



EXPLORING & ACCELERATING CAREERS

FUTURE. FOCUSED. make CTC part of your high school plan!

CAREER TECH CENTER



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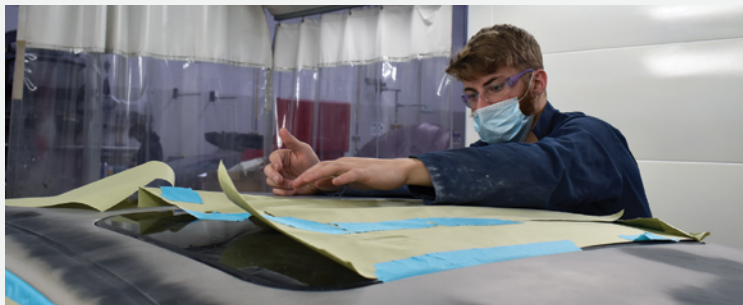
Muskegon Area
Intermediate School District
650 Harvey Street
Muskegon, Michigan 49442-4278





Allied Health

- Explore health care careers, learn basic anatomy and physiology, and practice patient care skills
- Earn Blood Borne Pathogen, CPR, AED, and first aid certifications. English and college credit available
- Related careers: athletic trainer, certified nursing assistant, medical assistant, physical/occupational therapist, nurse, pharmacist, physician assistant, radiologic or surgical tech, and ultrasonographer



Auto Collision/Refinishing

- Repair damaged vehicles by learning dent repair, welding techniques, panel replacement, surface preparation, estimating, and painting
- Earn Automobile Service Excellence (ASE), I-CAR, and OSHA Safety certifications. Fourth-year math and college credit available
- Related careers: automotive painter, detailer, estimator, and manager



Auto Service Technology

- Perform alignments, engine rebuilds, brakes and driveline services, engine electronics programming, air conditioning repair, and other general automotive maintenance and services
- Earn Automobile Service Excellence Student (ASE) certification. English, fourth-year math, and college credit available
- Related careers: automotive service technician, automotive service writer, automotive service manager



Computer-Aided Design (CAD)*

- Create standard drawings for engineering and architecture, communicate ideas for products and designs, use professional design software to create 2D/3D drawings, practice 3D printing
- Fourth-year math and college credit available
- Related careers: mechanical, automotive and aerospace engineering, industrial design, architecture, interior design, CAD/CAM, and construction management

*Part of the Early College: Advanced Technology Institute program



Construction Trades

- Learn carpentry, masonry, drywall, and roofing to build an entire house from start to finish
- Earn OSHA Safety certification and 60-Hour Pre-license Builder training. Fourth-year math and college credit available
- Related careers: skilled trades like plumbing, HVAC, electrical, masonry, drywall, painting, construction management, estimating, sales, and design



Cosmetology (Nuvo College of Cosmetology)

- Gain hands-on experience in haircutting, styling, perms, relaxers, coloring, foiling, skin care, waxing, manicures, pedicures, and makeup
- Receive training to take the State of Michigan license exam. College credit also available
- Related careers: hairstylist, esthetician, makeup artist, nail technician, salon owner or manager



Criminal Justice

- Serve alongside health care and first responders in mock 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, EMT, and homeland security



Graphic Production

- Learn color theory, the elements and principals of design, typography, and other design basics to create original artwork using professional software and production equipment
- English, fourth-year math, and college credit available
- Related careers: graphic design, illustration, printing, photo editing, and marketing



Electrical/Computer Technologies

- Learn to install high/low voltage and data wiring systems, explore alternative energy and robotic programming, use micrometers, wave generators, and oscilloscopes, operate a student repair store
- Earn CompTIA A+, ETA RESI, and OSHA certifications. Fourth-year math and college credit available
- Related careers: electrician, telecommunications technician, home security installer, computer/electronics repair technician, engineering, and robotics



Hospitality & Food Management

- Prepare and serve delicious foods, be part of Muskegon County's locally-grown food movement, and experience a day in the life of a manager in some of the area's most popular attractions
- Earn ServSafe®, ProStart, American Culinary Federation, and School Nutrition Association certifications. English, fourth-year math, and college credit available
- Related careers: executive chef; restaurant, food and beverage, or hotel manager; event and conference organizer, or travel agent



Environmental/Veterinary Sciences

- Learn agriculture and greenhouse systems; animal anatomy, physiology, nutrition, and care; create floral arrangements; and harvest honey from a hive
- Earn Animal Science, CPR, Canine Care and Training, Green Industry Professional, Michigan Certified Florist, and OSHA certifications. English and college credit available
- Related careers: agriculture engineer, bee keeper, biologist, conservation officer, landscape designer, and veterinarian



Internet, Network & Security Technologies

- Learn skills in computer networking, video game development, cyber security, mobile app creation, and computer hardware
- Earn certifications in Networking Fundamentals, Security Fundamentals, CompTIA A+, CompTIA Network+, CompTIA Security+. English, fourth-year math, and college credit available
- Related careers: computer programmer, network engineer, security analyst, video game developer, and data forensics specialist



Machining/Engineering 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
- Fourth-year math and college credit available
- Related careers: machinist, tool and die maker, industrial, mechanical, or manufacturing engineer, and CNC operator or programmer

*Part of the Early College: Advanced Technology Institute program



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
- Fourth-year math and college credit available
- Related careers: pipefitters, sheet metal workers, iron workers, millwrights, and underwater welding



Health Science Academy

Designed for the returning Allied Health student

- Learn college-level medical terminology, practice clinical skills in on-site patient care lab, and participate in work-based learning at local health care facilities and community-based agencies
- Earn optional Certified Nursing Assistant (CENA) or Pharmacy Tech certificates. English, fourth-year math, and college credit available
- Related careers: medical assistant, surgical technologist, athletic trainer, pharmacist, physician assistant, and psychologist



Bio Tech & Engineering

Designed for returning Allied Health, Auto Service, CAD, Internet, Network & Security, or Machining/Engineering Technology students

- Engage in project-based learning combining science, engineering, and technology. Analyze, explain, and create solutions to real-world problems proposed by community and business partners
- English, fourth-year math, and college credit available
- Related careers: computer programmer, engineer, physical therapist, occupational therapist, and biotechnical careers

DID YOU KNOW?

CTC classes are FREE to juniors and seniors!
Think of the CTC as an extension of your local high school.

All CTC classes offer FREE college credit.
Learn more by clicking on the **College & Career** tab at muskegonctc.org.

Transportation is provided. Most districts provide transportation to the main campus and Construction Trades site. Speak to your school counselor for your district's policy.



TAKE A TOUR!

Scan the QR code with your phone, or visit tourthectc.org for our 360-degree, virtual tour!