

**Michigan Department of Education**  
**Office of Career and Technical Education**  
**Teacher Certification Requirements by Career Cluster and CIP Code**  
**2019-2020**

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 a Standard CTE or Professional CTE Certificate. For further clarification contact the Office of Educator Excellence at 517-373-3310.

**Agriculture, Food & Natural Resources**

01.0000	Agriculture, Agricultural Operations and Related Sciences	Standard/Professional CTE Certificate or Prov/Prof Certificate with HX & VA
01.0601	Applied Horticulture and Horticultural Operations	Standard/Professional CTE Certificate or Prov/Prof Certificate with HX & VA
01.0903	Animal Health & Veterinary Sciences	Standard/Professional CTE Certificate or Prov/Prof Certificate with HX & VA
03.0000	Natural Resources and Conservation	Standard/Professional CTE Certificate or Prov/Prof Certificate with HX & VA
26.1201	Biotechnology	Standard/Professional CTE Certificate or Prov/Prof Certificate with HX & VA

**Architecture & Construction**

15.1301	Drafting & Design Technology/Architectural	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
19.0605	Home Furnishings Equipment Installers and Consultants (Not available for New Program Applications)	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
46.0000	Construction Trades	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
46.0301	Electrical and Power Transmission Installation	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
46.0503	Plumbing Technology	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT

**Arts, A/V Technology & Communications**

10.0202	Radio & Television Broadcasting Technology	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
10.0301	Graphics and Printing Technology and Communications	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
19.0906	Fashion Design (Not available for New Program Applications)	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
50.0101	Visual & Performing Arts	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT

**Business, Management & Administration**

52.0299	Business Administration Management and Operations	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
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**Education & Training**

13.0000	Education General	Standard/Professional CTE Certificate and Professional Certificate with VG
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## Energy

46.0303	Line Worker	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
46.0502	Plumbing-Pipefitter and Sprinkler Fitter	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT

## Family & Consumer Sciences (*not a career cluster*)

19.0000	Family and Consumer Sciences (Not available for New Program Applications)	Standard/Professional CTE Certificate or Prov/Prof Certificate with KH & VH
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## Finance

52.0800	Finance and Financial Management Services	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
52.1701	Insurance	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM

## Government & Public Administration

28.0301	Army (JROTC)	DOD
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## Health Science

26.0102	Biomedical Sciences, General	Standard/Professional CTE Certificate or Prov/Prof Certificate with VS
51.0000	Health Sciences/Allied Health/Health Sciences, General	Standard/Professional CTE Certificate or Prov/Prof Certificate with VS
51.0707	Health Information/Medical Records Technology/Technician	Standard/Professional CTE Certificate or Prov/Prof Certificate with VS
51.1000	Clinical/Medical Laboratory Science/Research and Allied Professions	Standard/Professional CTE Certificate or Prov/Prof Certificate with VS

## Hospitality & Tourism

12.0500	Cooking and Related Culinary Arts, General	Standard/Professional CTE Certificate or Prov/Prof Certificate with VZ or VH with Food Management
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## Human Services

12.0400	Cosmetology	Standard/Professional CTE Certificate or Prov/Prof Certificate with VE
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## Information Technology

11.0201	Computer Programming/Programmer	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
11.0801	Digital/Multimedia and Information Resources Design	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
11.0901	Computer Systems Networking and Telecommunications	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
11.1001	System Administration/Administrator	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
11.1003	Computer and Information Systems Security/Information Assurance	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM

## Law, Public Safety, Corrections & Security

43.0100	Public Safety/Protective Services	Standard/Professional CTE Certificate or Prov/Prof Certificate with VF
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## Manufacturing

47.0101	Electrical/Electronics Equipment Installation and Repair General	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
48.0501	Machine Tool Technology/Machinist	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
48.0508	Welding, Brazing and Soldering	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
48.0701	Woodworking General	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT

## Marketing

52.1999	Specialized Merchandising, Sales, and Marketing Operations, Other	Standard/Professional CTE Certificate or Prov/Prof Certificate with VB or VM
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## Science, Technology, Engineering and Mathematics

14.4201	Mechatronics	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
15.0000	Engineering Technology	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT
15.1306	Mechanical Drafting	Standard/Professional CTE Certificate or Prov/Prof Certificate with VT

## Transportation, Distribution & Logistics

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