesk Inventor [Mechanical Design]
Autodesk Revit [Architectural Design]
Auto CAD [Design & Drafting]
KUKA Robot Programming, OSHA 10-HR General Industry, CPR First Aid

Early Placement | Internships

Early Placement & Summer Internship opportunities are available in this program.

Technical Careers

Associate Degree

Adv. Manufacturing Engineering Technology, Operations Engineering Technology, Electrical / Electronic Engineering Technology, Engineering Technology Programs, Engineering Management, Bio-Medical Engineering Technology, Surveying

Advanced Certifications

3D Digital Design & Manufacturing Technology, Automated Maintenance Technician, Computer-Integrated Manufacturing, Electronic Engineering Technician, Mechatronics & Quality Control &

Jobs with Work Experience &

Associate Degree

Industrial Maintenance Technician, Machine Operator such as Press, Tool Room, Utility, EDM, CAD Operator / Drafter, CNC Operator, Inventor Designer, Maint. Mgr. Quality Tech., Apprenticeship



Professional Careers

Bachelor Degree*

Engineering Degree in: Aerospace Systems, Biomedical, Chemical, Civil, Computer, Corrosion, Electrical & Mechanical, Land Surveying

Master Degree*

Engineering Management, Electrical Engineering, Civil & Mechanical Engineering, Engineering in Project Management, Business Admin.

Doctoral Degree*

Project Management: Business, Doctor of Education: Engineering, Business Admin.: Management of Engineering & Technology, Strategy Innovation, Doctorate of Systems Engineering & Applied Sciences

Extensive Work Experience*

Senior Project Engineer, Mechanical Design Engineer, Programmer & Engineering Process Developer, Civil Structural Engineer, Environmental Engineer Project Manager

**Examples only. Degrees & work experience options are extensive.*

**Students who meet certification criteria will have the opportunity to test in their CT program.*



The Engineering Technologies & Design program is a sequence of pre-engineering courses introducing students to the scope and discipline of the profession. Students learn how to work in various engineering settings and use software such as Autodesk Inventor, Revit and more. Students who are currently enrolled in college preparatory math and science courses are eligible for this program.

Curriculum:

- AutoCAD
- Bridge Builder
- Computer Integrated Manufacturing
- Digital Electronics
- Engineering Design and Development Capstone
- Intro to Civil Engineering and Architecture
- Intro to Engineering Design
- Inventor
- KUKA Robotics
- PathPilot CNC Software
- Principles of Engineering
- Revit

Curriculum [cont'd]:

- Vex Code Programming Software
- National Project Lead the Way

Certifications:

- AutoCAD
- CPR / First Aid
- Inventor
- KUKA Robot Programming
- OSHA 10-Hour
- Revit

Opportunities:

- Architectural, Civil or Mechanical Drafter
- CAD Designer
- CNC Apprentice
- Civil Engineer
- Engineering Technician
- Internship
- Manufacturing Engineer
- Mechanical Engineer
- Robotics Engineer



Students have the opportunity to earn industry credentials and college credits.

PRECISION MACHINING TECHNOLOGY

Career Roadmap

MCCC Career Major

Academics

Machine Tools, Computer Numerical Control Technology with Industrial Mills & Lathes, Machining with Industrial Lathes, Machining with Industrial Milling Machines

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

NIMS Machining Level 1
OSHA 10-HR General Industry
CPR & First Aid

Early Placement | Internships

Mold Operator, Apprentice Machinist, Material Inspector, Machinery Mechanic

Technical Careers

Associate Degree

CNC Machining & Composite Mfg., Integrated Systems Engineering Technology, Manufacturing / Industrial Engineering Tech., Mechanical Engineering Technology, Operations Engineering Technology, Millwrighting

Advanced Certifications

Automation Maintenance Technician, Computer Aided Drafting, Computer Integrated Mfg., Machine Tools Operation, Mechatronics, Quality Control

Jobs with Work Experience & Associate Degree

Production Technician, Tool & Die Maker, Machinist, Industrial Engineering Technician, Engineering Technician, CNC Machine Shop Supervisor



Professional Careers

Bachelor Degree*

Advanced Manufacturing Engineering Technology, Mechanical Engineering Technology, Mechanical Engineering, Automated Manufacturing Engineering Technology

Master Degree*

Mechanical Engineering
Industrial Engineering

Doctoral Degree*

Engineering: Thermal-Fluid Sciences, Mechanics, Materials, Controls Mfg.

Extensive Work Experience*

Manufacturing Engineer, Materials Engineer, Industrial Production Manager, Industrial Engineer, Mechanical Engineer, Engineering Dept. Supervisor

**Examples only. Degrees & work experience options are extensive.*



The Precision Machining Technology program incorporates Tooling U and MasterCam Online training into its curriculum to provide students with in-depth knowledge of all aspects of metalworking and manufacturing. Students learn skills for safe operation of modern metalworking tools such as lathes, mills, drills, grinders, and computerized numerical control equipment.

Curriculum:

- Abrasives and precision grinding machines
- Basic metallurgy, heat treating
- CNC/CAD/CAM lathe
- CNC/CAD/CAM milling
- Contour bandsawing
- Drill press operations
- Electrical discharge machining
- Engine lathe operations
- G&M coding
- Geometric dimensioning and tolerancing
- Layout, hand tools and benchwork
- Machine shop theory

Curriculum [cont'd]:

- MasterCam
- Medical machining
- Milling machine operations
- Physics of metal cutting
- Precision measurement
- Print reading
- Tooling U
- Vertical/horizontal saw operation
- Welding and material joining technology
- Welding theory



Students have the opportunity to earn industry credentials and college credits.

Certifications:

- Pre-Apprenticeship ODE
- Career Safe 10-Hour OSHA Manufacturing
- CPR/First Aid & AED
- Haas Basic CNC Lathe Operator
- Haas CNC Basic Mill Operator
- FASTech Mastercam Certified for Lathe Turning CNC
- FASTech Mastercam Certified for 2.5 Axis Milling CNC

Opportunities:

- Engineering / Design / Internship
- Machine Set-Up/Machine Repair
- Machinist/CNC Machinist
- Mold Maker / Tool and Die Maker
- Quality Control Inspector
- Tooling/Applications Engineer

AUTOMOTIVE COLLISION TECHNOLOGY

Career Roadmap

MCCC Career Major

- Academics**
Collision Nonstructural Inspection & Repair, Collision Painting & Refinishing, Collision Structural Inspection & Repair, Collision Electrical & Mechanical Systems
- College Credit**
Students have the opportunity to earn college credit in this program.
- Goals**
Earn High School Diploma
Earn Industry Certifications
- MCCC Industry Certifications***
ASE Student Certifications-Entry Level, EPA 6H Spray Gun, Plio-Grip Plastic Repair, OSHA 10-HR Automotive Certification, CPR & First Aid, Safety, Pollution Prevention
- Early Placement | Internships**
Estimator Assist., Auto Body Tech., Auto Parts Sales Associate, Paint Parts Prep, Parts Disassembly, Assistant Frame Tech.

