

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

2011-2012 List of Secondary Career and Technical Education (CTE) Program CIP Codes Available for Application (Final Version 7/11)

By Federal Career Cluster and Federal CIP Code

IOC = Interim Occupational Certificate in Related CIP Code

		<u>IOC Requirements</u>
Agriculture, Food & Natural Resources		
01.0000	Agriculture, Agricultural Operations and Related Sciences	IOC or HX & VA + IOC
01.0101	Agricultural Business and Management	IOC or HX & VA + IOC
01.0601	Applied Horticulture and Horticultural Operations	IOC or HX & VA + IOC
01.0903	Animal Health & Veterinary Science	IOC or HX & VA + IOC
03.0000	Natural Resources and Conservation	IOC or HX & VA + IOC
26.1201	Biotechnology	IOC or HX & VA + IOC
Architecture & Construction		
15.1301	Drafting & Design Technology/Architectural	IOC or VT + IOC
19.0605	Home Furnishings Equipment Installers and Consultants	IOC or VT + IOC
46.0000	Construction Trades	IOC or VT + IOC
46.0301	Electrical and Power Transmission Installation	IOC or VT + IOC
46.0503	Plumbing Technology	IOC
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration	IOC or VT + IOC
Arts, A/V Technology & Communications		
10.0202	Radio & TV Broadcasting Technology	IOC or VT + IOC
10.0301	Graphics and Printing Technology and Communications	IOC or VT + IOC
50.0101	Visual & Performing Arts	IOC or VT + IOC
19.0906	Fashion Design	IOC or VT + IOC
Business, Management & Administration		
	No CTE Programs available for application during 2011-12	
Education & Training		
13.0000	Education General	IOC or VG + IOC
Finance		
52.0800	Finance and Financial Management Services	IOC or GQ and/or GX & VB + IOC
Government & Public Administration		
28.0301	Army (JROTC)	DOD
Health Science		
26.0102	Biotechnology Medical Sciences	IOC or VS + IOC
51.0000	Therapeutic Services	IOC or VS + IOC
51.0707	Health Informatics	IOC or VS + IOC
51.1000	Diagnostic Services	IOC or VS + IOC
Hospitality & Tourism		
12.9999	Personal and Culinary Services	IOC or VH with Food Management or VZ + IOC
Human Services		
12.0400	Cosmetology	IOC or VE + IOC
Information Technology		
11.0201	Computer Programming/Programmer	IOC or GQ and/or GX & VB + IOC
11.0801	Digital/Multimedia and Information Resources Design	IOC or GQ and/or GX & VB + IOC
11.0901	Computer Systems Networking and Telecommunications	IOC or GQ and/or GX & VB + IOC
11.1001	System Administration/Administrator	IOC or GQ and/or GX & VB + IOC
Law, Public Safety, Corrections & Security		
43.0100	Public Safety/Protective Services	IOC or VF + IOC
Manufacturing		
47.0101	Electrical/Electronics Equipment Installation and Repair General	IOC or VT + IOC
47.0616	Marine Maintenance	IOC or VT + IOC
48.0501	Machine Tool Operation/Machine Shop	IOC or VT + IOC
48.0508	Welding, Brazing and Soldering	IOC or VT + IOC
48.0701	Woodworking General	IOC or VT + IOC
Marketing		
	No CTE Programs available for application during 2011-12	
Science, Technology, Engineering and Mathematics		
14.4201	Mechatronics	IOC
15.0000	Engineering Technology	IOC
15.1306	Mechanical Drafting	IOC or VT + IOC
Transportation, Distribution & Logistics		
	No CTE Programs available for application during 2011-12	
Family and Consumer Sciences (not a Federal Cluster)		
19.0000	Family and Consumer Sciences	KH & VH