



Your College & Career



2017 - 2018



***Medina County
Career Center:***

*A learning community where
students focus on advanced
career technical training and
academic excellence for
life-long success.*

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*"Medina County Challenge Course pictured on front cover,
inside cover (this page) and back cover. Photos taken by
Amber Bistor and Faith Theobald, students in the Video
Production program at the Medina County Career Center."*

*Reference page 37 for more information on the
Medina County Challenge Course.*

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In addition to the technical programs offered at the Career Center, pages 2 through 5 list academic credits available. Course registration subject to availability.

ACADEMICS

English

English III (1 Credit)

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 IV (1 Credit)

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

English III for the Advanced Student (1 Credit)

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 for the Advanced Student (1 Credit)

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

College Credit+ Composition I and II (2 Credits)

For students meeting the requirements, this class may be taken for high school (2 credits) and college English (6 credits). College Composition I and II is thematically organized and focuses on different styles of writing, including analytical writing, synthesis writing, rhetoric and creative writing. The reading involves interpretation of selected fiction and non-fiction.

College Credit+ Introduction to Poetry (1 Credit)

This class may be taken for high school (1 credit) and college English (3 credits). Designed to help students understand and appreciate poetry through intensive study of representative poems. Humanities core course.

Deadline (.5 Credit)

Students learn the fundamentals of journalism by reading and writing news stories, feature stories and editorials, and learn elements of broadcast news, along with basic elements of photography, layout and design.

Speech (.5 Credit)

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 (.5 Credit)

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 (1 Credit)

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.

Functions, Statistics and Trigonometry (1 Credit)

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 (1 Credit)

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

Calculus (1 Credit)

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.

Math Analysis (1 Credit – Seniors Only)

This course will reinforce student understanding of functions learned in Algebra II such as rational, radical and trigonometric functions with a complement of statistics and probability including sampling and data. Students will apply these functions to real life applications through problem solving, projects, and technology. This course is appropriate for students who are planning to attend a technical/trade school or the military. It is NOT for students who are planning to attend a 2-year college or 4-year university.

Accreditation

The National Collegiate Athletic Association (NCAA) approved Medina County Career Center (MCCC) technical and 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.

ACADEMICS

SCIENCE

Environmental Science (1 Credit)

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.

Environmental Sustainability (1 Credit)

Environmental Sustainability is a relatively new and rapidly developing discipline that involves manipulating living organisms or parts of living organisms to create products useful to humans. In this course, we explore basic bioengineering, a sensitive and complicated type of engineering due to the moral and ethical decisions related to using living organisms. It is different from other traditional engineering disciplines, which primarily utilize non-living materials and processes. In this course, students will specifically look at how environmental and biological engineering of organisms can be used to provide environmentally friendly and sustainable solutions to ensure food security for a growing world population; provide affordable, renewable energy; and provide clean, safe drinking water.

Physics (1 Credit)

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.

Physics II (1 Credit)

Physics II is a high school level course which satisfies advanced science requirements of the Ohio Core (ODE, 2008). It explores a more in-depth approach to key concepts and theories that provide a foundation for further study in science and scientific literacy. Physics II is a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. Students engage in investigations to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

Chemistry (1 Credit)

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.

Physics of Digital Electronics (Seniors Only) (1 Credit)

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. Three college credits are available with successful completion of this course.

Anatomy and Physiology (Recommended for Animal Management & Care / Cosmetology / DMT / Optical / Public Safety / Sports Medicine & Exercise Science) (1 Credit)

A systematic study of the structure and function of the vertebrate body with particular 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.

Health Bio-Chemistry (Recommended for Chef & Restaurant / DMT / Sports Medicine & Exercise Science) (.5 Credit)

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

SOCIAL STUDIES

American Government (.5 Credit)

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

College Credit+ American National Government (1 Credit)

This class may be taken for high school (1 American Government) and college credit (3 hours Political Science). 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+ Comparative Politics (1 Credit)

This class may be taken for high school Social Studies (1 credit) and college Political Science (3 credits). This course provides a general survey introducing fundamentals of political theories, institutions, processes and methods of analysis. Social sciences core course.

Economics (.5 Credit)

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.

Psychology (.5 Credit)

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.

American Sociology (.5 Credit)

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.

Electives

Personal and Professional Financial Planning (.5 Credit)

Focus is on financial concepts for individuals and small businesses and fiscal decision making regarding long-term business goals and planning. Learn to be a savvy consumer by making wise choices!

Transitions: College and Career (.5 Credit)

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.

Spanish I, II, III, IV, Advanced Spanish (1 Credit)

Focus ranges from building a foundation of basic vocabulary, grammar, verb forms and sentence structure through listening and speaking to reading and writing, and ultimately grammar and vocabulary fluency. An in-depth study of grammatical structures, verb forms and vocabulary is provided, in addition to gaining an understanding and appreciation of Spanish-speaking cultures in the U.S. and abroad. Students have the opportunity to prepare for placement tests to earn advanced credits and/or class placement in college.