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

- Associate Degree**
Business Management, Auto Body Repair Technology, Electrical / Electronic Engineering Technology
- Advanced Certifications**
Industrial Welding, ASE Master Collision Repair & Refinish, Electronic / Electrical Engineering Technician
- Jobs with Work Experience & Certifications / Associate Degree**
Auto Service Sales Associate, Collision Estimator, Welder, Collision Repair Technician, Refinish Technician, Service / Parts Clerk, Service Writer, Automotive Glass Installer, Auto Detailer



Professional Careers

- Bachelor Degree***
Industrial Design, Transportation Design, Mechanical / Automotive Engineering, Business Management, Finance
- Master Degree***
Automotive Engineering: Design & Manufacturing, Energy & Environment, Materials, Noise & Vibration, Electronics & Software
- Doctoral Degree***
Mechanical Engineering, Automotive Engineering, Transport Technology & Management, Finance
- Extensive Work Experience***
Auto Body Shop Owner, Custom Painter, Insurance Claims Adjuster, Manufacturers' Rep., Service / Parts Manager, Automotive Designer, Insurance Investigation, Policy Issuance

**Examples only. Degrees & work experience options are extensive.*



AUTOMOTIVE COLLISION TECHNOLOGY



The ASE and NATEF certified Automotive Collision Technology program teaches students how to repair, refinish and restore the body of damaged vehicles. This includes trim and glass, safety and pollution prevention, plastic repair and EPA 6H Rule technical training.

Curriculum:

- Business and office procedures
- Computerized damage appraisal
- Fiberglass, sheet metal and plastic repair
- Frame alignment
- Fundamentals of metal work
- Painting and refinishing
- Parts and glass replacement
- Unibody construction and alignment repair



Certifications:

- ASE Student Certification - Entry Level
- EPA 6H Spray Gun
- CPR / First Aid
- OSHA 10-Hour: Automotive
- Plio-Grip Plastic Repair
- Safety, Pollution Prevention and Soft Skills

Opportunities:

- Collision Repair Technician
- Detailer, Estimator
- Frame Technician
- Internship
- Refinish Technician
- Restoration

Facilities/Equipment:

- Students learn in our newly renovated classroom and lab. Some equipment includes:
- 40-ton frame machine
 - Down draft spray booth systems
 - Laser guided measuring systems
 - MIG and STRSW resistance metal welders
 - Metal fabrication equipment
 - Nitrogen plastic welder
 - Virtual reality paint simulator

Students have the opportunity to earn industry credentials and college credits.

AUTOMOTIVE TECHNOLOGY

Career Roadmap

MCCC Career Major

Academics

Ground Transportation Maintenance, Automotive Brakes & Suspension, Steering Systems, Ground Transportation Electrical / Electronic, Automotive Engine Performance

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

ASE Student Certifications-Entry Level
OSHA 10-HR Automotive Certification
CPR & First Aid

Early Placement | Internships

Apprentice
Automotive Service Technician

Technical Careers

Associate Degree

Business Management
Automotive Technology
Ford ASSET
General Motors ASEP

Advanced Certifications

Automotive Maintenance & General Service
Ford Maintenance & Light Repair

Jobs with Work Experience & Advanced Certifications / Associate Degree

Certified Auto Service Technician
Master Auto Service Technician
Auto Parts Service Manager
Automotive Mechanical Test Technician
Automotive Electronics Technician

Your College & Career



Professional Careers

Bachelor Degree*

Automotive Engineering:
Engine Parts, Fuel Cell Systems, Powertrain Dynamics, Alternative Energy Sources, Automotive Electronics

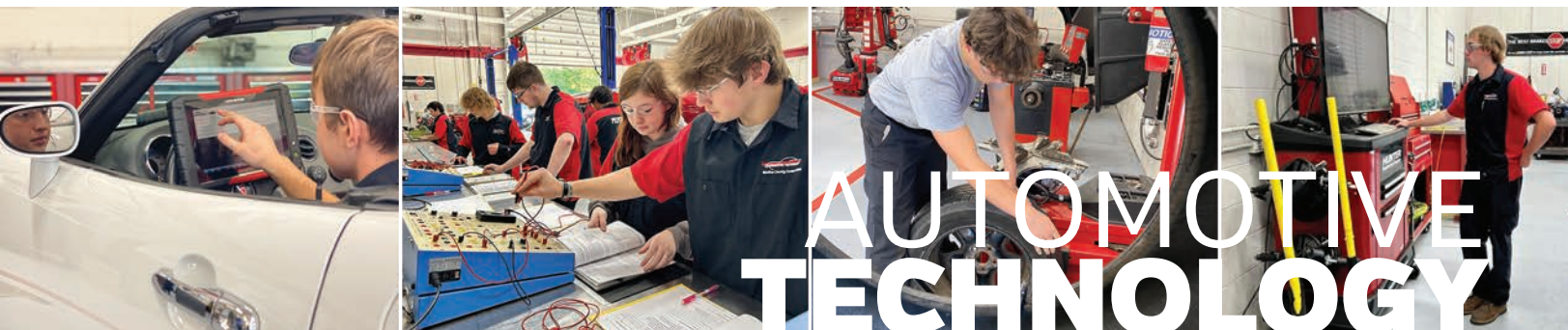
Master Degree*

Automotive Engineering: Design & Manufacturing, Energy & Environment, Materials, Powertrain, Dynamics & Control, Electronics & Computer Software, Noise & Vibration

Doctoral Degree*

Automotive Engineering
Mechanical Engineering
Extensive Work Experience*
Corporate Mechanic, Dealership Supervisor, Auto Quality Engineer, Product Engineer, Automotive Systems Engineer, Automotive Innovation & Development Engineer, Entrepreneur

**Examples only. Degrees & work experience options are extensive.*



The ASE and NATEF certified Automotive Technology program teaches students how to diagnose, adjust, repair and replace mechanical and electrical parts of an automobile. Students gain hands-on experience with brake systems, alignments, engines and more to become an entry level technician.

Curriculum:

- Brake operation and repair
- Business operating techniques and procedures
- Cooling systems operation and repair
- Diagnostic equipment operation
- Electrical systems operation and repair
- Emissions control systems operation and repair
- Engine construction, operation and repair
- Front and four wheel alignment
- Fuel systems operation and repair

Curriculum [cont'd]:

- Perform preventive maintenance
- Repair engines
- Repair standard and power brake systems
- Research and use of service data from computer terminal
- Steering and suspension systems operation and repair
- Testing and diagnostic checks of automotive computer and electrical systems



Students have the opportunity to earn industry credentials and college credits.

