

Mercer County Career Center

Mercer County Career Center offers programming in technical and mechanical, professional, service, and production occupations to eligible high school students residing in Mercer County. Students who complete 9th, 10th, or 11th grade may apply for admission to any MCCC program by submitting the MCCC Application for Admission. Please visit www.mercerccc.org, speak with your school Guidance Office, or call 724-662-3000 ext. 1070 to speak with our Marketing Coordinator for complete admission details. The desire to learn, a cooperative work attitude, and an ambition to engage in high-skill technical instruction are qualities needed to be a successful student in any of the programs. The technical course work includes cutting edge technologies with rigorous and relevant curriculum. This curriculum will prepare students, of all ability levels, to enter an occupation, a post-secondary school, or the military. Each student's pathway to success is unique. MCCC can help you explore that pathway. Students considering enrollment at MCCC need to consider a number of personal factors including; career interests, academic abilities, social maturity, and specific career aptitudes.

Earning College Credit at MCCC: Students can earn advanced placement at various post-secondary institutions by taking advantage of local articulation agreements established by MCCC or by accessing statewide articulation credits for eligible students.

Local Articulation Agreements: Agreements have been established with college and career schools throughout the region. Qualifying students have the opportunity to receive credits at specific institutions for learning achievements accomplished at MCCC. The number of credits awarded and specific requirements vary for each institution. Call the MCCC Guidance Office for the latest articulation information at 724-662-3000.

Statewide Articulation Agreements: MCCC strives to prepare students for college and careers in a diverse, high-performing workforce. MCCC courses that are considered a program of study (POS) course are eligible for statewide articulation agreements. These statewide articulation agreements are a partnership between secondary schools and post-secondary institutions throughout Pennsylvania. To view current statewide articulation agreements, go to the equivalency search results for PA Bureau of Career and Technical Education at the website www.collegetransfer.net.

MCCC Programs of Study Eligible for Statewide Articulation: Computer Information Technology, Culinary Arts, Early Childhood Education, Carpentry, Automotive Technology, Diesel Technology, Collision Repair and Refinishing,

Welding, Health Care Careers, Logistics & Supply Chain Management, and Electrical Occupations.

Industry Certifications: Numerous certification opportunities exist for MCCC students. A certification is a business and/or industry documentation verifying skills and knowledge in a specific area of study. These certifications may become increasingly important for advancement within a career area.

Cooperative Education: Qualifying second and third-year students may wish to consider participating in the Cooperative Education program. The program provides students the opportunity to be employed in his/her area of vocational-technical study, while earning wages. This program is supervised by the MCCC Cooperative Education Coordinator. All MCCC courses are eligible for participation, but students need to meet specific requirements, apply, and be accepted into the program. Cooperative Education guidelines established by the PA Department of Education and approved by the local area school districts will be followed.

MCCC staff will work cooperatively with the Senior High school counselors to meet the needs of every student. Questions about specific programs of study at MCCC can be referred to the MCCC Marketing Coordinator at MCCC (724) 662-3000 ext. 1070

Automotive Technology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Automotive Technology allows students to perform a wide range of diagnostics, repairs, and preventative maintenance on automobiles and light trucks. Students will gain the technical knowledge and skills to obtain an entry-level position and/or pursue postsecondary education. The program's curriculum enables students to develop basic knowledge through classroom theory lessons and acquire a core set of technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes the diagnosis and testing of malfunctions in and repair of engines, fuel, electrical, cooling, steering, suspension and brake systems. Students also prepare to obtain certifications for PA Safety Inspection; Emissions Inspection; and Refrigerant, Recovery, and Recycling.

Industry Certifications

- Automotive Service Excellence (ASE):
Brakes, Engine Performance, Engine Repair, Steering/Suspension
- Valvoline Motor Oil Certification
- Safety and Pollution Prevention (SP/2)

Carpentry

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Carpentry prepares students to obtain entry-level positions in the construction or wood industries, apprenticeships in trade unions, and/or to pursue enrolling in postsecondary institutions for degrees in construction, sales, or management. The program's curriculum enables students to develop a knowledge base through classroom theory lessons and acquire technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual/group projects, and activities. The program's instruction includes units on safety, hand and power tools, blueprint reading, framing, interior and exterior finish, construction materials, measuring, estimating, and building codes. Students also study technical mathematics, residential steel-framing, and cabinetmaking.