Digital Design



The *Visual Media Imaging* programs are designed to help students gain the knowledge and skills necessary to pursue a career within the arts and communication industry. After completing a series of core competencies in the three areas of study, students enrolled in *Digital Design* will focus on traditional art and design, digital art and design, and animation.



Employment Opportunities:

- Graphic Designer
- Art Director
- Web Designer
- Illustrator
- Summer internship
- Print advertising
- Public relations
- Students are encouraged to acquire a post-secondary Associate or Bachelor's Degree

Technical Core Curriculum:

- Fundamentals of Advertising
- Computer image editing and illustration
- Design for publication
- **Adobe Certified Associate Certifications**
- Traditional illustration
- Basic web design
- 2D Animation
- Interactive media
- Typography and layout



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

Graphic Arts

Employment Opportunities:

- Summer internship
- Press operator
- Bindery operations
- Production controller
- Electronic pre-press technician
- Pre-press technician
- Graphic artist
- Screen printer
- Students are encouraged to acquire a post-secondary Associate or Bachelor's Degree

Technical Core Curriculum:

- **Print Ed Certification**
- Computer graphics
- Digital production
- Large format printing
- Cost estimates
- Manage, organize and produce product by deadlines
- Press set-up
- Textile printing
- **OSHA 10-Hour Certification**
- **Adobe Certified Associate Certifications**



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



The *Visual Media Imaging* programs are designed to help students gain the knowledge and skills necessary to pursue a career within the arts and communication industry. After completing a series of core competencies in the three areas of study, students enrolled in *Graphic Arts* will focus on print layout and design, screen printing, offset and digital press operation, electronic pre-press, wide format printing, and bindery operations.



Video Production



The *Visual Media Imaging* programs are designed to help students gain the knowledge and skills necessary to pursue a career within the arts and communication industry. After completing a series of core competencies in the three areas of study, students enrolled in *Video Production* will focus on video production, videography, digital photography, video editing, and digital cinema production.

Employment Opportunities:

- Videography / Cinematography
- Commercial Photography
- Editorial Photography
- Portrait / Wedding Photography
- Video Producer
- Video Editor
- Students are encouraged to acquire a post-secondary Associate or Bachelor's Degree

Technical Core Curriculum:

- Video Production
- Digital Imaging
- Digital Cinema
- Digital Delivery
- Storyboarding
- Scripting
- Studio Lighting
- Location Lighting
- **Adobe Certifications**

Employment Opportunities:

- Summer internship
- Entrepreneur
- Market research
- Information technology
- Marketing manager
- Webmaster
- Accounting and finance
- Advertising and sales

Technical Core Curriculum:

- Business laws and ethics
- Business systems
- Marketing management
- Information management
- Financial management and analysis
- International business
- Human resources management
- Product / service management
- Entrepreneurship
- Online marketing strategies
- Computing fundamentals
- Website and graphic design
- Office applications



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

Business & Marketing Technology

The *I.T. Academy (ITA)* is the integration of three career-technical majors: Business and Marketing Technology, Computer Science and Forensics, and Software Engineering and Web Development. Students enroll in the program major of their choice and are provided with opportunities to expand their knowledge by learning from experts in related content areas.



Students interested in domestic and international business, online marketing, entrepreneurship and web design should consider the *Business and Marketing Technology* major. This interactive two-year course includes innovative methods to leverage social networking sites (i.e., Facebook) and search engines like Google to maximize strategic marketing practices and website positioning. Instruction in business law and ethics, financial analysis, and fundamental business operations will provide students with the technical skills and management expertise to transition into the workplace or pursue additional education towards a degree. Students will have the opportunity to receive the *Internet and Computing Core Certification (IC³)*, *Microsoft® Office Specialist Certification (MOS)* and *Adobe InDesign Certified Associate Certification*.



Computer Science & Forensics

The *I.T. Academy (ITA)* is the integration of three career-technical majors: Business and Marketing Technology, Computer Science and Forensics, and Software Engineering and Web Development. Students enroll in the program major of their choice and are provided with opportunities to expand their knowledge by learning from experts in related content areas.



The *Computer Science and Forensics* program focuses on computer architecture and the principles of how computers function at both the software and hardware level. Students will examine computer networking, the fundamental concepts of computer forensic science, managing data security, and will have the opportunity to install and manage an open-source operating system such as Linux. Students will have the opportunity to earn *IC³, Microsoft® Certified Professional Certification*, as well as the *CompTIA Security+ Certification*.