Certifications:

- ASE Student Certification - Entry Level
- CPR / First Aid
- OSHA 10-Hour: Automotive

Opportunities:

- Automotive Electrical Specialist
- Automotive Technician
- Diagnostician, Estimator, Internship
- Technician in fuel systems, brakes, tune-ups, exhaust systems and/or front ends

DIESEL TECHNOLOGY

Career Roadmap

MCCC Career Major

- Academics**
Ground Transportation: Maintenance
Truck Diesel Engines
Ground Transportation: Electrical, Truck Braking, Suspension, & Steering
- College Credit**
Students have the opportunity to earn college credit in this program.
- Goals**
Earn High School Diploma
Earn Industry Certifications
- MCCC Industry Certifications***
ASE Student Certification - Entry Level
OSHA 10-HR Automotive Industry Certification
CPR & First Aid
- Early Placement | Internships**
Diesel Technician

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

- Associate Degree**
Business Management
Heavy Equipment Operations
Welding Technology
Logistics
- Advanced Certifications**
Industrial Welding, Power
Industrial Truck / Forklift Operator, Class A CDL Truck Driver Training, Class B CDL Accelerated Training, Hazardous Materials
- Jobs with Work Experience & Certifications**
School Bus Driver, Diesel Mechanic, Light Truck Driver, Welder, Apprentice, Heavy Equipment Repair Technician



Professional Careers

- Bachelor Degree***
Transportation & Logistics Management, Supply Chain & Logistics Management
Operations Management
- Master Degree***
Geotechnical & Hydraulic Engineering, Civil Engineering
- Doctoral Degree***
Automotive Engineering: Technology in Transportation & Telecommunications, Transport Means & Infrastructure, Transport Technology & Management
- Extensive Work Experience***
Transportation Supervisor, Logistician, General Operations Manager, Purchasing Manager, Heavy Equipment Repair Mechanic

**Examples only. Degrees & work experience options are extensive.*



DIESEL TECHNOLOGY



The ASE and NATEF nationally certified Diesel Technology program offers training in diagnosing, disassembling, reconditioning and replacing diesel engines and components used to power trucks, buses, construction equipment, electric generators, railroad trains, ships and other similar equipment.

Curriculum:

- Brakes (air and hydraulic)
- Clutch and transmissions
- Commercial driver's license prep
- Diesel engines
- Drive axles
- Electronic controls
- Fuel systems
- Suspension systems
- Trucking industry operation
- Welding skills



Certifications:

- ASE Student Certification - Entry Level
- CPR / First Aid
- OSHA 10-Hour: Automotive

Opportunities:

- Bus Driver
- Diesel Mechanic
- Heavy Equipment Operator
- Heavy Equipment Technician
- Internship
- Truck Driver
- Railroad Industry

Students have the opportunity to earn industry credentials and college credits.

Facilities/Equipment:

- Students learn in our newly renovated classroom and lab. Some equipment includes:
- Basic hand tools
 - CAT Simulator
 - Four channel lab scope
 - Four tower lift system
 - MIG welder
 - OBD II scan tool
 - Plasma cutter
 - TIG welder
 - Various commercial truck tools

POWER EQUIPMENT TECHNOLOGY

Career Roadmap

MCCC Career Major

Academics

Engines & Fuel Systems
Outdoor Power Technology
Electronic & Electrical Systems
Hydraulics & Pneumatics

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Honda TACS, Briggs & Stratton, 2 Cycle & 4 Cycle EETC, STIHL Bronze, OSHA 10-HR Agricultural Industry, CPR & First Aid

Early Placement | Internships

Entry Level Power Equipment Technician
Equipment Sales Associate

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

Associate Degree

Agricultural Business Management, Agricultural Systems Management, Hydraulic Power & Motion Control, Associate of Applied Science in Power Equipment, Sustainable Agriculture Turfgrass Management

Advanced Certifications

Agricultural Systems Certification, Hydraulic Service & Repair, Turfgrass Equipment Manager, Industrial Welding Powered Industrial Truck / Forklift, Operator Training

Jobs with Work Experience & Associate Degree

Agricultural Equipment Mechanic, Power Equipment Mechanic, Welder, Equipment Sales Associate, Parts Manager, Hydraulics Technician



Professional Careers

Bachelor Degree*

Agricultural Systems Mgmt., Engineering: Agricultural, Biological, Machine Systems; Agriscience Education, Natural Resources Mgmt.

Master Degree*

Environmental Eng., Agricultural Eng. Agricultural Education & Communication, Turfgrass Mgmt.

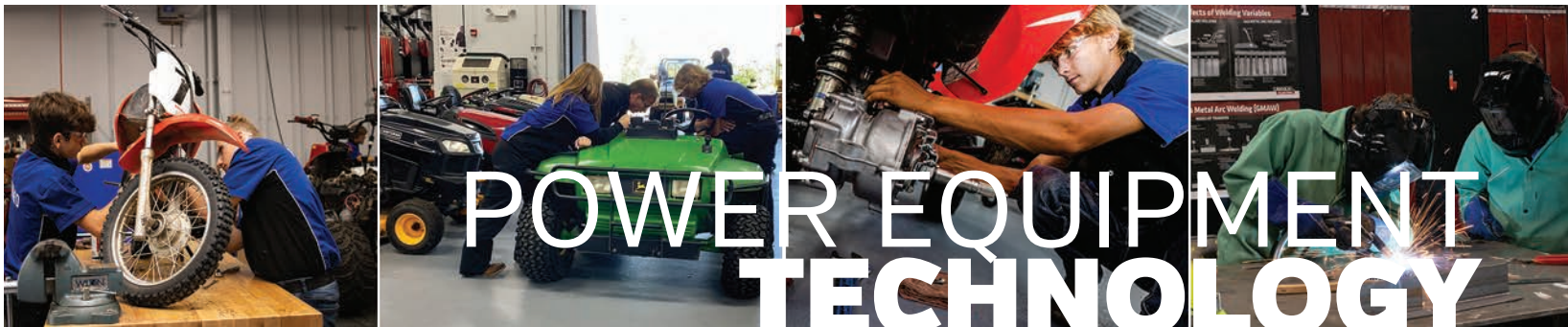
Doctoral Degree*

Electronic & Circuits & Systems, Power Electronics & Power Systems, Agricultural & Biological Engineering, Horticulture, Agribusiness & Managerial Economics

Extensive Work Experience*

Agricultural Operations Mgr, Power Equipment Sales Mgr, Ground Maintenance Supervisor, Golf Course Superintendent, Tractor Mgr, Entrepreneur, Mechanical Engineer, Precision Agriculture Specialist

**Examples only. Degrees & work experience options are extensive.*



The EETC certified Power Equipment Technology program focuses on maintenance, diagnostic and repair of four-cycle gasoline and diesel engines, transmissions, electrical systems and hydraulic systems. Students receive training on ATVs and motorcycles, as well as marine, industrial and agricultural equipment.

