






















# STATE APPROVED CAREER AND TECHNICAL EDUCATION PROGRAMS

In Michigan, programs are grouped into 17 Career Clusters. Each Career Cluster has several Pathways that lead to multiple careers within a sector.

- Every CTE Program consists of a sequence of courses that **begins in high school** and leads to a degree or credential.
- Every CTE Program must provide rigorous content that is aligned with **challenging academic standards**.
- Every CTE Program partners with postsecondary schools that allow students to **earn college credits** or stackable credentials while in high school.
- Every CTE Program partners with local employers to maintain current industry practices, provide students with **work-based learning experiences**, and leadership opportunities.
- Every CTE Program instructor has work experience in a related field and must keep their skills current. They must also maintain a **local advisory committee** made up of industry partners that provide input into their curriculum and program features.

**In Monroe County, students have access to CTE Programs through a county-wide consortium.**

In the 2022-2023 academic year, more than 2,300 high school students participated in CTE Programs somewhere in Monroe County.

 <p><b>ACCOUNTING &amp; FINANCIAL MANAGEMENT</b> <i>Airport, Bedford Monroe</i></p>	 <p><b>AGRICULTURE OPERATIONS</b> <i>Airport, Dundee Ida, Whiteford</i></p>	 <p><b>AUTO TECHNICIAN (MLR)</b> <i>Airport, Bedford Jefferson, Monroe</i></p>	 <p><b>BUSINESS ADMINISTRATION, MANAGEMENT, AND OPERATIONS</b> <i>Airport, Bedford Dundee, Monroe</i></p>	 <p><b>COMPUTER AND INFORMATION SYSTEMS SECURITY</b> <i>Bedford</i></p>	 <p><b>COMPUTER PROGRAMMING/ PROGRAMMER</b> <i>Bedford Monroe</i></p>
 <p><b>COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS</b> <i>Bedford Monroe</i></p>	 <p><b>CONSTRUCTION TRADES</b> <i>Bedford, Dundee, Jefferson, Monroe</i></p>	 <p><b>COSMETOLOGY</b> <i>MCISD</i></p>	 <p><b>DIGITAL MULTIMEDIA &amp; INFORMATION RESOURCES DESIGN</b> <i>Airport, Bedford, Monroe</i></p>	 <p><b>DRAFTING AND DESIGN TECHNOLOGY</b> <i>Airport, Bedford, Dundee, Monroe</i></p>	 <p><b>EDUCATION GENERAL</b> <i>Monroe</i></p>
 <p><b>ELECTRICAL/ELECTRONICS EQUIPMENT INSTALLATION AND REPAIR</b> <i>Monroe</i></p>	 <p><b>EMERGENCY MEDICAL TECHNICIAN (EMT)</b> <i>Dundee</i></p>	 <p><b>FAMILY AND CONSUMER SCIENCE</b> <i>Bedford</i></p>	 <p><b>FASHION DESIGN</b> <i>Monroe</i></p>	 <p><b>FIREFIGHTING I AND FIREFIGHTING II</b> <i>Dundee</i></p>	 <p><b>HEALTH/THERAPEUTIC SERVICES</b> <i>Monroe</i></p>
 <p><b>MACHINE TOOL OPERATION/MACHINE SHOP</b> <i>Bedford, MCISD</i></p>	 <p><b>MARKETING, SALES AND SERVICE</b> <i>Airport, Bedford, Jefferson, Monroe</i></p>	 <p><b>MECHATRONICS</b> <i>Airport</i></p>	 <p><b>PUBLIC SAFETY LAW ENFORCEMENT</b> <i>MCISD</i></p>	 <p><b>RADIO AND TV BROADCASTING</b> <i>Bedford</i></p>	 <p><b>SYSTEMS ADMINISTRATION/ ADMINISTRATOR</b> <i>Airport, Mason</i></p>
 <p><b>WELDING, BRAZING, AND SOLDERING</b> <i>Airport, Bedford, Ida, Monroe</i></p>	 <p><b>CTE</b> LEARNING THAT WORKS FOR MONROE COUNTY</p>				

**LEARNING TODAY  
EARNING TOMORROW**

**FOR MORE INFORMATION**  
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# WHAT IS CAREER AND TECHNICAL EDUCATION?

**92%** of high school students and **69%** of college and adult students are engaged in CTE, learning skills in the classroom and on the job.<sup>1</sup>

**CTE** is delivered at comprehensive and CTE-dedicated high schools, magnet schools, area technical centers, community and technical colleges and some four-year universities.

**CTE students** earn industry certifications and licenses, postsecondary certificates, associate degrees, bachelor's degrees and higher.

**CTE is good for students, good for businesses and good for communities.**

CTE high school students are college and career ready – **94%** graduate high school and most enroll directly in college.<sup>2</sup>

CTE associate degrees can pay **\$10,000 more** per year than associate degrees in other fields – and can even pay more than bachelor's degrees – while limiting student debt.<sup>3</sup>

CTE is the answer to the nation's projected deficit of **6.5 million** skilled workers, including infrastructure, health care and manufacturing workforce shortages.<sup>4</sup>

<sup>1</sup> U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics (NCES), High School Longitudinal Study of 2009 (HLS:09), Base-year, 2013 Update, and High School Transcript File; U.S. Department of Education, National Center for Education Statistics, 2015–16 National Postsecondary Student Aid Study (NPSAS:16).

Perkins Collaborative Resource Network, Perkins Data Explorer, customized Consolidated Annual Report data; U.S. Department of Education, Office of Elementary and Secondary Education, Consolidated State Performance Report, 2010-11 through 2017-18; U.S. Department of Education, NCES, HLS:09, Base-year, 2013 Update, High School Transcript, and Second Follow-Up.

<sup>3</sup> Georgetown University Center on Education and the Workforce. (2020). The overlooked value of certificates and associate degrees: What students need to know before they go to college; Schneider, M. (2013). Higher education pays; College Board, Annual Survey of Colleges; NCES, IPEDS Fall 2020 Enrollment data and IPEDS 2020 Institutional Characteristics data.

<sup>4</sup> Construction Industry Resources as cited in Ngo, M. (2021). Skilled workers are scarce, posing a challenge for Biden's infrastructure plan. New York Times; Korn Ferry. (2018). Future of work: The global talent crunch; Strack, R., Carrasco, M., Kolo, P., Nouri, N., Pridis, M., & George, R. (2021). The future of jobs in the era of AI; Wellener, P., Reyes, V., Ashton, H., & Moutray, C. (2021). Creating pathways for tomorrow's workforce today.

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Visit [www.monroeisd.us](http://www.monroeisd.us) |  "CTE"  
for more CTE program information



*The Monroe County CTE Program is under the auspices of the Monroe County Intermediate School District.*

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LEARNING THAT WORKS  
FOR MONROE COUNTY

# CAREER AND TECHNICAL EDUCATION *Pathways*