Industry Certifications

- OSHA-10 Hard Construction Training
- PA Builders Association Certification
- Ladder Safety Certification
- Fork Truck Certification

Collision Repair & Refinishing

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Collision Repair and Refinishing prepares students to obtain an entry-level position in the auto body repair/refinishing field and/or to pursue postsecondary education. The curriculum enables students to develop technical knowledge and skills through real world, hands-on shop experiences. The program will cover the entire repair and refinishing process from start to finish. The instruction will focus on key areas including workplace skills, safety techniques, vehicle design and construction, structural and non-structural repairs, industry related welding and fabrication, estimating, collision repair procedures, automotive painting, refinishing and detailing. Students will learn all these skills in a state-of-the-art shop with industry standard equipment. Students will be expected to read and understand complex instructions as well as using technology as an industry resource.

Industry Certifications

- PPG Blue Level Refinishing Technician
- iCAR (Multiple Certifications)
- Safety & Pollution Prevention (SP/2)

Computer Information Technology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Computer Information Technology prepares students to obtain entry-level employment and provides a foundation for post-secondary success. The curriculum enables students to develop a core set of technical skills by applying learned knowledge in hands-on lab experiences. The program will provide students experience in the administration and support of computer networks. These include user and group management, server security, network sharing, operating systems, user and workstation security, help desk support, computer repair, and remote access. Students will focus their study on network technologies, network devices, network management, tools, and security. Computer Information Technology students will be expected to read and interpret complex instructions, technical literature, and solve a variety of technical problems.

Industry Certifications

- CompTIA A+ and Network+
- TestOut PC Pro
- TestOut Network Pro
- TestOut Security Pro
- TestOut Server Pro
- TestOut Ethical Hacker Pro

Computer Programming

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

The Computer Programming course focuses on the general writing and implementation of generic and customized programs that drive operating systems. This prepares students to apply the methods and procedures of software design and programming to software installation and maintenance. Computer Programming includes instruction in software design, low- and high-level languages and program writing, program customization and linking, prototype testing, troubleshooting, and related aspects of operating systems and networks. Students will study data types and expressions, designing functions, and graphic and image processing. As well as learn software development process.

Industry Certifications

- W3 Schools Python Programmer
- W3 Schools HTML Programmer

Cosmetology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Cosmetology prepares students to become licensed cosmetologists in specialized and full-service salons. Students develop a knowledge base through classroom theory lessons while perfecting their clinical skills in the program's student-operated salon. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual and group projects, along with other activities. The programs instruction includes units on shampooing, conditioning, cutting and styling hair, chemical texture services, and hair coloring techniques. As well as hands on training offering facials, manicures, and pedicures. Personal safety, professionalism, and the sanitation and disinfection of equipment and facilities are emphasized. Students also study business management with a focus on managing a salon.

Industry Certifications

- PA State Board of Cosmetology License
- Safety & Pollution Prevention Cosmetology

Culinary Arts

Grades: 10, 11, or 12

Length: 36 weeks

Credits: 3.0

Culinary Arts prepares students to obtain entry-level employment within institutional, commercial, and independently owned food establishments. This program also provides a foundation for students who wish to pursue acceptance into a postsecondary culinary program. The program's curriculum enables students to develop knowledge through classroom theory lessons and acquire culinary skills by applying learned knowledge in the program's fully equipped commercial kitchen and dining room. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual/group projects and activities. The program's instruction includes units on use and care of utensils, food preparation equipment, safety, sanitation procedures, nutrition basics, and recipe preparation. Students develop and practice skills through hands-on activities and experiences related to planning, selecting, preparing, and serving quality food and food products.

Industry Certifications

- ServSafe
- ProStart
- Safety and Pollution Prevention Culinary

Diesel Technology

Grades: 10, 11, or 12

Length: 36 weeks

Credits: 3.0

Diesel Technology prepares students to obtain entry-level employment and/or to pursue postsecondary education. The curriculum enables the students to develop basic knowledge through classroom theory lessons and acquire a core set of technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes units on safety, diesel engine mechanics, suspension and steering, air brake systems, electrical and electronic systems, and preventive maintenance. Students develop skills for troubleshooting problems, disassembling, rebuilding and reassembling engines. Students apply principles to service electrical and electronic systems. There is also an emphasis on inspecting, repairing/replacing various systems' components, as well as performing preventive maintenance on medium/heavy vehicle systems.

Industry Certifications

- Automotive Service Excellence (ASE):
Brakes, Diesel Engines, Electrical/Electronic Systems, Steering/Suspension, Inspection Maintenance and Minor Repair
- OSHA-10

Early Childhood Education

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Early Childhood Education allows students to obtain a variety of entry-level childcare occupations in day care centers and preschools. It also provides a foundation for students who want to attend a postsecondary early childhood education program. The program's curriculum enables students to develop a knowledge base through classroom theory lessons. The students acquire care giving, teaching, and managing skills by applying learned knowledge in the program's fully equipped preschool. Classroom lessons include lectures, reading and writing assignments, demonstrations, as well as individual and group projects/activities. Instruction includes units on growth and development, nutrition, program play activities, child abuse and neglect, learning experiences for children, regulations, laws, and policies relating to childcare services.

