**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**

**2024-2025**

# 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

# 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

51.1000 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