



# 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.

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# 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](mailto:enrollme@mcjvs.edu).



# COLLEGE CREDITS THROUGH CAREER TECHNICAL EDUCATION



## College Tech Prep

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](mailto:dmcmaster@mcjvs.edu)



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.

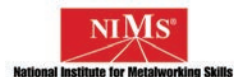


### Earn Industry Recognized Credentials

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.



# 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



### Professional Careers

#### Bachelor Degree\*

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

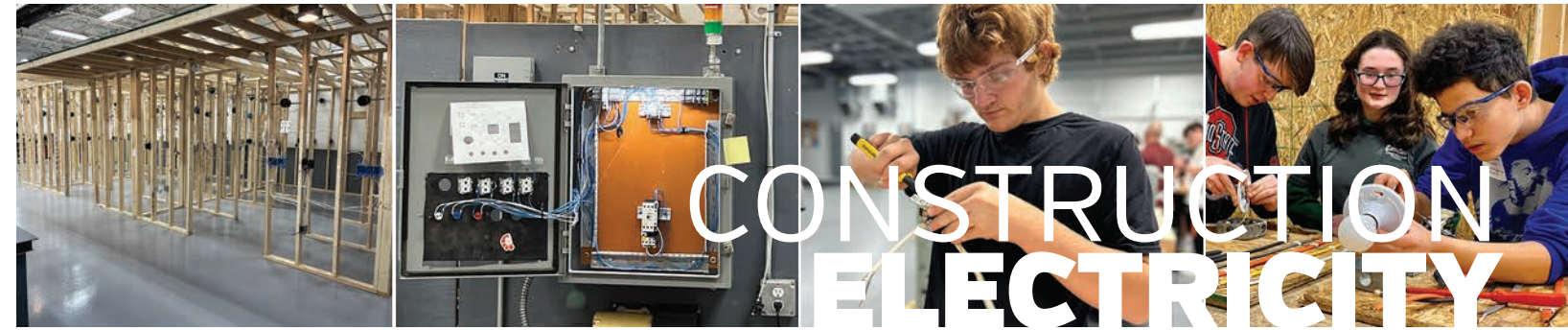
#### Master Degree\*

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.*



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

### Opportunities:

- Energy Management Technician
- Installation Technician
- Pipefitter
- Service Technician
- TAB Technician
- Sheet Metal Fabrication



*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



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

\*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



# COSMETOLOGY

## Career Roadmap

### MCCC Career Major

#### Academics

Fundamentals of Hair Cutting & Styling, Microbiology Infection Control, Fundamentals of Chemical Services, Hand & Foot Treatment Fundamentals & Enhancements, Cosmetology Theory, 1 year Anatomy & Physiology, 1 year of Math, 2 years of English

#### College Credit

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

#### Goals

Earn High School Diploma  
Earn Industry Certifications

#### MCCC Industry Certifications\*

Ohio State Board of Cosmetology: Cosmetology License, CPR & First Aid, Tanning

#### Early Placement | Internships

Salon Receptionist  
Hair Stylist Assistant

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

### Technical Careers

#### Associate Degree

Business Management  
Social Media Marketing

#### Advanced Certifications

Permanent Makeup, Eye Lash Enhancements, 600-HR Esthetic License, Talent Hair Stylist Level 1 [1-3 yrs. Experience], Designer Stylist Level 2 [4-9 yrs Experience], Master Designer Level 3 [10+ yrs. Experience]

#### Jobs with Work Experience & Associate Degree

Nail Technician, Hairstylist, Esthetician, Cosmetic Makeup Artist, Salon Manager, Beauty Care Distributor, Beauty Care Marketer, Haircolor Specialist



### Professional Careers

#### Bachelor Degree\*

Cosmetic Science, Business Management, Cosmetic & Fragrance Marketing, Cosmetic Chemistry, Fashion Design

#### Master Degree\*

Business Administration, Wellness & Spa Service Design & Management, Cosmetic & Dermatological Sciences

