

Michigan Department of Education
Office of Career and Technical Education

2013-2014 COMPLETE LIST OF STATE-RECOGNIZED (Final Version 8/13)

Secondary Career and Technical Education (CTE) Program CIP Codes

By Federal Career Cluster and Federal CIP Code

IOC = Interim Occupational Certificate in Related CIP Code

OEC= Occupational Education Certificate

Certification Requirements

Agriculture, Food & Natural Resources

01.0000	Agriculture, Agricultural Operations and Related Sciences	IOC/OEC or Prov/Prof with HX & VA + IOC/OEC
01.0101	Agricultural Business and Management (not available for New CTE Application)	IOC/OEC or Prov/Prof with HX & VA + IOC/OEC
01.0601	Applied Horticulture and Horticultural Operations	IOC/OEC or Prov/Prof with HX & VA + IOC/OEC
01.0903	Animal Health & Veterinary Science	IOC/OEC or Prov/Prof with HX & VA + IOC/OEC
03.0000	Natural Resources and Conservation	IOC/OEC or Prov/Prof with HX & VA + IOC/OEC
26.1201	Biotechnology	IOC/OEC or Prov/Prof with HX & VA + IOC/OEC

Architecture & Construction

15.1301	Drafting & Design Technology/Architectural	IOC/OEC or Prov/Prof with VT + IOC/OEC
19.0605	Home Furnishings Equipment Installers and Consultants	IOC/OEC or Prov/Prof with VT + IOC/OEC
46.0000	Construction Trades	IOC/OEC or Prov/Prof with VT + IOC/OEC
46.0301	Electrical and Power Transmission Installation	IOC/OEC or Prov/Prof with VT + IOC/OEC
46.0503	Plumbing Technology	IOC/OEC
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration	IOC/OEC or Prov/Prof with VT + IOC/OEC

Arts, A/V Technology & Communications

10.0202	Radio & TV Broadcasting Technology	IOC/OEC or Prov/Prof with VT + IOC/OEC
10.0301	Graphics and Printing Technology and Communications	IOC/OEC or Prov/Prof with VT + IOC/OEC
50.0101	Visual & Performing Arts	IOC/OEC or Prov/Prof with VT + IOC/OEC
19.0906	Fashion Design	IOC/OEC or Prov/Prof with VT + IOC/OEC

Business, Management & Administration

52.0299	Business Administration Management and Operations	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC
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Education & Training

13.0000	Education General	Prof with VG + IOC/OEC
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Finance

52.0800	Finance and Financial Management Services	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC
52.1701	Insurance	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC

Government & Public Administration

28.0301	Army (JROTC)	DOD
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Health Science

26.0102	Biotechnology Medical Sciences	IOC/OEC or Prov/Prof with VS + IOC/OEC
51.0000	Therapeutic Services	IOC/OEC or Prov/Prof with VS + IOC/OEC
51.0707	Health Informatics	IOC/OEC or Prov/Prof with VS + IOC/OEC
51.1000	Diagnostic Services	IOC/OEC or Prov/Prof with VS + IOC/OEC

Hospitality & Tourism

12.9999	Personal and Culinary Services	IOC/OEC or Prov/Prof with VZ or VH with Food Management + IOC/OEC
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Human Services

12.0400	Cosmetology	IOC/OEC or Prov/Prof with VE + IOC/OEC
19.0700	Child and Custodial Care Services (Not available for New CTE Application)	IOC/OEC or Prov/Prof with VC + IOC/OEC

Information Technology

11.0201	Computer Programming/Programmer	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC
11.0801	Digital/Multimedia and Information Resources Design	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC
11.0901	Computer Systems Networking and Telecommunications	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC
11.1001	System Administration/Administrator	IOC/OEC or Prov/Prof with GQ and/or GX & VB + IOC/OEC

Law, Public Safety, Corrections & Security

43.0100	Public Safety/Protective Services	IOC/OEC or Prov/Prof with VF + IOC/OEC
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Manufacturing

47.0101	Electrical/Electronics Equipment Installation and Repair General	IOC/OEC or Prov/Prof with VT + IOC/OEC
48.0501	Machine Tool Technology/Machinist	IOC/OEC or Prov/Prof with VT + IOC/OEC
48.0508	Welding, Brazing and Soldering	IOC/OEC or Prov/Prof with VT + IOC/OEC
48.0701	Woodworking General	IOC/OEC or Prov/Prof with VT + IOC/OEC

Marketing

52.1999	Marketing, Sales and Service	IOC/OEC or Prov/Prof with GQ & VM, GX & VM, GM & VM (VM formerly VD) + IOC/OEC
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Science, Technology, Engineering and Mathematics

14.4201	Mechatronics	IOC/OEC
15.0000	Engineering Technology	IOC/OEC
15.1306	Mechanical Drafting	IOC/OEC or Prov/Prof with VT + IOC/OEC

Transportation, Distribution & Logistics

47.0399	Heavy Industrial Equipment Maintenance Technologies	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0603	Collision Repair Technician (NATEF Certified)	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0604	Automobile Technician (NATEF Certified)	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0606	Small Engine & Related Equipment Repair	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0607	Airframe Technology	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0608	Power Plant Technology (Aircraft)	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0609	Avionics Maintenance Technology	IOC/OEC or Prov/Prof with VT + IOC/OEC
47.0613	Medium/Heavy Truck Technician (NATEF Certified)	IOC/OEC or Prov/Prof with VT + IOC/OEC
49.0101	Aeronautics/Aviation/Aerospace Science & Technology	IOC/OEC or Prov/Prof with VT + IOC/OEC

Family and Consumer Sciences (non-wage earning)

19.0000	Family and Consumer Sciences	Prov/Prof with KH & VH + IOC/OEC
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When placing certified teachers in state-approved CTE programs, districts must look at the Occupational certificate to determine proper placement. V codes on general education certificates are indicators that the certificate holder also holds an IOC or OEC. V codes are not endorsements. For further clarification contact Debbie Ryan, Office of Professional Preparation Services, at ryand@michigan.gov or 517-335-0585.