Curriculum:

- ATV and motorcycle repair
- ARC welding
- Equipment operation
- MIG welding
- Overhaul, diagnosis and maintenance of:
 - Diesel engines
 - Electrical systems
 - Gasoline engines
 - Hydraulic systems
 - Lawn and garden equipment
 - Transmission systems
- Oxyacetylene welding, brazing, and cutting

Certifications:

- 4-Cycle EETC Engine
- CPR / First Aid
- Honda TACS Training
- OSHA 10-Hour: Agriculture
- STIHL Icademy Bronze Training
- Electrical Systems EETC



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- ATV Mechanic
- Agricultural Mechanic
- Construction Mechanic
- Internship
- Golf and Turf Mechanic
- Lawn/Garden Equipment Mechanic
- Motorcycle Mechanic
- Parts Service
- Sales

DIGITAL DESIGN

Career Roadmap

MCCC Career Major

Academics

Visual Creation, Motion Graphics, Digital Imaging Editing, Digital Print Design

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Adobe Photoshop CC
Adobe InDesign CC
Adobe Illustrator CC
CPR & First Aid
OSHA 10-Hour General Industry

Early Placement | Internships

Junior Designer, Image Editor
Pre-Production Assistant
Marketing Assistant
Communications Assistant

Technical Careers

Associate Degree

Associate of Applied Science in:
Visual Communication & Design
with a concentration in:
Illustration, Graphic Design, or
Interactive Media

Advanced Certifications

Digital Design & Product
Innovation, 3D Animation &
Design, Motion Graphics, Web
Design & Development,
User Interface Design Software

Jobs with Work Experience & Post-Secondary Education

Apprenticeship, Illustrator,
Graphic Designer, Computer
Animator, Digital Artist, Special
Effects Artist, 3D Modeler, Page
Layout Artist, Digital Media
Sales Representative



Professional Careers

Bachelor Degree*

Bachelor of Fine Arts in: Digital
Design; Bachelor of Arts in:
Computer Animation & Video,
Interactive Multimedia & Imaging

Master Degree*

Master of Fine Arts in Digital
Arts, 3-Dimensional Studies,
2-Dimensional Studies, Digital
Animation, Interactive Media,
Master in Art in Art Education or
Art History

Doctoral Degree*

Art, Design & Performance Arts
Administration, Education & Policy,
History of Art, Visual Studies,
Materials Design & Innovation

Extensive Work Experience*

Art Director, Commercial Designer,
Executive Creative Director,
Multimedia Artist / Animator, Art
Educator, Marketing, Internet &
Social Media

**Examples only. Degrees &
work experience options are
extensive.*



The Digital Design program prepares students for a career in the visual communications industry. Students focus on traditional and digital art and design. This program is enhanced through experiential opportunities such as field trips, job shadowing, internships and early placement. Upon completion of this program, students have the knowledge and skills necessary to pursue a post-secondary education at a community college, four-year university or art college and/or obtain employment in an entry level art/design position.

Curriculum:

- Elements and Principles of Design
- Design Thinking
- Typography
- Page Layout
- Digital Illustration
- Image Manipulation
- Advertising and Marketing
- Screen Printing
- Shop Safety
- Digital Printing
- Color Theory

Certifications:

- Adobe Photoshop CC
- Adobe Illustrator CC
- Adobe InDesign CC
- CPR/First Aid
- OSHA 10-Hour General Industry



*Students have the opportunity to earn
industry credentials and college credits.*

Opportunities:

- Graphic Designer
- Production Artist
- Package Designer
- Game Designer
- Illustrator
- Multimedia Artist
- Animator
- Web Designer
- User Experience (UX/UI) Designer
- Interior Architecture Designer
- Industrial Designer
- Art Therapist

This program is one of the components of the Visual Media Imaging (VMI) Academy, along with Graphic Arts & Printing Technology and Media Production. This academy provides collaborative, real-world experiences that help students build skills in all three areas of study.

GRAPHIC ARTS & TECHNOLOGY

Career Roadmap

MCCC Career Major

Academics

Visual Creation, Digital Print Design, Digital Image Editing, Distribution

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Adobe Photoshop CC
Adobe Illustrator CC
Adobe InDesign CC
CPR & First Aid
OSHA 10-HR General Industry Certification

Early Placement | Internships

Electronic Pre-press Technicians, Press Operators, Bindery Workers

Technical Careers

Associate Degree

Associate of Applied Business in: Visual Communication & Design, Graphic Design, Illustration, Web & Interactive Media

Advanced Certifications

Digital Design & Product Innovation, Graphic Design, User Interface Design Software, Motion Graphics, 3D Animation Illustration

Jobs with Work Experience & Advanced Certifications

Electronic Prepress Technician, Screen Printer, Freelance Brand & Graphic Designer, Bindery Operator, Digital & Offset Press Operator, Marketing Specialist, Vinyl & Wide-Format Printer



Professional Careers

Bachelor Degree*

Graphic Design, Printmaking, Art Education, Industrial Design

Master Degree*

Master of Education: Art
Master of Fine Arts: Art History

Doctoral Degree*

Art, Design & Performance Arts Administration, Education & Policy, History of Art, Visual Studies, Materials Design & Innovation

Extensive Work Experience*

Art Director, Commercial Designer, Senior Marketing Director, Industrial / Product Designer, Multimedia Artist / Animator, Creative Director, Production Artist, Production Manager, Estimator, Educator, Department Supervisor

**Examples only. Degrees & work experience options are extensive.*

**Students who meet certification criteria will have the opportunity to test in their CT program.*



The Graphic Arts & Printing Technology program helps students gain the knowledge and skills necessary to pursue a career in the arts and communication industries. Students enrolled in this program focus on print layout and design, screen printing, offset and digital press operation, electronic pre-press, wide format printing, bindery operations and more.

Curriculum:

- Computer graphics
- Digital production
- Large format printing
- Manage, organize and produce by deadlines
- Offset press set-up
- Textile printing/screen printing
- Vinyl printing and applications

Certifications:

- Adobe Illustrator CC
- Adobe InDesign CC
- Adobe Photoshop CC
- CPR / First Aid
- OSHA 10-Hour



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- Graphic Artist
- Large Format Printer
- Offset Press Operator
- Pre-press Technician
- Production Controller
- Screen Printer
- Vinyl Sign Print Technician

This program is one of the components of the Visual Media Imaging (VMI) Academy, along with Digital Design and Media Production. This academy provides collaborative, real-world experiences that help students build skills in all three areas of study.