#### Doctoral Degree\*

Fashion Merchandising  
Dermatology

#### 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.

### Curriculum:

- Communication skills
- Decontamination and infection control
- Hair styling, up-styles, and braiding
- Roller set, thermal curls, and blow dry techniques
- Haircoloring, temporary, semi-permanent, demi-permanent and permanent
- Make-up applications
- Manicures, artificial nails and pedicures
- Permanent waving and chemical relaxing
- Professional ethics

### Curriculum (cont'd):

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

### Certifications:

- Ohio Cosmetology License
- CPR, AED and First Aid

### Opportunities:

- 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



### 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

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

### 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.*

# ALLIED HEALTH & PRE-NURSING

## Career Roadmap

### MCCC Career Major

#### Academics

Patient Centered Care, Surgical Support, Clinical Lab Techniques, Medical Terminology

#### College Credit

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

#### Goals

Earn High School Diploma  
Earn Industry Certifications

#### MCCC Industry Certifications\*

Ohio Department of Health State Tested Nurse Assistant (STNA), OSHA 10-HR Healthcare Industry Certification, OSHA Blood -Borne Pathogen, CPR & First Aid, Stop the Bleed

#### Early Placement | Internships

Students in this program will have the opportunity to work as an STNA in nursing homes & assisted living facilities.

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

### Technical Careers

#### Associate Degree

Nursing LPN, Nursing RN, Diagnostic Medical Sonography, Environmental Health & Safety Technology, Health Information Management Technology, Medical Laboratory Technology

#### Advanced Certifications

Medical Assisting Certification, Medical Office Administrative Assistant, Dental Assisting Certification, Health Unit Coordinator, Mammography, Phlebotomy, Pharmacy Technician

#### Jobs with Work Experience & Associate Degree

Nurse, Medical Assistant, Medical Lab Technologist, Sonographer, Surgical Technologist, Pharmacy Tech., Respiratory Therapist, Dental Assistant, Phlebotomist, Radiologic Technologist, Medical Administrative Assistant, Billing & Coding Specialist



### Professional Careers

#### Bachelor Degree\*

Nursing BSN, Nuclear Medicine, Biomedical Science, Health Information Management & Systems, Health Science

#### Master Degree\*

Public Health, Master of Science in Nursing, Master of Family Nurse Practitioner, Physician Assistant

#### Doctoral Degree\*

Medicine, Public Health Administration, Nursing, Neuroscience, Immunology

#### Extensive Work Experience\*

Physician Assistant, Medical Doctor, Nurse Practitioner, Hospital Director, Administrative Coordinator, Certified Nurse Anesthetist, Clinical Nurse Specialist, Midwife, Neonatal Nurse Practitioner, Psychiatric Nurse Practitioner, Medical Researcher

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



The Allied Health & Pre-Nursing program introduces students to career opportunities in the medical field through in-classroom training and out-of-classroom clinical experiences. It provides a great pathway for students interested in obtaining any career in health care. Suggested prerequisites include biology, math, and computer literacy. Students are encouraged to continue their education at the post-secondary level.

### Curriculum:

- Clinical laboratory
- Electrocardiography
- Medical assisting
- Medical ethics and medical law
- Medical terminology
- Pharmacology
- Pre-nursing
- Sterilization techniques/ infection control
- Surgical assisting

### Certifications:

- CPR / First Aid
- Child Abuse Prevention
- OSHA 10-Hour: Healthcare
- State Tested Nursing Assistant (STNA)
- Stop the Bleed



### Opportunities:

- Audiologist
- Doctor
- Internship
- Nursing Assistant
- Nutritionist
- Pharmacy Technician
- Physician Assistant
- Registered Nurse
- Unit Clerk
- X-Ray Technician

# ANIMAL MANAGEMENT & CARE

## Career Roadmap

### MCCC Career Major

- Academics**  
Animal Science & Technology  
Companion Animal Selection,  
Nutrition & Management,  
Business Management for  
Agricultural & Environmental Systems,  
Zoo & Aquarium
- College Credit**  
Students have the opportunity to earn college credit in this program.
- Goals**  
Earn High School Diploma  
Earn Industry Certifications
- MCCC Industry Certifications\***  
Animal Care Training, Bather-Brusher,  
CPR/First Aid, OSHA 10-HR Agricultural,  
Pet Tech CPR / First Aid, Veterinary  
Medical Applications, 3M Worker  
Health & Safety Awareness
- Early Placement | Internships**  
Veterinarian Assistant, Kennel  
Assistant, Livestock Laborer