Employment Opportunities:

- Summer internship
- Network administrator
- Systems administrator
- Network operations analyst
- Security analyst
- Computer forensics examiner

Technical Core Curriculum:

- Protocols, IP addressing, workgroups and domains
- Installation / configuration of Microsoft® Windows 7 Professional and Server 2008
- Active directory services
- Network security
- Digital Forensics
- Computer forensics/collection of evidence
- DHCP and DNS
- Remote access technologies
- Internet security
- Linux installation



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

Employment Opportunities:

- Summer internship
- Software developer
- Web site developer
- Database management

Technical Core Curriculum:

- C#
- HTML/XHTML/CSS
- ASP.NET
- JavaScript

Database:

- SQL Server
- Access



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

Software Engineering & Web Development

The *I.T. Academy (ITA)* is the integration of three career-technical majors: Business and Marketing Technology, Computer Science and Forensics, and Software Engineering and Web Development. Students enroll in the program major of their choice and are provided with opportunities to expand their knowledge by learning from experts in related content areas.



Students who have a strong interest in writing software and enjoy an interesting and challenging curriculum will excel in *Software Engineering*, *Web Development*, and *Database Administration*. This program prepares students for the workplace environment and to pursue a 2- or 4-year computer science and/or information technology degree. Students are active in Business Professionals of America and have consistently placed at the top of their competitive field in national competitions. Students will have the opportunity to receive *Internet and Computing Core (IC3) Certifications* and *Microsoft® Technology Associate (MTA) Certification*; developer, web & database track.



Automotive Technology



Automotive Technology, an ASE and NATEF certified program, includes diagnosing, adjusting, repairing and replacing mechanical and electrical parts of an automobile. Suggested prerequisite - computer literacy.

Employment Opportunities:

- Summer internship
- Automotive technician in a dealership or garage
- Automotive electrical specialist
- Diagnostician in a diagnostic center
- Estimator
- Technician in fuel systems, brakes, tune-ups, exhaust systems or front ends

Technical Core Curriculum:

- Testing & diagnostic checks of automotive computer & electrical systems
- Repair standard & power brake systems
- Front wheel & four wheel alignment
- Repair engines
- Perform preventive maintenance
- Engine construction, operation & repair
- Electrical systems operation & repair
- Fuel systems operation & repair
- Cooling systems operation & repair
- Steering & suspension systems operation & repair
- Brake operation & repair
- Emissions control systems operation & repair
- Diagnostic equipment operation
- Business operating techniques & procedures
- Research & use of service data from computer terminal
- **OSHA 10-Hour Certification**

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

Employment Opportunities:

- Summer internship
- Senior placement
- Collision repair technician
- Refinish technician
- Frame technician
- Restoration
- Detailer
- Estimator

Technical Core Curriculum:

- Fundamentals of metal work
- Painting and refinishing
- Unibody construction and alignment repair
- Body damage estimating
- Business and office procedures
- Parts and glass replacement
- Fiberglass, sheet metal and plastic repair
- Frame alignment
- **OSHA 10-Hour Certification**

Automotive Collision Technology



This ASE and NATEF certified program teaches the *repairing, refinishing and restoring* of the body of a damaged automobile or other vehicle. This includes trim and glass, along with Safety & Pollution Prevention, Plastic Repair and ANEST IWATA technical training. Suggested prerequisite - blueprint reading.

Commercial Truck & Equipment Technology



This ASE and NATEF nationally certified program offers training from an *ASE Master Certified Instructor* in diagnosing, disassembling, reconditioning and replacing diesel engines and components used to power trucks, buses, construction equipment, electric generators, railroad trains, ships and similar equipment. Suggested prerequisites: mechanical drawing and blueprint reading.

Employment Opportunities:

- Summer internship
- Diesel technician
- Heavy equipment technician
- Truck driver
- Bus driver

Technical Core Curriculum:

- Diesel engines
- Fuel systems
- Clutch and transmissions
- Drive axles
- Suspension systems
- Electrical systems
- Brakes (air and hydraulic)
- **OSHA 10-Hour Certification**
- Welding skills
- Electronic controls
- Trucking industry operation
- Commercial driver's license prep
- **ASE Student Certification**

Employment Opportunities:

- Summer internship
- ATV mechanic
- Motorcycle mechanic
- Construction mechanic
- Lawn and garden equipment mechanic
- Parts service
- Sales
- Agricultural mechanic
- Golf and turf mechanic

Technical Core Curriculum:

- Overhaul, diagnosis and maintenance of:
 - Gasoline engines
 - Diesel engines
 - Lawn and garden equipment
 - Electrical systems
 - Hydraulic systems
 - Transmission systems
 - 2 and 4-stroke recreational vehicle engines
- Oxyacetylene welding
- Mig welding
- Equipment operation
- **OSHA 10-Hour Certification**
- 4-Cycle Engine Certification
- STIHL Bronze training
- Honda TACS training
- EETC Engine Certification

Power Equipment Technology



Power Equipment Technology is an EETC certified program that focuses on the maintenance, diagnosis and repair of 2- and 4-cycle gasoline and diesel engines, transmissions, electrical systems and hydraulic systems. Students receive training on ATVs, snowmobiles, motorcycles, and marine, industrial, and agricultural equipment. Suggested prerequisites: vocational agriculture and industrial arts.