MEDIA PRODUCTION

Career Roadmap

MCCC Career Major

Academics

Digital Photographic Composition, Production Lighting, Precision Retouching, Digital Cinema, Photography, Digital Camera, Audio for Video

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Adobe Premiere Pro CC, Adobe Photoshop CC, OSHA 10-HR General Industry Certification, CPR & First Aid

Early Placement | Internships

Customer / Sales Service Rep., Photographer, Photographer Assistant, Production Assistant, Assistant Editor, Photo Editor, Content Creator

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

Associate Degree

Media Arts & Filmmaking, Photography, Recording Arts & Technology, Theatre Arts, Web & Interactive Media, Media & Journalism Studies

Associate of Arts in Journalism: Ethics & Media Law, News Reporting

Advanced Certifications

Digital Video Linear Editing
Photo Retouching & Manipulation, 3D Animation & Design, Game Design, Illustration, Motion Graphics, Web Design, Digital File Management

Jobs with Work Experience & Associate Degree

Apprentice, Social Media Associate, Broadcast Technical Operator, Audio / Visual Technician, Videographer, Reporter, Photographer

Your College & Career



Professional Careers

Bachelor Degree*

Journalism & Mass Communication, Creative Media Production, Photography, Broadcasting

Master Degree*

Master of Arts in Media Photojournalism, Master in Communications & Broadcasting

Doctoral Degree*

Studio Art
Film, Media & Communication, Art Education, Creative Arts, Art & Design

Extensive Work Experience*

Technical Director, Broadcast News Analyst, Professional Portrait Photographer, Freelance Photographer, Photojournalist, Musical Theatre Director, Entrepreneur

**Examples only. Degrees & work experience options are extensive.*



The Media Production program helps students gain the knowledge and skills necessary to pursue a career in the arts and communication industries. Students enrolled in this program focus on video production, videography, digital photography, video editing, digital cinema production, and more.

Curriculum:

- Digital cinema
- Digital delivery
- Digital imaging and editing
- Location lighting
- Scripting
- Storyboarding
- Studio lighting
- Video editing
- Video production

Certifications:

- Adobe InDesign CC
- Adobe Photoshop CC
- Adobe Premier Pro CC
- CPR / First Aid
- OSHA 10-Hour



Students have the opportunity to earn industry credentials and college credits.

Opportunities:

- Commercial Photography
- Editorial Photography
- Portrait/Wedding Photography
- Video Editor
- Video Producer
- Videography/ Cinematography

This program is one of the components of the Visual Media Imaging (VMI) Academy, along with Digital Design and Graphic Arts & Printing Technology. This academy provides collaborative, real-world experiences that help students build skills in all three areas of study.

CAREER & COMMUNITY EXPERIENCE

Career Roadmap

MCCC Career Major

- Academics**
Introduction to Job Training, Fundamentals in Job Training, Project Discovery Career Exploration Curriculum & Lab
This is a non-recruitment program. Students Must be referred by their associate school.
- Goals**
High School Diploma, Job Development transfer from school to employment, CPR & First Aid, ODE Pre-Apprenticeship
- Simulated Workplace Opportunities:**
MCCC Mail Delivery, CCE Hydroponics Lab, Unified Champion Schools Activities, Community Business Work Skills Lab, The Imporvaneer Method Activities, CCE & MCCC Lab Peer Learning, CCE Kindness Initiative

**Placement sites & virtual tours will vary depending on the School year & availability.*

Technical Careers

- Technical & Professional Careers**
Inventory Specialist, Food / Restaurant Service Employee, Greenhouse Assistant, Clerical / Office Associate, Restaurant Host / Hostess, Production Line Attendant, Customer Service Associate, Retail Associate, Assistant Service Deli Associate, Assistant Janitorial / Maintenance Worker
- Work Placement | Job Sites**
Past Placements Include:
Twisted Burgers & Sushi
McJak Candy
Feeding Medina County
Classroom Antics
Unified Champion Schools



Educational Opportunities

- Post-Secondary Opportunities**
Career & Community Studies - Employment Readiness - Kent State University
The Ohio State University TOPS Program
Bowling Green State University Clark Inclusive Scholars Program
- Extensive Work Experience**
Certified Production Technician
Certified Microsoft Office Associate
Hydroponic Specialist

**Examples only. Degrees & work experience options are extensive.*



The Career & Community Experience Job Training Coordination Program specializes in integrated employment preparation through community work experience. CCE provides real-world, hands-on training through community-based partnerships and work experiences for the purpose of facilitating a transition from school to competitive integrated employment. Skill development areas of focus include professionalism, workplace safety, self-advocacy, job etiquette, workplace social skills, problem solving, adaptation, computer literacy, and workplace stamina, as well as various employment competencies specific to community work experiences. Placement in this program is based on team decision.

Skill Development:

- Ability to maintain focus
- Ability to maintain physical stamina and endurance
- Ability to reach acceptable solutions
- Acceptance of constructive criticism
- Demonstration of flexibility and adaptability
- Proficiency with assigned tasks

*Work-based learning program;
Associate School referral required*

Certifications:

- Heartsaver CPS, AED and First Aid
- Career Exploration Unit
- Family and Friends Heartsaver
- Youth @ Work Safety and Health

Opportunities:

- Community Service and Outreach
- Customer Service
- Engagement with School and Business Community
- Environmental and Sanitation Services
- Food Service
- Production and Packaging
- Warehouse and Manufacturing

CAREER **EXPLORATION**

Career Roadmap

MCCC Career Major

Academics

Introduction to Job Training
Fundamentals in Job Training
This is a non-recruitment program. Students must be referred by their associate school.

Goals*

High School Diploma
CEP Certificate
OSHA 10-HR General Industry
Telephone Doctor
CPR & First Aid

Work Placement | Job Sites

Past Placements Include:

Sandridge Food Corporation
Buehler's Fresh Foods
YAHAB
Habitat for Humanity

**Placement sites & virtual tours will vary depending on the school year & availability.*

**Students who meet certification criteria will have the opportunity to test in their CT program.*

Technical Careers

Exposure to Skills related to the Following Areas:

Social & Emotional Intelligence
Post-Secondary & Career Preparation
Financial Literacy
Information, Media & Technological Literacy
Health Literacy
Business Readiness Skills
Legal Practices & Ethical Aspects of Work
Safety
Communication Skill
Customer Skills
Entrepreneurial Concepts
Problem Solving & Critical Thinking



Professional Careers

Jobs with Work Experience

Food Preparation Worker
Food Service Assistant
Bakery Attendant
Assistant Service Deli Associate
General Stock Associate
Maintenance Worker

Exposure to skills leading to Post-Secondary | MCCC Adult Education Opportunities*

Microsoft Office–Introductory
Medical Office Administrative Assistant
Basic Home Repairs
Certified Production Technician
Telehandler Operator Training

**Examples only. Degrees & work experience options are extensive.*



The Career Exploration program introduces students to a variety of career technical programs. To prepare for future vocational and career experiences, students learn professional communication techniques and employability skills including problem-solving, leadership and collaboration. This program can provide work placement and job site opportunities.