### Technical 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

### Professional Careers

- Bachelor Degree\***  
Animal Science  
Biology, Zoology
- Master Degree\***  
Pre-Health Program,  
Fish Wildlife & Conservation  
Biology, Wildlife Ecology,  
Zoology
- Doctoral Degree\***  
Veterinary Medicine, Animal  
Nutrition & Food Sciences,  
Animal Sciences
- Extensive Work Experience\***  
Veterinarian, Livestock  
Producer, Zoologist, Research  
Biologist, Agribusiness  
Management, Ecological  
Consultant



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

\*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

### Opportunities:

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



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

# SPORTS MEDICINE & EXERCISE SCIENCE

## Career Roadmap

### MCCC Career Major

#### Academics

Exercise & Athletic Training, Fitness Evaluation & Assessment, Athletic Injuries & Prevention, Nutrition & Wellness

#### College Credit

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

#### Goals

Earn High School Diploma  
Earn Industry Certifications

#### MCCC Industry Certifications\*

National Academy of Sports Medicine  
CPT, OSHA 10-HR General Industry,  
American Heart Association CPR & First Aid

#### Early Placement | Internships

Physical Therapy Offices, Athletic Trainers, Health & Wellness Facilities, Strength and Conditioning Coaches  
Personal Trainers

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

### Technical Careers

#### Associate Degree

Sport & Exercise Studies  
Physical Therapy Assistant  
Occupational Therapy Assistant  
Massage Therapy  
Dietetic Assistant  
Respiratory Therapy

#### Advanced Certifications

Certified Personal Trainer  
Group Fitness Instructor  
Health Coach  
Bachelor Degree Required  
Certifications: Certified Strength & Conditioning Specialist, Medical Exercise Specialist, Nutrition Specialist

#### Jobs with Work Experience & Advanced Certifications

Personal Trainer  
Group Fitness Instructor  
Health Fitness Specialist



### 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.*



# SPORTS MEDICINE & EXERCISE SCIENCE



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.

### Curriculum:

- Human anatomy and exercise physiology
- Human biomechanics and applied kinesiology
- Personal fitness
- Nutrition
- Medical terminology
- Health screening
- Fitness testing
- Cardio-respiratory fitness and exercise
- Strength training program design
- Sports injuries and rehabilitation
- Special populations and health concerns

### Curriculum (cont'd):

- Communication and teaching techniques
- Business development and management
- Professional ethics and legal guidelines

### Certifications:

- Bleeding Control Basics
- CPR / First Aid
- Certified Personal Trainer, National Academy of Sports Medicine (NASM)
- Child Abuse Prevention

### 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.*

# VISION CARE

## Career Roadmap

### MCCC Career Major

#### Academics

Opticianry & Vision Care  
Health Science & Technology  
Medical Terminology  
Health Information Technology

#### College Credit

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

#### Goals

Earn High School Diploma  
Earn Industry Certifications

#### MCCC Industry Certifications\*

OSHA 10-HR Healthcare Industry Certification, American Heart Association CPR & First Aid

#### Early Placement | Internships

Apprentice Optician  
Optometric Technician  
Ophthalmic Technician  
Optical Lab Technician

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

### Technical Careers

#### Associate Degree

Optical Technology  
Ophthalmic Surgical Technology  
Ophthalmic Medical Technician  
Associate of Science in Opticianry  
Ophthalmic Dispensing

#### Advanced Certifications

Ophthalmic Medical Assisting  
Optical Technology  
Licensed Optician Certification  
Orthoptist

#### Jobs with Work Experience & Associate Degree

Ophthalmic Medical Technologist Assistant,  
Optician, Ophthalmic Technician, Ophthalmic Surgical Assistant



### 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\*

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.*



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.

