

**Michigan Department of Education
Office of Career and Technical Education**

**State-Approved Career and Technical Education
Less-Than-Class-Size Program Career Clusters and CIP Codes
2023-2024**

Agriculture, Food & Natural Resources

- 01.0000 Agriculture, Agricultural Operations and Related Sciences
- 01.0601 Applied Horticulture and Horticultural Operations
- 01.0903 Animal Health & Veterinary Sciences
- 03.0000 Natural Resources and Conservation
- 26.1201 Biotechnology

Architecture & Construction

- 15.1301 Drafting & Design Technology/Architectural
- 19.0605 Home Furnishings Equipment Installers and Consultants
(Not available for New Program Applications)
- 46.0000 Construction Trades
- 46.0301 Electrical and Power Transmission Installation
- 46.0503 Plumbing Technology
- 47.0201 Heating, Air Conditioning, Ventilation and Refrigeration

Arts, A/V Technology & Communications

- 10.0202 Radio & Television Broadcasting Technology
- 10.0301 Graphics and Printing Technology and Communications
- 19.0906 Fashion Design ***(Not available for New Program Applications)***
- 50.0101 Visual & Performing Arts

Business, Management & Administration

- 52.0299 Business Administration Management and Operations

Education & Training

- 13.0000 Education General

Energy

- 46.0303 Line Worker
- 46.0502 Plumbing-Pipefitter and Sprinkler Fitter

Family & Consumer Sciences (not a career cluster)

- 19.0000 Family and Consumer Sciences
(Not available for New Program Applications)

Finance

- 52.0800 Finance and Financial Management Services
- 52.1701 Insurance

Government & Public Administration

- 28.0301 Army (JROTC)

Health Science

- 26.0102 Biomedical Sciences, General
- 51.0000 Health Sciences/Allied Health/Health Sciences, General
- 51.0707 Health Information/Medical Records Technology/Technician
- 51.1000 Clinical/Medical Laboratory Science/Research and Allied Professions

Hospitality & Tourism

- 12.0500 Cooking and Related Culinary Arts, General
- 52.0901 Hospitality Administration/Management, General

Human Services

- 12.0400 Cosmetology

Information Technology

- 11.0201 Computer Programming/Programmer
- 11.0801 Digital/Multimedia and Information Resources Design
- 11.0901 Computer Systems Networking and Telecommunications
- 11.1001 System Administration/Administrator
- 11.1003 Computer and Information Systems Security/Information Assurance

Law, Public Safety, Corrections & Security

- 43.0100 Public Safety/Protective Services

Manufacturing

- 47.0101 Electrical/Electronics Equipment Installation and Repair General
- 48.0501 Machine Tool Technology/Machinist
- 48.0508 Welding, Brazing and Soldering
- 48.0701 Woodworking General

Marketing

- 52.1999 Specialized Merchandising, Sales, and Marketing Operations, Other

Science, Technology, Engineering and Mathematics

- 14.4201 Mechatronics
- 15.0000 Engineering Technology
- 15.1306 Mechanical Drafting

Transportation, Distribution & Logistics

- 47.0399 Heavy/Industrial Equipment Maintenance Technologies
- 47.0603 Collision Repair Technician (ASE Certified)
- 47.0604 Automobile Technician (ASE Certified)
- 47.0606 Small Engine & Related Equipment Repair
- 47.0607 Airframe Technology
- 47.0608 Power Plant Technology (Aircraft)
- 47.0609 Avionics Maintenance Technology
- 47.0613 Medium/Heavy Truck Technician (ASE Certified)
- 49.0101 Aeronautics/Aviation/Aerospace Science and Technology
- 49.0102 Airline/Commercial/Professional Pilot and Flight Crew