Curriculum:

- Business readiness skills
- Communication skills
- Customer Service
- Entrepreneurial concepts
- Financial literacy
- Health literacy
- Information, media and technological literacy
- Legal practices and ethical aspects of work

Curriculum (cont'd):

- Post-secondary and career preparation
- Problem-solving and critical thinking
- Safety
- Social and emotional intelligence



*Work-based learning program;
Associate School referral required*

Certifications:

- Heartsaver CPR, AED and First Aid
- OSHA 10-Hour
- Telephone Doctor (Customer Service)

Opportunities:

- Customer Service
- Food Service
- Internship
- Manufacturing



PROJECT LEAD THE WAY (PLTW)



The Career Training program provides students the opportunity to participate in one of MCCC's career majors with the assistance of a team who monitors their progress in the program. The Career Training team works closely with the students and their instructors to ensure they are supported within their program.

Career Major

Options

- Animal Management & Care
- Automotive Collision Technology
- Automotive Technology
- Business & Marketing Technology
- Chef & Restaurant Management
- Cosmetology
- Cybersecurity & Digital Forensics

Work-based learning program;
Associate School referral required

Career Major

Options

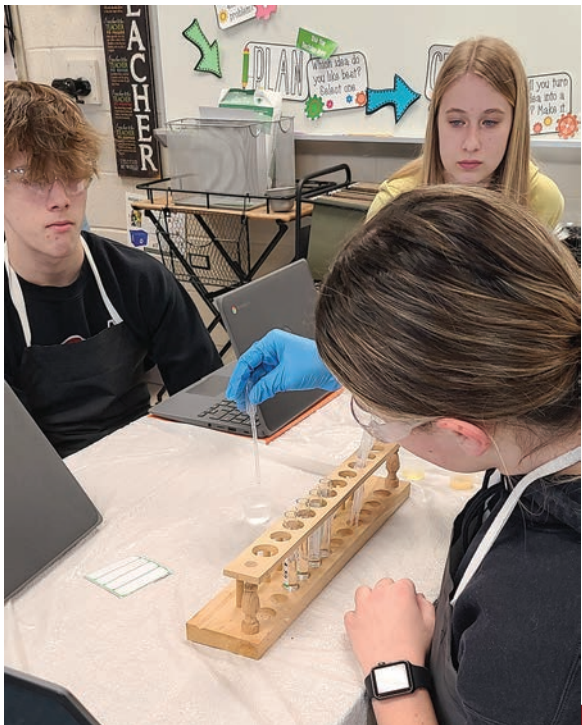
- Construction Trades
- Construction Electricity
- Criminal Justice
- Diesel Technology
- Digital Design
- Diversified Medical Technologies
- Engineering Technologies & Design
- Firefighter | EMT
- Graphic Arts & Printing Technology
- Heating, Ventilation & Air Conditioning

Career Major

Options

- Media Production
- Power Equipment Technology
- Precision Machining Technology
- Software Engineering & Web Development
- Sports Medicine & Exercise Science
- Teaching Professions
- Vision Care

Curriculum, certifications and employment opportunities are program dependent.



In addition to the PLTW classes that MCCC provides at the middle school level in our partner schools, the MCCC also offers PLTW classes at Brunswick, Buckeye and Medina High Schools.

Course offerings vary by district, but may include:

- Principles of Biomedical Science
- Human Body Systems
- Medical Interventions
- Biomedical Innovation

These classes focus on the biomedical field and provide hands-on experience and foundational knowledge related to biology, anatomy and physiology, clinical medicine, genetics, microbiology and laboratory research.

Students have the potential to earn college credits in some PLTW classes.



Academics

ENGLISH

English III

Students experience a literature-based comprehensive communications course through American Literature from a variety of genres and begin to develop a two-year writing portfolio focusing on reading, writing and oral communication skills.

English III Honors

Exploration of different styles of American Literature by in-depth analysis of literature and beginning development of a two-year writing portfolio with an emphasis on skills required for college SAT and ACT testing.

English IV

English IV is based on British and World Literature. The areas of instruction include listening skills, speaking, viewing/observing, reading, writing and critical thinking skills.

English IV Honors

Focusing on British and World Literature, students develop skills required for college SAT and ACT reading and writing.

College Credit Plus College Composition I ENGL161

An introduction to fundamental college-level skills in academic reading and writing. Summary, analysis, synthesis and research documentation are emphasized, along with critical thinking and collaborative learning.

College Credit Plus College Composition II ENGL162

A writing course continuing the practice of skills introduced in College Composition I, as well as strategies of argumentation and secondary research leading to a research paper.

College Credit Plus English Introduction to Fiction ENGL255

Study of short stories and novels to acquaint the general student with important themes and critical perspectives applicable to fiction. Required successful completion of College Composition 161 to enroll.

College Credit Plus Introduction to Poetry ENGL257G

Designed to help students understand and appreciate poetry through intensive study of representative poems. Required successful completion of College Composition 161 to enroll.

Speech [Elective]

Students develop communication skills including effective listening and non-verbal skills, research organization, presentation style, technology incorporation, group discussion and group participation.

English: Books to the Big Screen [Elective]

This course looks closely at the relationship between literature and film. Students study literature and films from a comparative perspective, exploring themes, genres, characters and plot.

MATHEMATICS

Algebra II

This class covers the foundational topics of linear and quadratic relations, systems of equations, exponents, polynomials, rational expressions, roots, radicals, irrational and complex numbers, functions, logarithms and trigonometry.

Academic Algebra II

This class covers more advanced topics include solving linear equations and systems of equations, quadratic and higher-degree equations, rational expressions, logarithms, patterns, fundamental probability and fundamental trigonometry. Admission into this class is based upon a sound foundation of Algebra and Geometry.

Math Analysis [Seniors Only]

This course will reinforce student understanding of geometry and algebra topics including, but not limited to, rational, exponential, and trigonometric functions with a complement of statistics, probability and financial applications. Students will apply these functions to real life applications through problem solving, projects and technology.

Functions, Statistics and Trigonometry

This class is designed for students who have completed Algebra II and wish to strengthen their skills in preparation for Pre-Calculus and/or college-level Algebra.

Pre-Calculus

Topics include the analysis of conic sections, permutations and combinations with probability, sequences and series, advanced trigonometry, exponential and logarithmic functions and the fundamentals of limits with an introduction to derivatives. Admission into this class is based upon sound completion of Algebra II.