### Curriculum:

- Anatomy and physiology of the eye
- Basics of ocular surgery
- Ethics and scope of practice
- Fitting technologies
- Identification and treatment of ocular injuries
- Local vision/hearing screening
- On-site optical clinic
- Outreach service projects
- Preliminary testing
- Private and retail practice

### Curriculum (cont'd):

- Use of ophthalmic equipment
- Medical terminology

### Certifications:

- American Board of Optometry (ABO) Exam
- CPR / First Aid
- Optician Pre-Apprenticeship
- OSHA 10-Hour: Healthcare

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

### Opportunities:

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



*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

Your College & Career  
**Connection**

### 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

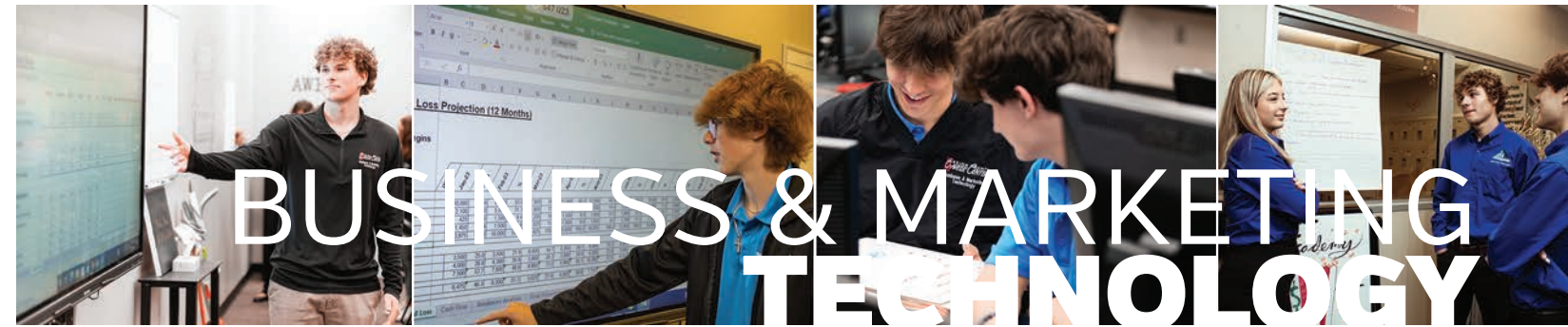
#### Doctoral Degree\*

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
- Student 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

#### Academics<sup>1</sup>

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 Diploma<sup>2</sup>  
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 Degree<sup>3</sup>

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

#### Advanced Certifications<sup>2</sup>

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 Degree<sup>3</sup>

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 Degree<sup>3</sup>

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

#### Master Degree<sup>3</sup>

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

#### Doctoral Degree<sup>3</sup>

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

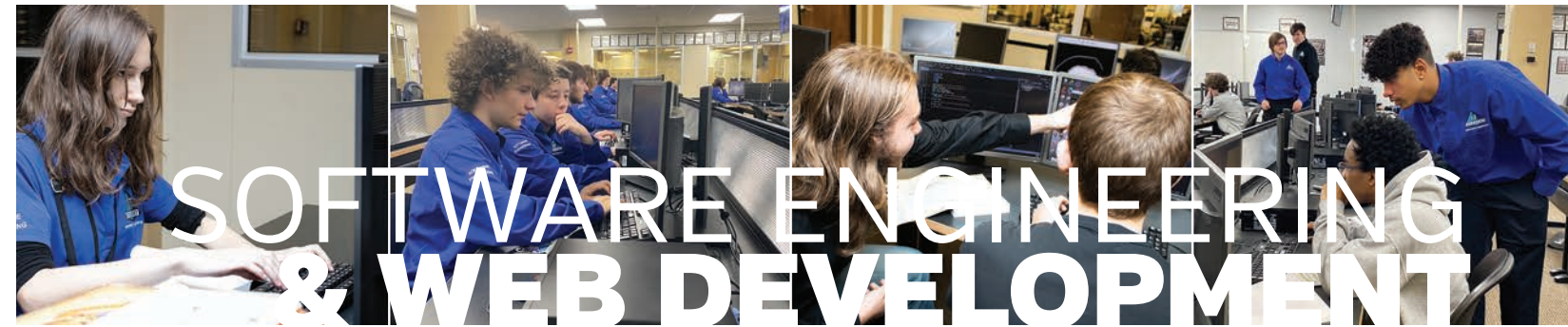
#### Extensive Work Experience<sup>3</sup>

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)

<sup>1</sup> Courses contain multiple subjects & languages

<sup>2</sup> Certifications are extensive in some categories

<sup>3</sup> Examples of degrees & work experience options are extensive



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.

