

Michigan Department of Education
Office of Career and Technical Education
State-Recognized CTSOs by Career Cluster and CIP Code
2021-2022

* Not Available for New Program Applications

Agriculture, Food & Natural Resources

CIP Code	CIP Code Name	CTSO
01.0000	Agriculture, Agricultural Operations and Related Sciences	FFA
01.0601	Applied Horticulture and Horticultural Operations	FFA
01.0903	Animal Health & Veterinary Sciences	FFA
03.0000	Natural Resources and Conservation	FFA
26.1201	Biotechnology	FFA

Architecture & Construction

CIP Code	CIP Code Name	CTSO
15.1301	Drafting & Design Technology/Architectural	SkillsUSA
19.0605*	Home Furnishings Equipment Installers and Consultants	FCCLA/SkillsUSA
46.0000	Construction Trades	SkillsUSA
46.0301	Electrical and Power Transmission Installation	SkillsUSA
46.0503	Plumbing Technology	SkillsUSA
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration	SkillsUSA

Arts, A/V Technology & Communications

CIP Code	CIP Code Name	CTSO
10.0202	Radio & Television Broadcasting Technology	SkillsUSA
10.0301	Graphics and Printing Technology and Communications	SkillsUSA
19.0906*	Fashion Design	FCCLA
50.0101	Visual & Performing Arts	SkillsUSA

Business, Management & Administration

CIP Code	CIP Code Name	CTSO
52.0299	Business Administration Management and Operations	BPA

Education & Training

CIP Code	CIP Code Name	CTSO
13.0000	Education General	FCCLA

Energy

CIP Code	CIP Code Name	CTSO
46.0303	Line Worker	SkillsUSA
46.0502	Plumbing-Pipefitter and Sprinkler Fitter	SkillsUSA

Family & Consumer Sciences (not a career cluster)

CIP Code	CIP Code Name	CTSO
19.0000*	Family and Consumer Sciences	FCCLA

Finance

CIP Code	CIP Code Name	CTSO
52.0800	Finance and Financial Management Services	BPA/DECA
52.1701	Insurance	BPA

Government & Public Administration

CIP Code	CIP Code Name	CTSO
28.0301	Army (JROTC)	SkillsUSA

Health Science

CIP Code	CIP Code Name	CTSO
26.0102	Biomedical Sciences, General	HOSA
51.0000	Health Sciences/Allied Health/Health Sciences, General	HOSA
51.0707	Health Information/Medical Records Technology/Technician	HOSA
51.1000	Clinical/Medical Laboratory Science/Research and Allied Professions	HOSA

Hospitality & Tourism

CIP Code	CIP Code Name	CTSO
12.0500	Cooking and Related Culinary Arts, General	SkillsUSA
52.0901	Hospitality Administration/Management, General	SkillsUSA

Human Services

CIP Code	CIP Code Name	CTSO
12.0400	Cosmetology	SkillsUSA

Information Technology

CIP Code	CIP Code Name	CTSO
11.0201	Computer Programming/Programmer	BPA
11.0801	Digital/Multimedia and Information Resources Design	BPA
11.0901	Computer Systems Networking and Telecommunications	BPA
11.1001	System Administration/Administrator	BPA
11.1003	Computer and Information Systems Security/Information Assurance	BPA

Law, Public Safety, Corrections & Security

CIP Code	CIP Code Name	CTSO
43.0100	Public Safety/Protective Services	SkillsUSA

Manufacturing

CIP Code	CIP Code Name	CTSO
47.0101	Electrical/Electronics Equipment Installation and Repair General	SkillsUSA
48.0501	Machine Tool Technology/Machinist	SkillsUSA
48.0508	Welding, Brazing and Soldering	SkillsUSA
48.0701	Woodworking General	SkillsUSA

Marketing

CIP Code	CIP Code Name	CTSO
52.1999	Specialized Merchandising, Sales, and Marketing Operations, Other	DECA

Science, Technology, Engineering and Mathematics

CIP Code	CIP Code Name	CTSO
14.4201	Mechatronics	SkillsUSA
15.0000	Engineering Technology	SkillsUSA
15.1306	Mechanical Drafting	SkillsUSA

Transportation, Distribution & Logistics

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