Calculus

Topics include number systems and properties, limits, derivatives and integrals. Applications of all problems will be discussed following each topic. Admission into this class requires successful completion of Pre-Calculus and teacher recommendation.

AP Pre-Calculus

AP Pre-Calculus prepares students for college-level mathematics and science courses. Students will study functions through their graphical, numerical, verbal and analytical representations and applications. Main topics will include polynomial, rational, exponential, logarithmic, trigonometric and polar functions.

College Credit Plus College Algebra MTHM 171

An accelerated course of algebraic functions, equations, systems of equations, inequalities, exponential and logarithmic functions, including linear, quadratic, higher order polynomial, rational, radical, piece-wise defined functions and absolute value. Designed primarily for the Calculus-bound student.

College Credit Plus Trigonometry MTHM 174

This course is for the Calculus-bound student. A study of angles; trigonometric equations and inequalities; trigonometric models; right and oblique triangles; polar equations and graphs; and vectors.

AP Statistics

The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1) Exploring Data; 2) Sampling and Experimentation; 3) Anticipating Patterns; and 4) Statistical Inference.

AP Calculus

AP Calculus AB is comparable to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals and the Fundamental Theorem of Calculus. Students learn how to use technology to help solve problems, experiment, interpret results and support conclusions.

American Government

American Government covers the Constitution, Legislative branch, Executive branch, Judicial branch, political parties, and state and local government.

College Credit Plus American National Government PLSC156

The course covers the nature, purpose and forms of government of the United States at the national level and focuses on relationships between structure, function and process. The dynamics of political change, including the role and significance of the U.S. Constitution and current issues of American public policy, are addressed.

College Credit Plus Comparative Politics PLSC151G

This course provides a general survey introducing fundamentals of political theories, institutions, processes and methods of analysis. Social sciences core course.

Economics

Students learn and use economic ways of thinking and problem solving in order to understand our changing world of commerce by studying producing, exchanging, saving and investing.

American Sociology

A sociological study of the structure of society and culture in America; this course looks at how groups are formed and organized in society with a focus on the role of the individual within the group.

Psychology

This course is designed to provide the student with a broad background in psychology. This course is a general survey of the various areas of psychology and is intended to provide a scientific basis for understanding thoughts, emotions and behavior. The course is also intended to help students better understand themselves and other people and the forces that shape our existence.

SOCIAL STUDIES

Environmental Science

Students study ecosystems and the interactions that occur between the inhabitants of these ecosystems, with an emphasis on those found in Ohio and Medina County.

Forensic Science

Forensic Science is a course that uses scientific and structured approaches to the investigation of crimes. Students will learn terminology and investigative procedures related to scientific procedures used to solve crimes. Areas of consideration include crime scenes, questioning, interviewing, criminal behavior characteristics and truth detection. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics and blood spatter analysis. In addition, students will learn the history, legal aspects and career options in forensic science.

Physics

Introducing students to key concepts and theories that provide a foundation for further study in science and scientific literacy, Physics is a systematic study of the predictive physical interactions of matter and subsequent events. Students engage in investigations in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis and communications skills with real-world applications.

AP Physics

AP Physics AB is an algebra-based, introductory college-level Physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, mechanical waves and sound.

Chemistry

A systematic study of the structure and composition of matter and the changes that it undergoes, with particular reference to the relationship of chemistry to mammals.

AP Chemistry

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to understand courses in college where general chemistry is a prerequisite.

Physics of Digital Electronics [Seniors Only] [Project Lead The Way]

A study of the electronic circuits that are used to process and control digital signals. The major focus of the course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. College credit is available.

Anatomy and Physiology

A systematic study of the structure and function of the vertebrate body with reference to man and quadrupeds. Provides students with a basic knowledge of body organs and helps develop an understanding of how the various organ systems work to make up an independent organism.

Academic Anatomy and Physiology

An advanced study of the structure and function of the vertebrate body with reference to man and quadrupeds. Provides students with an in-depth knowledge of body organs, helps develop an understanding of how the various organ systems work to make up an independent organism. **This course is available and encouraged for those who are in a healthcare-related career major.**

Health Bio-Chemistry

A systematic study of the organic compounds that are used to synthesize compounds in the body and the changes of energy release that occurs during these reactions.

Financial Literacy

This course is designed to introduce students to financial literacy skills to help them make responsible financial decisions. Concepts covered include financial planning, bank accounts, credit and loans, wages and taxes, investments and insurance. Students will gain the information and skills to implement a life-long plan for a strong financial future and excel in today's global workforce and society.

Spanish I, II, III, IV

All courses are based on a method that involves providing personalized and comprehensible input through listening, speaking, reading and writing so that the brain acquires Spanish more naturally. This approach is based on decades of second language acquisition research. Students will learn through a variety of authentic resources to foster fluency and will be supplemented with grammar lessons, especially at the upper levels. Additionally, students will deepen their understanding and appreciation of Spanish-speaking cultures in the U.S. and abroad.

Transitions: College and Career

Workplace subject matter and learning activities are concerned with the basic principles and processes of positive communications and leadership development; safety, personal and professional career development, the attainment of proactive decision making and problem solving skills, work ethic expectations, job seeking, retention and advancement skills.

ADDITIONAL ACADEMIC INFORMATION

College Credit Plus (CCP) at MCCC

Students who participate in CCP at the Career Center will need to follow and complete the required CCP process and paperwork at their local high schools. Students should communicate and work with their high school counselors to make sure they are on track to participate in this program. Once accepted to MCCC, counselors will work with our partner high schools to obtain the required CCP paperwork to participate in Lorain County Community College courses offered on our campus.

Graduation/Honors

Students graduate and receive their high school diploma and transcripts from their associate school. Various honors diplomas are available for high-achieving students who qualify. Talk to an MCCC counselor for more information.

Accreditation

The National Collegiate Athletic Association (NCAA) approved Medina County Career Center (MCCC) academic courses for athletic eligibility status. Many MCCC programs offer industry certifications that meet criteria for the industry credential and workforce readiness option for earning an Ohio high school diploma. The MCCC is committed to equal opportunity for all and does not discriminate on the basis of race, color, national origin, religion, sex, disability or age in its programs and activities, and provides equal access to the Boy Scouts and other designated youth groups.

MISSION STATEMENT

"We are a learning community providing students with a competitive advantage through career technical education and academic excellence."

DISTRICT

The Medina County Career Center school district is a career-technical school and an adult education program. The high school serves students from six school districts in Medina County, which range from urban to rural settings.