### Opportunities:

- Database Developer/Administrator
- IT Project Coordinator/Analyst
- IT Support Specialist
- Software Developer/Engineer
- Systems Analyst/Designer
- Web Developer/Designer

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.

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



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

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

### 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.*



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



### Professional Careers

#### Bachelor Degree\*

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

#### Master Degree\*

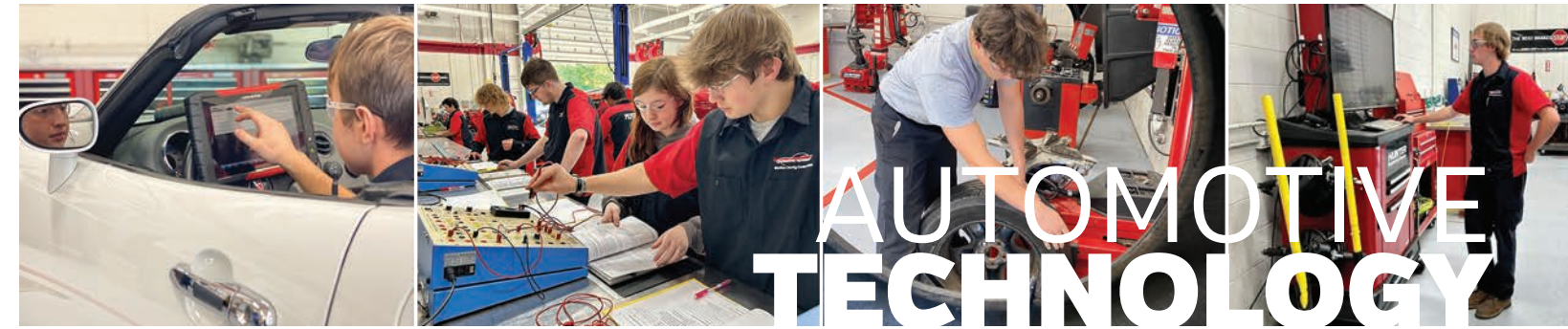
Automotive Engineering: Design & Manufacturing, Energy & Environment, Materials, Powertrain, Dynamics & Control, Electronics & Computer Software, Noise & Vibration

#### 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.*

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



# AUTOMOTIVE TECHNOLOGY



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

### 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.*

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



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

### 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

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





# 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.*



# POWER EQUIPMENT TECHNOLOGY



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

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

### 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.



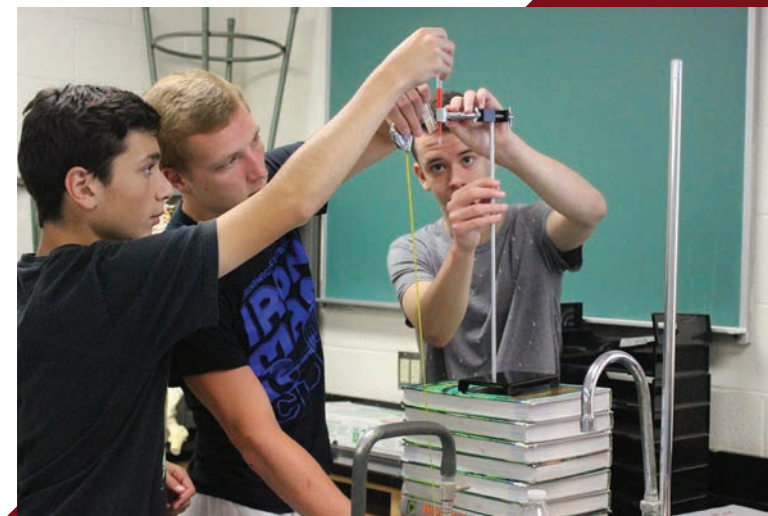
In addition to the PLTW classes that MCCC provides at the middle school level in our partner schools, the MCCC also offers PLTW classes at Brunswick, Buckeye and Medina High Schools.

