



### Health Science Academy

- Build foundational healthcare knowledge and advanced skills through potential clinical placements and credential opportunities
- BLS/First Aid certification, 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



### Machining 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



### Software Design & Development

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



### 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, and Behavior Analyst credentials available. English and college credit available
- Related careers: teacher, paraprofessional, school counselor, principal, dean of students, childcare provider



### 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: pipefitters, sheet metal workers, iron workers, millwrights, and underwater welding



# EQUIPPING STUDENTS TO EXCEL

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

CAREER TECH CENTER



## 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](http://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.

The District is committed to equal employment opportunity and compliance with federal, state, and local laws that prohibit workplace discrimination, unlawful harassment, and unlawful retaliation based on any protected class or activity. This Policy applies to all aspects of employment, including recruiting, advertising, hiring, training, job placement, evaluation, classification, promotion, transfer, work assignment, compensation, benefits, discipline, demotion, termination, reduction in force, recall, and any other term or condition of employment. This Policy prohibits discrimination against employees or applicants for employment based on the following protected classes: race, color, national origin, ethnicity, religion, sex (including pregnancy, gender identity, and sexual orientation), height, weight, marital status, age, disability, genetic information, veteran status, military service, or any other legally protected class.

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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 industry-recognized certifications. English, third science, and college credit available
- Related careers: community and urban farming, greenhouse management, natural resources management, and veterinary medicine



### Auto Service Technology

- Perform alignments, engine rebuilds, brake and driveline services, engine electrical system repairs, air conditioning servicing, and general automotive maintenance
- Earn Automobile Service Excellence (ASE) Entry Level credential Fourth-year math and college credit available
- Related careers: automotive service technician, automotive service writer, and automotive service manager



### 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



### 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



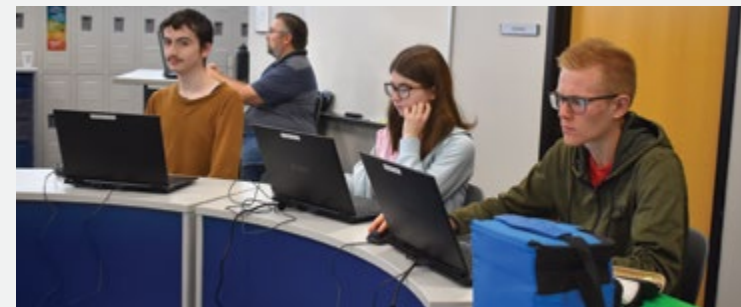
### Allied Health

- 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



### Construction Trades

- Learn carpentry, masonry, roofing, drywall, and other skills to safely build an entire house from start to finish
- 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



### Cybersecurity & Networking

- Students acquire essential skills in PC hardware and operating systems, along with expertise in wired and wireless networking, customer service, technology troubleshooting, and offensive and defensive cybersecurity practices
- Industry certifications and articulated college credit available
- Related careers: Network Support Specialist, IT Project Manager, IT Analyst, Network Administrator, Cyber Security Analyst



### 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



### 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



### Cosmetology (Nuvo College of Cosmetology)

Designed for high school seniors

- Learn services offered in a typical salon including hair cutting, coloring and styling, manicures, pedicures, makeup, facials, and chemical services
- Receive training hours towards the State of Michigan license exam and college credit
- Related careers: cosmetologist, nail technician, esthetician, and sales consultant



### Electrical/Computer Technologies

- Learn to install electrical, communications, and data cabling, explore alternative energy and robotic programming, use multimeters, wave generators, and oscilloscopes
- Electrical Interim Credential, OSHA 10-hr Construction, FANUC (Robot), and Student Electronics Technician certifications as well as fourth-year math, third science, and college credit available
- Related careers: electrician, engineer, security installer, machining repair technician, telecommunications, and robotics technician



### 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. 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