



Allied Health

- Explore healthcare careers through a combination of classroom instruction, hands-on activities, and patient skill experiences
- Earn CPR, AED, and First Aid certifications. Third science and college credit available
- Related careers: athletic trainer, biomedical science, medical assistant, physical therapist, occupational therapist, nurse, pharmacist, physician assistant, radiologic or surgical tech, and ultrasonographer



Health Science Academy

- Build foundational healthcare knowledge and advanced skills through potential clinical placements and credential opportunities
- Basic Life Support, EKG Technician, Certified Nursing Assistant, and Medical Assistant credentials are available as well as English, fourth-year math, third science, and college credit
- Related careers: athletic trainer, medical assistant, nurse, pharmacist, physician assistant, surgical technologist



Hospitality & Food Management

- Prepare and serve delicious foods, be part of Muskegon County's locally-grown food movement, and learn about a variety of careers in the hospitality industry
- Earn ServSafe® Food Handler's and Managers certifications. Fourth-year math and college credit available
- Related careers: executive chef; restaurant, food and beverage or hotel manager; event and conference organizer; and travel agent



Criminal Justice

- Learn the basics of criminal justice and law enforcement, assist first responders in critical incident training, practice self-defense, learn to process a crime scene, and participate in a mock court trial
- Earn CPR, Certified Emergency Response Team (CERT), and Incident Command System (ICS) certifications. English and college credit available
- Related careers: law enforcement, courts, corrections, fire, and homeland security



Teacher Academy

- Explore human development, classroom ethics, and professional responsibilities as you practice your skills alongside veteran teachers in local classrooms
- CPR, AED, and First Aid certifications; and Child Development Associate, Michigan Youth Development Associate, Behavior Analyst credentials available. English and college credit available
- Related careers: teacher, paraprofessional, school counselor, principal, dean of students, childcare provider

COMING FALL 2026!

Community Health Worker

Students develop essential CHW skills like communication, active listening, patient advocacy, documentation, and resource coordination to serve as a vital link between health and social services. Related careers: case manager, community health worker, social worker

DID YOU KNOW?
 CTC classes are FREE to juniors and seniors.
 All CTC classes offer FREE college credit.
 Academic credit such as English, math, or science is available in many CTC classes.

CAREER TECH CENTER
2026-27 COURSE GUIDE

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Agriculture & Natural Resources

- Engage in activities related to animal anatomy and physiology, animal nutrition and care, greenhouse production, floriculture, and natural resources management
- Earn professional certifications in animal, plant, and environmental science. English, third science, and college credit available
- Related careers: community and urban farming, greenhouse management, natural resources management, and veterinary medicine



Graphic Production

- Apply color theory, the elements and principals of design, typography, and other design basics to create original artwork using professional software and production equipment
- American Screen Printing certification available as well as fourth-year math and college credit
- Related careers: graphic design, illustration, printing, photo editing, product production, and marketing



Construction Trades

- Learn carpentry, masonry, roofing, drywall, and other skills to safely build an entire house from start to finish
- Eligible to earn OSHA 10-Hour Safety certification, 60-Hour Prelicensure Builder training, Carpenters International Training Fund Level 3 Credential, and pre-apprenticeship carpentry skills. Fourth-year math and college credit available
- Related careers: carpenter, plumber/pipefitter, HVAC, electrician, mason, estimator, construction management, sales and design



Electrical/Computer Technologies

- Learn to install electrical, communications, and data cabling, explore alternative energy and robotic programming, use multimeters, wave generators, and oscilloscopes
- Electrical Training Alliance (ETA) Student Electronics Technician, ETA Electrical Interim, FANUC (robot), and OSHA certifications, as well as fourth-year math, third science, and college credit available
- Related careers: electrician, engineer, security installer, machine repair technician, telecommunications, and robotics technician



Software Design & Development

- Learn skills in software design and programming (C#), web development (HTML/CSS), game development (Unity), and virtual reality (Unity/Oculus)
- Certiport certifications in Software Development, Computational Thinking, Artificial Intelligence, HTML and CSS, Unity and more available as well as fourth-year math, and college credit
- Related careers: software developer, security analyst, video game developer, data forensics analyst, web developer



Cybersecurity & Networking

- Students will gain hands-on experience identifying network vulnerabilities and applying security controls to prevent attacks
- Cisco Certified Support Technician Cybersecurity, Pearson IT Specialist, and CompTIA Network+, and Security+ certifications available as well as articulated college credit
- Related careers: cybersecurity analyst, digital forensics investigator, incident response, network operators, system administrator, technical support, threat hunter



Engineering Design Thinking

- Engage in project-based learning combining science, engineering, and technology. Analyze, explain, and create solutions for real-world problems posed by business and community partners using the Design Thinking process
- Fourth-year math and college credit available
- Related careers: mechanical engineer, quality engineer, process engineer, manufacturing engineer, prosthetic engineer, engineer technician, and occupational therapist



Machine Tool Technology

- Operate machining tools such as lathes, milling machines, grinders, drill presses, saws, and computer numeric controlled (CNC) machines to produce metal parts with precise specifications
- Algebra II, fourth-year math, and college credit available
- Related careers: machinist, tool and die maker, industrial, mechanical, or manufacturing engineer, and CNC operator or programmer



Auto Collision/Refinishing

- Repair damaged vehicles by learning dent repair, welding techniques, panel replacement, surface preparation, estimating, and painting
- Earn ASE and I-CAR Academy credentials, Safety & Pollution Prevention training, and State of Michigan Collision Repair certification. Fourth-year math and college credit available
- Related careers: automotive painter, detailer, estimator, and automotive shop manager



Auto Service Technology

- Perform alignments, engine rebuilds, brake and driveline services, engine electrical system repairs, air conditioning servicing, and general automotive maintenance
- Earn Michigan State Mechanic Certifications, Fourth-year math and college credit available
- Related careers: automotive service technician, automotive service writer, and automotive service manager



Welding Technology

- Develop skills in gas metal arc (MIG), gas tungsten arc (TIG), stick electrode, and flux-core welding as well as plasma/thermal cutting processes
- Algebra II, fourth-year math, and college credit available
- Related careers: pipefitter, sheet metal worker, iron worker, millwright, and underwater welder

COMING FALL 2026!

Airframe Technician*

Inspect, repair, and maintain the structural components of airplanes while developing skills in riveting, metal cutting, and molding. Students practice routine inspections, repair or replace damaged parts, and document the work performed. Related careers: heavy equipment mechanic, avionics technician, sheet metal worker

HVAC (Heating, Ventilation, Air Conditioning & Refrigeration)*

Practice the fundamentals of commercial heating and cooling systems, including wiring, schematics, brazing, soldering, and HVAC installation and operation. Students can earn the EPA Refrigerant Handling Certification. Related careers include HVAC assistant or HVAC technician.

**Pending state approval*