Industry Certifications

- Better Kid Care (BKC)
- Child Development Associate (CDA) – Ready
- Mandated Reporter
- Pediatric First Aid, CPR and AED

Electrical Occupations

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Electrical Occupations prepares students to apply technical knowledge and skills necessary to install, operate, maintain and repair many electrical systems. These include: electrically energized residential, commercial and industrial systems, DC/AC motors, as well as controls and electrical distribution panels. Instruction emphasizes practical application of circuit diagrams and the use of electrical codes. In addition, the curriculum also includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Other critical components of the program are reading and interpretation of commercial/residential construction wiring codes and specifications, installation and maintenance of wiring, along with service and distribution networks within large construction complexes.

Industry Certifications

- NCCER
- OSHA 10

Health Care Careers

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Health Care Careers prepares students to obtain entry-level positions in the health field and/or to pursue a postsecondary education. The program provides students with health career exploration activities, instruction of basic skills, and clinical experiences. These activities are fundamental to all areas of health care. Students develop health care knowledge through classroom theory lessons while practicing health care skills, in a laboratory setting, prior to their clinical assignments. Classroom lessons include lectures, reading and writing assignments, demonstrations, and individual/group projects. The program's core instruction includes units on medical terminology, anatomy and physiology, basic clinical skills, aseptic techniques, OSHA regulations, and infection control.

Industry Certifications

- Certified Patient Care Technician
- American Heart Association Health Care Provider CPR with AED/First Aid/Pediatric First Aid
- OSHA-10 Health Care
- PA Dept. of Health – Personal Care Home Direct Care Staff Person Training

Innovation & Entrepreneurial Development

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Innovation and Entrepreneurial Development enables students to learn first-hand about the risks and rewards of starting and operating a small business. The program's curriculum equips students with the knowledge and skills of fundamental business concepts and entrepreneurship. PowerPoint presentations, reading and writing assignments, and hands-on activities provide students with a practical overview. Students will consider the steps involved in turning an idea into a business. For example, learning to identify a passion/hobby that can provide a product or service, researching the market, and weighing the risks of starting a small business. The program's core instruction includes units on economic principles, business plans, business related math skills, technology skills, sales, and marketing techniques. Students engage in various business activities related to each planned unit.

Industry Certifications

- A.S.K Certification
- Office Pro Certification

Logistics – Material & Supply Chain Management

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Logistics and Materials Management is designed to prepare individuals for entry level employment in this industry. Students will learn and perform logistical functions associated with receiving, storing, and shipping goods. Other key components include learning various systems and record keeping for supply chain management.

Students with good attention to detail who enjoy a fast-paced, hands-on, physical workplace would be successful in this program. The curriculum provides instruction in the use of powered material, handling equipment, and OSHA safety and ergonomics. Supply chain management, automated inventory control systems, purchasing, receiving, order selections, packaging, and shipping methods are presented. Academic subjects include business mathematics and communication. The course includes job retention skills and customer relations.

Industry Certifications

- OSHA Career Safe
- MSSC – Certified Logistics Associate
- MSSC – Certified Logistics Technician

Precision Production Metals

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Precision Production Metals prepares students to obtain entry-level employment in the machine tool industry, apprenticeships sponsored by unions or manufacturers, and/or to pursue enrollment in postsecondary programs. The program's curriculum enables students to develop a knowledge base through classroom theory lessons and acquire technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program incorporates national skills standards developed by the National Institute of Metalworking Skills (NIMS). Instruction includes units on bench work and the operation of lathes, power saws, grinders, milling machines, drills, and computer operated equipment. Students also study the use of precision measuring instruments such as layout tools, micrometers and gauges, as well as blueprint reading. Emphasis is on machining parts for the NIMS performance exams.

Industry Certifications

- NIMS Certifications:
Measurement/Material/Safety, Job Planning/Layout, Turning I (Between Centers and Chucking), Milling I, Grinding I, and Drill Press I
- OSHA-10

Welding

Grades: 10, 11, or 12

Length: 36 weeks

Credits: 3.0

Welding prepares students to obtain entry-level employment as a welder or any welding-related position in both large and small companies. It also allows the student to pursue enrollment in a postsecondary program, such as welding engineering or metallurgy. The program's curriculum enables students to gain a knowledge base through classroom theory lessons. Program activities allow students to put their classroom learning into hands-on practice of technical skills. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes units on safety practices, gas cutting and welding, arc welding in various positions, and types and uses of electrodes and welding rods. Students also learn to fabricate and join metal parts according to diagrams, blueprints, and specifications.

Industry Certifications

- American Welding Society - AWS
 - OSHA-10
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