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

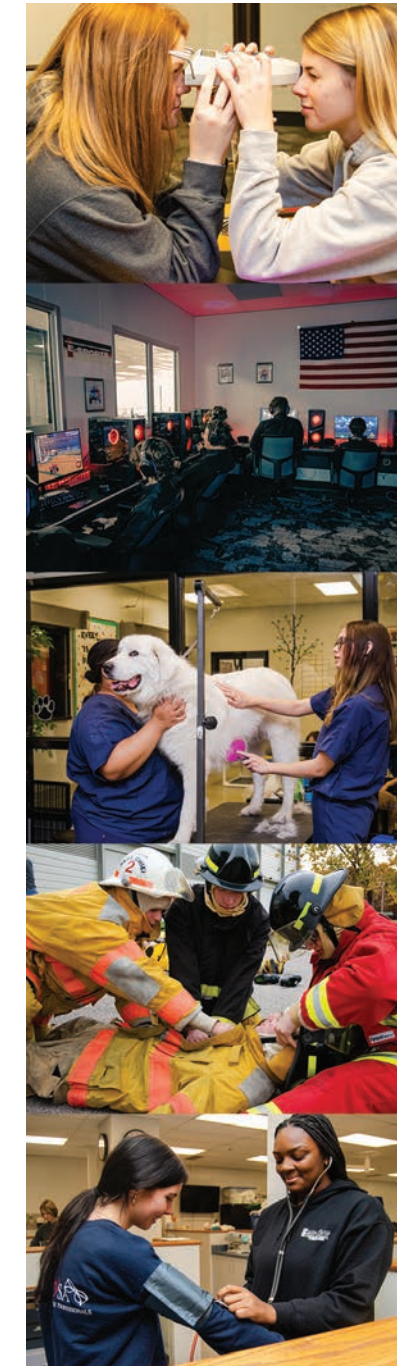
Environmental Science Physics  
AP Physics Chemistry  
AP Chemistry  
Physics of Digital Electronics  
Anatomy and Physiology  
Academic Anatomy and Physiology  
Forensic Science  
Health Bio-Chemistry

### 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](http://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



### 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

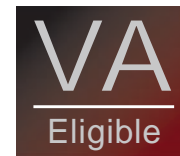
- Dental Assisting
- Medical Assisting
- Phlebotomy
- Certified Nursing Aide [CNA]

#### Trade & Industrial

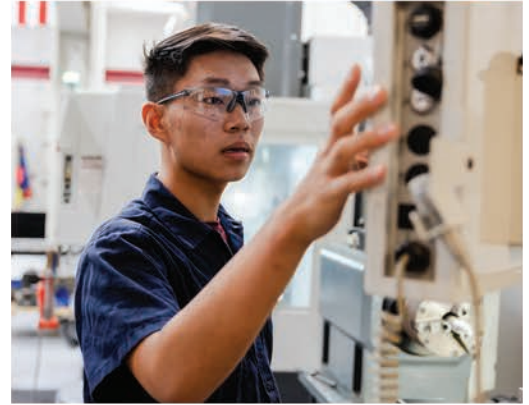
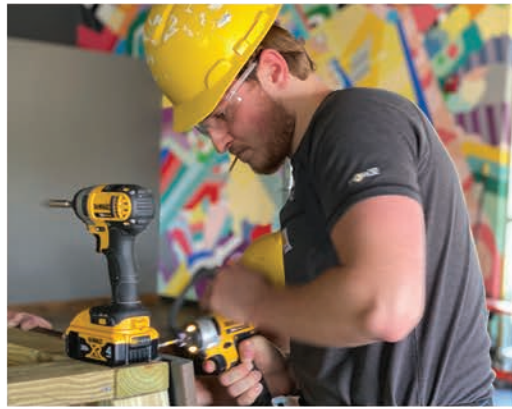
- HVAC
- Electricity
- Welding

#### Public Safety Services

- Law Enforcement
- Emergency Medical Services
- Firefighting



# Fast Track to Success



# YOUR COLLEGE & CAREER CONNECTION

1101 West Liberty St. | Medina, OH 44256  
330.725.8461 | 866.896.MCCC  
mcjvs.edu