ADMINISTRATION

Steven Chrisman, Superintendent

Aaron Butts, Treasurer

Jeff Hicks, Principal

Kristy Dobes, Assistant Principal

David Knapp, Assistant Principal

Kellie Ellis, Associate Principal

Tad Fitch, Director of Student Services and Satellite Programming

Dr. Mari Engelhart
Director of Technology

SCHOOL COUNSELORS

Kelli Esakov
Black River and Medina

Monica Froelich
Buckeye, Cloverleaf, Highland

Patrick Shaughnessy
Brunswick and Wadsworth

Lynsey Eick
Associate Schools

CEEB Code
363-357



2024-2025 Profile

High School Facts

The Medina County Career Center is comprised of 11th and 12th grade students from six associate school districts. Black River, Brunswick, Buckeye, Cloverleaf, Highland, and Medina students are able to choose from 24 career-technical programs they would like to pursue. Students are able to take college preparatory, advanced placement and college credit plus courses which are NCAA approved, while learning about a career major during their school day. Enrollment for the 2024-2025 school year is 1,100 students. During the 2023-2024 school year, 138 students advanced to state career-technical competitions. Fifteen students advanced to the national competition and three students placed in the top ten of their respected competitions.

Class Schedule

Academic classes are 45 minutes daily per class and career-technical programs are 155 minutes daily.

Class of 2024 Census Response

41% to four-year colleges/universities
17% to two-year colleges
8% to technical colleges
6% to the military
13% to apprenticeships

Grading Scale

Excellence in technical competence and scholarship is the goal of the Career Center. The five-letter system, A-B-C-D-F, is used and, in general, the following meanings are attached:

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = 59% or below

School Information/Identity

While the Medina County Career Center operates as an independent school district within Medina County, attending students are still considered students at their home associate high schools. The grades/credits students earn in their academic classes and career-technical programs at the Medina County Career Center are reported on their home associate schools' transcripts and students adhere to their home associate schools' graduation requirements. Students' cumulative GPAs are generated following their home associate schools' criteria, which include weighting applicable courses and programs. Medina County Career Center students earn Career Passports after successfully completing their career-technical programs. However, they receive their diplomas from their home associate schools. Therefore, the following academic/grade information originates with the home associate school and can be found in their profiles and/or transcripts:

- ACT/SAT Scores
- GPA (weighted and unweighted)
- Class Rank
- Honors Diploma Designation

Career-Technical Majors

All career technical programs are two-year unless otherwise noted.

- Allied Health & Pre-Nursing
- Animal Management & Care
- Automotive Collision Technology
- Automotive Technology
- Business & Marketing Technology
- Chef & Restaurant Management
- Construction Electricity
- Construction Trades
- Cosmetology
- Criminal Justice
- Cybersecurity & Digital Forensics
- Digital Design
- Diesel Technology
- Engineering Technologies & Design
- Firefighter | EMT
- Graphic Arts & Printing Technology
- Heating, Ventilation & Air Conditioning
- Media Production
- Power Equipment Technology
- Precision Machining Technology
- Software Engineering & Web Development
- Sports Medicine & Exercise Science
- Teaching Professions
- Vision Care

Work-Based Learning Programs

- Career & Community Experience
- Career Exploration
- Career Training

Career-technical majors are considered elective credit for graduation requirements at the home associate schools.

Future College Credit

Students have the opportunity to earn future college credits within their respective/applicable career-technical program through Career-Technical Credit Transfer [CT2] and/or Tech Prep [bilateral articulation agreements].

Academic Courses/Offerings

English

- English III English III Honors
- English IV English IV Honors
- CCP Composition I & II
- CCP Introduction to Fiction
- CCP Introduction to Poetry
- Speech
- Books to the Big Screen

Science

- Environmental Science Physics
- AP Physics Chemistry
- AP Chemistry
- Physics of Digital Electronics
- Anatomy and Physiology
- Academic Anatomy and Physiology
- Forensic Science
- Health Bio-Chemistry

Social Studies

- American Government
- CCP American National Government
- CCP Comparative Politics
- Economics
- Psychology
- American Sociology

Math

- Algebra II
- Academic Algebra II
- Functions, Statistics and Trigonometry
- Pre-Calculus
- AP Pre-Calculus
- Calculus
- AP Calculus
- Math Analysis
- AP Statistics
- CCP College Algebra
- CCP Trigonometry

Electives

- Financial Literacy
- Transitions: College and Career
- Spanish I, II, III, IV

NCAA

All our English, Math, Science, Social Studies, and Foreign Language offerings are NCAA approved for athletic eligibility status.

Transcribed College Credit

College Credit Plus [CCP] courses are offered on-site through Lorain County Community College for qualifying students. Students also have the opportunity to participate in CCP off-site through a number of colleges/universities.

View program descriptions at mcjvs.edu



Your College & Career



Adult Education



otc
Ohio Technical
Centers

OTCs partner with over 1,000 employers each year for business services, contract services and customized services.



TUITION IS ON US!!

Don't Miss Out on this Opportunity!

Are you eligible for TUITION FREE Adult Education training?

All Medina County graduates ages 18-24 are eligible as new or returning Adult Education Students!!

- Black River
- Buckeye
- Highland
- Wadsworth
- Parochial, Home Schooled, Alternative and/or Academies
- Brunswick
- Cloverleaf
- Medina

Scan the QR code above or call us at
[330] 725-8461 ext. 155 to learn how you can complete
the steps for your Fast Track to Success today!

Why OTCs?

- Condensed, intense programs of study
- Accredited
- Cost-Effective
- Employer-Driven
- Applied, hands-on curricula
- Up-to-date facilities and equipment

Your College & Career



Why Should I Attend Adult Education

- Short-term focused training
- Experienced & professional instructors
- Low-cost programs
- State-of-the-art facilities
- Financial aid and scholarships available
- Small-school personalized services
- Career advising

PROGRAMS OFFERED:

Medical Programs

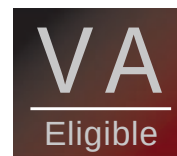
- Dental Assisting
- Medical Assisting
- Phlebotomy
- Certified Nursing Aide [CNA]

Trade & Industrial

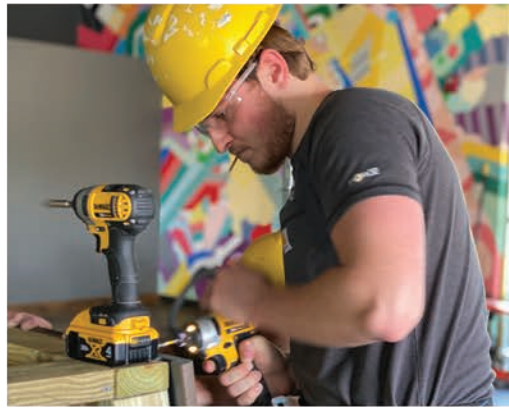
- HVAC
- Electricity
- Welding

Public Safety Services

- Law Enforcement
- Emergency Medical Services
- Firefighting



Fast Track to Success



YOUR COLLEGE & CAREER CONNECTION

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