Precision Machining Technology



Precision Machining Technology has incorporated Tooling University online MasterCam training into its curriculum, providing in-depth knowledge of all aspects of metalworking and manufacturing. Students will also learn the skills necessary for the safe operation of modern metalworking tools such as lathes, mills, drills, grinders, and computerized numerical control equipment. Suggested prerequisites: mechanical drawing and industrial arts.



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

Employment Opportunities:

- Early placement
- Summer internship
- Tool and die maker
- Mold maker
- Machinist or CNC machinist
- Machine set-up or machine repair
- Design
- Engineering
- Tooling or Applications engineer
- Quality control inspector

Technical Core Curriculum:

- Precision measurement
- Milling machine operations
- Drill press operations
- Geometric dimensioning & tolerancing
- Physics of metal cutting
- Layout, hand tools & benchwork
- Contour bandsawing
- Engine lathe operations
- Abrasives & precision grinding machines
- Basic metallurgy, heat treating
- Electrical discharge machining
- Medical machining
- MasterCam online training
- Haas training (HTEC)
- Welding & material joining technology
- CNC/CAD/CAM milling
- CNC/CAD/CAM lathe
- MasterCam 2017
- G&M coding
- Tooling U/SME
- Vertical/horizontal saw operation
- Machine shop theory
- Welding theory
- Print reading
- **OSHA 10-Hour Certification**

Engineering Technologies & Design

Employment Opportunities:

- Summer internship
- CAD designer
- CNC apprentice
- Architectural, civil or mechanical drafter
- Engineering technician or assistant

Technical Core Curriculum:

- Intro to engineering design
- Principles of engineering
- Intro to civil engineering and architecture
- Computer integrated manufacturing
- Digital electronics
- Engineering Design and Development Capstone
- Inventor 2016
- Revit 2016
- Robot C VEX Programming Software
- West Point Bridge Builder
- MD Solids
- Robocell Programming Software
- **National Project Lead the Way Certification**
- **Inventor, Revit and OSHA 10-Hour Certifications**

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



Engineering Technologies and Design is a sequence of pre-engineering courses introducing students to the scope and discipline of engineering and engineering technology. Students will prepare to work in several different types of engineering settings using industry software including: [Autodesk Inventor](#), [Revit](#), along with various other software applications. Any student who is concurrently enrolled in a college preparatory math and science course is eligible for the pre-engineering program.

Construction Trades



In this NCCER certified program, students learn basic carpentry skills to repair, construct and remodel buildings and homes in a real world practical setting. The program includes the layout of floors, walls and rafters, stairway construction, drywall hanging and finishing, and also an introduction to basic plumbing and electrical. Students will receive *OSHA 10-Hour Certification, First Aid, AED and CPR Certifications.*

Employment Opportunities:

- Summer internship
- Plumber
- Rough framer
- Carpenter
- Electrician
- Sider
- Roofer

Technical Core Curriculum:

- Site layout and building forms
- Framing styles and materials
- Sheathing and siding of buildings
- Roofing a building
- Constructing walls and laying flooring
- Hanging doors and setting windows
- Building stairs
- Application of building hardware
- Finish carpentry trim
- Installing siding
- Estimating
- Blueprint reading
- Suspended ceiling installation
- Drywall hanging and finishing
- Introduction to basic plumbing
- Introduction to basic electrical

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

Employment Opportunities:

- Summer internship
- Service technician
- Salesperson
- Energy management
- General maintenance

Technical Core Curriculum:

- Theories of heating and cooling
- Identification and use of specialized tools
- Fundamentals of electricity
- Soldering and brazing
- Threading and cutting
- Splicing and/or connecting wires
- Assembly of sheet metal
- Sheet metal fabrication
- Basic duct work design
- Use of refrigerant metering devices
- Piping practices
- Mechanical maintenance
- Schematics
- Safe refrigerant practices
- **OSHA 10-Hour Certification**
- **First Aid, AED and CPR Certifications**
- **EPA/ICE Certification**
- **NCCER Certification**

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

Heating, Ventilation & Air Conditioning



As the population and economy grow, so does the demand for residential, commercial and industrial climate control systems technicians. Students in the *Heating, Ventilation and Air Conditioning* program will learn to install, maintain, and repair gas, oil, and electric residential and light commercial heating and cooling units. Suggested prerequisites: mechanical aptitude and problem solving abilities.

Horticultural Science & Design



Horticultural Science and Design is designed for students who love nature and the outdoors. The program focuses on three major areas of the landscape industry – design/build, project management, and equipment operation.

Students will have the opportunity to operate industry equipment, including skid steer and mini excavator; hardscape construction; create digital landscape designs and drawings; develop fertilizer programs; identify and classify plants, turf types and diseases, and pests; irrigation and drainage techniques; explore business management procedures; and prepare for the O.C.N.T. certification.



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

Employment Opportunities:

- Landscape Architecture
- Landscape design & management
- Environment & conservation science
- Forestry / natural resources conservation
- Project management
- Environmental business management
- Turf grass management
- Horticultural science
- Arboriculture
- Nursery & greenhouse

Technical Core Curriculum:

- Explore design strategies & preservation of native & useful plants and habitats
- Create digital landscape designs & drawings with CAD & SketchUP
- Explore business management procedures, including project costing, basic budget & accounting principles
- Identify & classify plants & grasses common in the Green Industry
- Assessment of soils & composting
- Develop fertilizers & pesticide programs
- Irrigation & drainage techniques
- Operate industry equipment
- OSHA 10-Hour & First Aid & CPR Certifications
- OCNT Certification

Employment Opportunities:

- Summer internship
- Grooming industry
- Kennel assistant
- Veterinary assistant
- Horse industry
- Pet shop industry
- Doggie day care

Technical Core Curriculum:

- Care, handling and management of dogs, cats, birds, reptiles and small animals
- Care, handling, riding and training of horses
- Aquarium maintenance and management
- All breed dog and cat grooming
- Proper nutrition for large and small animals
- Veterinary terminology
- Reproduction and breeding of small animals
- Anatomy and physiology of animals
- Public relations in a small business environment
- Salesmanship and marketing of small animal products and services

Certification Opportunities:

- **Bather-Brusher Certification**
- **Animal Care Training Certification**
- **OSHA 10-Hour Certification**

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

Animal Management & Care



Students will learn proper nutrition, care, grooming, disease prevention and treatment of domestic and pet shop animals. They will receive training in the animal health and veterinary assisting field and manage an interactive doggie day care unit. Students will utilize customer service, merchandising and advertising skills while running the *Paws-To-Play Pet Shop* and dog grooming facility. Students will also receive training in the *Equine Center* learning the management and care of horses, tack identification, carting, and English and Western riding.



Chef & Restaurant Management



Students train in a mini-culinary institute environment to prepare, present and serve food to the public. Students operate *The Center Café* restaurant, where students learn all aspects of the food service industry. Suggested prerequisites: art, home economics and math.



Employment Opportunities:

- Summer internship
- Server
- Food writer / artist
- Pastry chef
- Personal chef
- Cruise line chef
- Caterer
- Manager
- Chef

Technical Core Curriculum:

- **ServSafe National Certification**
- Safety and sanitation
- Food preparation and production
- Food-borne illnesses
- Menu planning
- Math principles for food service
- Restaurant design and operation
- Storeroom and inventory principles and management
- Chef responsibilities
- Server skills
- Host / hostess skills
- Cashier responsibilities
- Portioning
- Taxes
- Front of the house operational standards
- Back of the house operational standards
- Food portion budgeting

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

Cosmetology

Employment Opportunities:

- Summer internship
- Licensed cosmetologist
- Salon manager and/or owner
- Instructor
- Sales
- Esthetician
- State Board Inspector
- Platform artist
- Nail technician

Technical Core Curriculum:

- Professional ethics
- Decontamination and infection control
- Professional image
- Communication skills
- Shampooing and scalp treatments
- Hair styling, up-styles, braiding
- Roller set, thermal curls and blow dry techniques
- Shaping hair with shears, razors and electric clippers
- Haircoloring: temporary, semi-permanent, demi-permanent and permanent
- Manicures / artificial nails / pedicures
- Permanent waving and chemical relaxing
- Facial waxing
- Facial treatments
- Salon management
- Retailing
- **CPR Certification**

Students have the opportunity to earn college credits towards an Associate of Technical Studies.



In this totally renovated lab, students learn the art and science of hair, skin and nails. Training occurs in a lab setting, as well as in the *Today's Image Salon*. The *Today's Image Salon* is a full service salon operated by students and open to the public. *Cosmetology* students have a full academic schedule in which many courses are tied directly to the *Cosmetology* curriculum. Students must pass the State Board of Cosmetology exam to be licensed.

Diversified Medical Technologies



In the *Diversified Medical Technologies* program, students are introduced to career opportunities in the medical field. This program includes out-of-classroom clinical experience. Students are encouraged to continue their education at the post-secondary level. Suggested prerequisites: biology, math and computer literacy.

Employment Opportunities:

- Summer internship
- Nursing assistant
- Unit clerk
- Pharmacy technician

Technical Core Curriculum:

- CPR, AED and First Aid Certifications
- State Tested Nursing Assistant Certification (STNA)
- Electrocardiography
- OSHA/Blood-Borne Pathogen Certification
- Medical ethics and medical law
- Sterilization techniques / infection control
- Pre-Nursing
- Surgical Assisting
- Clinical Laboratory
- Medical Terminology
- Pharmacology
- Medical Assisting



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

Employment Opportunities:

- Summer internship
- Preschool teacher / preschool aide
- Family child care provider

Technical Core Curriculum:

- Introduction to education and training
- Organizational processes
- Communications
- Foundations of education
- Technology
- Child growth and development
- Curriculum strategies
- Instructional strategies
- Family / community collaboration and communications
- Professional growth and development
- Health, safety and nutrition
- Child observation and assessments
- Learning environments and experiences
- Preschool business operations
- Preschool state standards
- **First Aid, AED, CPR, Communicable Disease and Child Abuse Certifications**

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

Early Childhood Education



This program focuses on the physical, social, emotional and cognitive development of young children. It includes the operation of a preschool program for children from three to five years of age.



Optical Technology



Our sight is something that we sometimes take for granted, but as an *Optometric Assistant*, you could be responsible for emphasizing the importance of healthy eyes to your patients. Students will learn about common eye disorders, testing for visual acuity, depth perception, color blindness, proper use of optical instruments, prescription analysis and fitting technologies.

Employment Opportunities:

- Summer internship
- Optometric assistant / ophthalmic assistant
- Optical laboratory technician
- Optical sales representative
- Apprentice optician
- Work with a licensed optician for two years; eligible to sit for the National Optician Competency Examination (NOCE) and the Contact Lens Registry Examination (CLRE)

Technical Core Curriculum:

- Anatomy and physiology of the eye
- Eye assessments
- Basics of ocular surgery
- Ethics and scope of practice
- Private and retail practice
- Use of ophthalmic equipment
- Identification and treatment of ocular injuries
- Fitting technologies
- Local vision screening
- Outreach service projects
- **First Aid, CPR and OSHA 10-Hour Certifications**
- On-site optical clinic



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

Employment Opportunities:

- Firefighter
- EMT
- 911 Emergency Dispatcher

Technical Core Curriculum:

- Public safety introduction
- Ethics
- Safety
- CPR, AED and First Aid Certifications
- Computer technology
- Diversity and disabilities
- Healthy living styles
- Psychology of stress
- Equipment training
- Hazmat training - operation level/WMD
- OSHA 10-Hour Certification
- Terrorist assessment training
- Incident command
- Emergency telecommunications
- Fire 256 Certification
- Emergency Vehicle Operation Certification
- EMT Certification
- National Incident Management Systems (NIMS) Certification

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

Public Safety



This program focuses on the public safety sector. *Emergency Medical Technician and Firefighter* careers are explored. Students are prepared for and have the opportunity to sit for the following certifications: Fire Certification, Hazmat Awareness and Operation, and Emergency Medical Technician Certification.

Sports Medicine & Exercise Science



The *Sports Medicine and Exercise Science* program is the study of physiology and biomechanics in relation to the ability of the human body to adapt to motion, movement, and physical activity. The program is designed to prepare students with the basic knowledge to help them transition to college for a career in athletic training, fitness, or the health care field, such as physical or occupational therapy.

Employment Opportunities:

- Personal fitness trainer
- Fitness / allied health aide
- Athletic trainer
- Physical therapy
- Massotherapy
- Physical education teacher / coach

Technical Core Curriculum:

- Human anatomy and exercise physiology
- Human biomechanics and applied kinesiology
- Personal fitness
- Nutrition
- Medical terminology (dual credit)
- Health screening
- Fitness testing
- Cardio-respiratory fitness and exercise
- Strength training program design
- Sports injuries and rehabilitation
- Special populations and health concerns
- **CPR, AED and First Aid Certifications**
- Communication and teaching techniques
- Business development and management
- Professional ethics and legal guidelines

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



Enrollment Standards:

- Completed three years of high school with a preferred 2.5 GPA
- Enrolled in a college preparatory curriculum for current school year
- Teacher / counselor recommendations
- Expressed interest in teaching
- Demonstrate service to school / community
- Provide own transportation to internship and seminar sites
- 11 credit preference

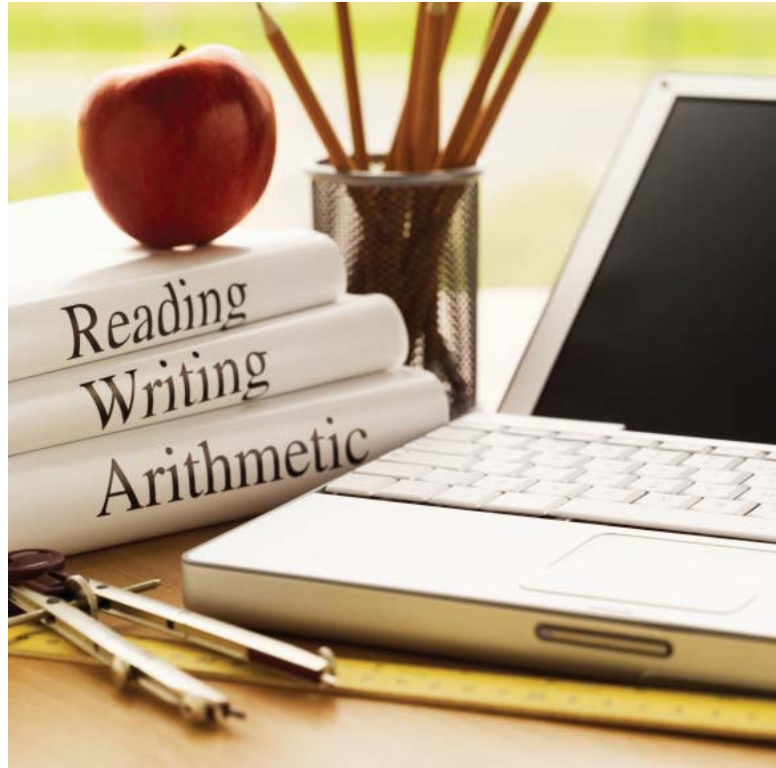
Technical Core Curriculum:

- Introduction to education and training
- Organizational processes
- Communications
- Foundations of education
- Safety and health
- Technology
- Child growth and development
- Curriculum strategies
- Instructional strategies
- Family / community collaboration and communication
- Professional development and growth
- Learning and developmental characteristics
- Assessment
- Learning environment
- Internships at multiple levels of education
- Creation of a portfolio

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

Teacher Education Academy

One Year Program



Students in the *Teacher Education Academy* will have multiple levels of experience: early childhood, middle childhood, high school, special education and career-technical education to prepare them to pursue a career in education through post-secondary studies.

Culinary Arts & Textile Services



The *Culinary Arts & Textile Services* program includes basic skills in commercial housekeeping, laundry operations and dietary support, as well as basic food preparation. Training in customer service skills will also be incorporated. The focus of the instruction will center on the skills necessary to become employed in nursing care facilities, restaurants, motels and resorts. Students in their second year of the program may have the opportunity to participate in a community work experience.



Employment Opportunities:
Support services in the following areas:

- Housekeeping in recreational and medical facilities
- Laundry and dietary in nursing home / assisted living facilities
- Cafeteria
- Banquet facility
- Fast food industry
- Hospital – food service/laundry
- Recreation centers

Technical Core Curriculum:

- Utilize basic cooking methods to prepare foods and baked items
- Properly use and maintain hand tools and equipment found in commercial kitchens
- Understand and effectively apply basic culinary terminology used in the industry
- Maintain a safe and sanitary service environment
- Washing, drying and folding linens, garments and related items
- Operation of commercial laundry equipment

*Non-recruiting program; by
Associate School referral*

Employment Opportunities:

There are career opportunities in numerous programs including but not limited to:

- Construction trades
- Animal care
- Information technology
- Manufacturing
- Marketing
- Public safety
- Transportation systems
- Horticultural science & design

Technical Core Curriculum:

- Interpersonal skills and team building
- Career preparation
- Technology skills
- Daily living skills
- Understanding the workplace
- **Safety including OSHA 10-Hour and CPR Certifications**
- Effective communication skills
- Customer service
- Problem solving and critical thinking

Career Exploration Program



The *Career Exploration Program* allows students to experience a variety of technical programs to discover their passions and develop basic skills that will assist in their preparation for career development and vocational experiences.

Taking the FIRST Step – Wondering how to become a student? It's easier than you think. Interested students and their parents are encouraged to contact Sherry Koenig, Admissions Coordinator, at (330) 721-0213 or visit our web site at www.mcjvs.edu where you can apply online and find additional information.

Student Fees – No tuition is charged for district residents attending while enrolled in high school. The Career Center will provide most equipment and materials used for daily instruction; students will receive a fee list for their specific program. Students will also be expected to purchase uniforms and/or books if required by the academic and/or technical program.

Selection Criteria – Students seeking enrollment must have two years of high school education prior to admission. A student's credit status, grades, courses, attendance, achievement and aptitude test scores are taken into consideration for acceptance.

Transportation – The associate schools provide busing to and from the Career Center for students. Students who prefer to drive must register their cars with the Career Center Office and purchase a parking permit. Parking permits are limited.

Associate School Activities – Students attending the Career Center are strongly encouraged to continue participating in associate school athletics and extra-curricular activities. When possible, students are excused from class to fulfill commitments to these activities.

your college & career connection



The Medina County Career Center offers a broad range of **college prep academics, electives and college classes** in addition to **advanced** career technical education.

Over 80% of students attending the Medina County Career Center **continue** their **education** at a post-secondary institution after graduation!

Through agreements with **colleges** and **universities**, students at the Medina County Career Center can earn **college credit** and **scholarships** while still in high school.

Students attending the Career Center focus on a college major and **graduate** with valuable industry **certifications** along with their high school **diploma** from their associate school district.

Students attending the Career Center remain active participants in their home school's **sports** and **extra-curricular** activities.



www.mcjvs.edu
(330) 725-8461
(866) 896-MCCC

Adult & Continuing Education Courses Available



It's Easy to Enroll in Part-Time Courses



ONLINE REGISTRATION

Registration for most part-time classes can be completed online on a secure server. Our website is www.mcjvs.edu



IN PERSON REGISTRATION

Medina County Career Center
Adult Education
1101 W. Liberty Street
Medina, OH 44256

OFFICE HOURS:

Mon-Thu 8am – 8pm, Fri 8am – 3pm



TELEPHONE REGISTRATION

Enroll by phone with VISA / MasterCard / Discover Card. Please have all the information requested on the registration form before calling. Phones are staffed during business hours.
Call 330-725-8461 or 866-896-6222.

Call for Current CALENDAR & CLASS OFFERINGS

The Medina County Career Center 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.

The Medina County Career Center is always looking for new, exciting and innovative class offerings. If you are an instructor and would like to speak to us about your program being offered through the Career Center, please contact us at 330-725-8461 or 866-896-6222.

adult & continuing
education opportunities

Full-Time Courses

How to Get Started with Full-Time Career Programs and for general information on full-time/certification classes, visit our website at www.mcjvs.edu. For more information about our graduation rates, the median debt of students who completed the program, and other important information, visit our website and click on Adult Education.



Additional Assistance Available

1. **Preschool Services**

For eligible daytime participants
REGISTER NOW for
Winter/Spring 2017

2. **Academic Counseling & Job Placement Assistance**

3. **Financial Aid**

Available to qualified individuals

- Pell Grant
- Veterans' Assistance
- Bureau of Vocational Rehabilitation
- Workforce Development
- Iraq & Afghanistan Service Grant (IASG)

For further information, visit us online or call 330.725.8461 or 866.896.6222.



Full- & Part-Time Courses for Adult Career Advancement

Computers & Technology -

Excel (Beginning & Intermediate)
Having Fun with Your iPad
Intro to Windows 7
Intro to Microsoft Office
PowerPoint
QuickBooks
Word (Beginning & Intermediate)
Windows 10

Medical Programs -

State Tested Nursing Assistant
Medical Assisting (Full Time)
Medical Office Administrative Assistant (Full Time)
Dental Assisting (Full Time)
Pharmacy Technician Training

Public Safety Services -

Advanced Law Enforcement
Police Refresher/Update
36-Hour Volunteer Firefighter Training
Firefighter Level I & II Transition
Firefighter II 260
Fire Service Instructor
Fire Officer I & II
Fire Safety Inspector
Fire Tower
Burn Facility
EMT
Law Enforcement (Full Time)

Trade & Industrial -

Basic Home Repair
Starting Electricity
HVAC Technology (Full Time)
Residential Electricity
Welding I & II

Please note class offerings can change. Check with Adult & Continuing Education Department regarding class availability.

Take Classes When & Where It's Convenient For You!

*Online Courses provide a convenient and cost-effective approach to learning! With online courses, you can access your course from anywhere you have Internet access. Medina County Career Center is working with leading online partners to offer a wide variety of content with online support throughout the entire curriculum. Choose from **Personal Enrichment** courses, **Career Training** courses, or explore the diverse **Professional Development** opportunities.*



Personal Enrichment Classes for Fun & Expanding Hobbies

Personal Enrichment classes offer adults the opportunity to learn something they've always wanted to learn, expand their hobbies and meet new friends.

For example, learn how to beautifully decorate cakes; mat and frame your own art, photos, prints and more. Get hands-on experience creating your own stained glass art. Learn fundamentals of knitting from the first cast-on, to binding off and more. Create beautiful calligraphy on personal party invitations. Relax, reduce stress and enhance your health with Yoga. Impress your friends by sharing principles of meditation techniques derived from Traditional Chinese Medicine. Become educated on fine wines. Learn a new language or journey into ancient text of the Bible and how those stories fit into our history. There's so much more.

Classes are held weekdays between 6-9pm and run from one session to nine weeks. Classes are fun, affordable and personally rewarding.

And There's More!

Adult Basic & Literacy Education (ABLE) – Prepare for the GED Test with FREE Classes

Call 440-891-7647 for more information and schedule of GED classes available in Medina and Brunswick. Entering college or a specialized training program? Transition Classes are also available to help prepare you for entrance tests, college classes, job searches or a new career path. There are FREE classes available to help you learn to speak English.

Medina County Challenge Course Team Building

Organizations today are being challenged to do more with less, stimulate creative thinking, work effectively with others and react quickly to the increasing pace of change. The Medina County Challenge Course involves people in a powerful and integrated "learning by doing" approach. Groups engage in activities and initiatives that encourage critical thinking and risk taking. Participants learn to solve problems, make decisions, set goals and develop communication skills in an environment that is interactive, challenging, supportive and fun.

Call 330-725-8461 or 866-896-6222 for more information or scheduling.



Your College & Career



Sherry Koenig, Admissions
1101 W. Liberty Street
Medina, Ohio 44256

(330) 721-0213

www.mcjvs.edu



Follow us on:

