

COMPLETE LIST OF STATE-RECOGNIZED

SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

By Federal Career Cluster and Federal Classification of Instructional Program (CIP) Code

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

CTE teachers must be appropriately certificated with the CIP code to teach CTE and/or related career pathway courses.

AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

01.0000 AGRICULTURE, AGRICULTURAL OPERATIONS AND RELATED SCIENCES

Instructors with recent and relevant experience within the following CIPs may teach this program.

Agriculture Science and Natural Resources 02.9999

Agriculture, Agricultural Operations and Related Sciences 01.0000

Agriculture Production, General 01.0301

PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Agricultural Construction/Maintenance 01.0306

Agricultural Electrification 01.0307

Agricultural Mechanical Skills 01.0305

Agricultural Mechanics & Equip/Machinery Tech 02.0205

Agricultural Mechanics 01.0201

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AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

01.0101 AGRICULTURE, FOOD AND NATURAL RESOURCES – Not available for new CTE application

Instructors with recent and relevant experience within the following CIPs may teach this program.

Agriculture, Agricultural Operations and Related Sciences 01.0000

Agriculture, Food & Natural Resources 01.0101

Agriculture Production, General 01.0301

Agriculture Science and Natural Resources 02.9999

Agricultural Supplies/Services 01.0200

Farm Business Management 01.0104 Feeds 01.0202

Fertilizers 01.0204

PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Agricultural Structure/Conveniences 01.0302

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AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

01.0601 APPLIED HORTICULTURE AND HORTICULTURAL OPERATIONS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Agriculture Science and Natural Resources 02.9999
Agriculture, Agricultural Operations and Related Sciences 01.0000
Agriculture Production, General 01.0301
Applied Horticulture and Horticultural Operations 01.0601
Greenhouse Operation/Management 01.0503
Ground Operations 17.0403
Nursery Operation Management 01.0505

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AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

03.0000 NATURAL RESOURCES AND CONSERVATION

Instructors with recent and relevant experience within the following CIPs may teach this program.

Agricultural Resources 01.0600	Forestry 01.0700
Agriculture Science and Natural Resources 02.9999	Forests 01.0107
Agriculture, Agricultural Operations and Related	Natural Resources and Conservation 03.0000
Agriculture Production, General 01.0301	Sciences 01.0000
Environmental Health 07.0700	Soil Management 01.0303
	Wildlife 01.0604

PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Fish Farm/Hatcheries 01.0607
Water 01.0605
Water Management 01.0304

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AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

26.1201 BIOTECHNOLOGY

Instructors with recent and relevant experience within the following CIPs may teach this program.

Agriculture Science and Natural Resources 02.9999

Agriculture, Agricultural Operations and Related Sciences 01.0000

Biotechnology 26.1201

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ARCHITECTURE AND CONSTRUCTION CLUSTER

15.1301 DRAFTING AND DESIGN TECHNOLOGY/ARCHITECTURAL

Instructors with recent and relevant experience within the following CIPs may teach this program.

Architectural Drafting CAD 15.1303

Architectural Drafting 17.1398

Blueprint Reader 17.0500

Drafting and Design Technology/Architectural 15.1301

Drafting 48.0101

Engineering Technology 15.0000

Machine Shop 17.2302

Machine Shop 17.2303

Machine Tool Technology/Machinist 48.0501

Mechanical Drafting 15.1306

Mechatronics 14.4201

TEACHERS CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID STANDARD/PROFESSIONAL/CONTINUING CERTIFICATE WITH IX, TX, OR TE ENDORSEMENT

Electrical and Power Transmission Installation 46.0301

Electrical, Electronics, and Comm Engineer 14.1001

Electrical/Electronics Equipment Installation and Repair

General 47.0101

Electrical/Electronics Maintenance and Repair Technology,

Other 47.0199

Electro-Mechanical Technology 15.0403

Electronics 17.1002

Industrial Production 15.0612

Precision Metal Working, Other 48.0599

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ARCHITECTURE AND CONSTRUCTION CLUSTER

19.0605 HOME FURNISHINGS EQUIPMENT INSTALLERS AND CONSULTANTS

Not available for new CTE application

Instructors with recent and relevant experience within the following CIPs may teach this program.

Home Furnishings 20.0501

Home Furnishings Equipment Installers and Consultants 19.0605

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ARCHITECTURE AND CONSTRUCTION CLUSTER

46.0301 ELECTRICAL AND POWER TRANSMISSION INSTALLATION

State of Michigan license, if applicable, required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Electrical and Power Transmission Installation 46.0301

Electrical, Electronics, & Comm Engineer 14.1001

Electricity 17.1002

Electro-Mechanical Technology 15.0403

Electro-Mechanical Technology 47.0199

Electronics Occupations 17.1500

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ARCHITECTURE AND CONSTRUCTION CLUSTER

46.0503 PLUMBING TECHNOLOGY

State of Michigan license, if applicable, required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Plumbing and Pipefitting 17.1007
Plumbing Technology 46.0503

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ARCHITECTURE AND CONSTRUCTION CLUSTER

47.0201 HEATING, AIR CONDITIONING, VENTILATION AND REFRIGERATION

Instructors with recent and relevant experience within the following CIPs may teach this program.

Cooling 17.0101

Gas Appliances 17.0202

Heating 17.0102

Heating, Air Conditioning, Ventilation and Refrigeration 47.0201

Refrigeration 17.3000

Ventilating 17.0103

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ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

10.0202 RADIO AND TV BROADCASTING TECHNOLOGY

Instructors with recent and relevant experience within the following CIPs may teach this program.

Radio & TV Broadcasting Technology 10.0202

Radio & TV Production 09.0701

Radio/Television 17.1503

Radiological Technician 07.0702

TV and Radio Production 17.1599

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ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

10.0301 GRAPHICS AND PRINTING TECHNOLOGY AND COMMUNICATIONS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Commercial Art Occupation 17.0700
Commercial Photo Occupations 17.0900
Composition Make-Up and Type 17.1901
Glazing 17.1009
Graphics and Printing 48.0201
Graphics and Printing Tech. Communications 10.0301
Graphic Arts Occupations 17.1900

Litho Photo and Plate Making 17.1903
Photo Lab and Dark Room Occupation 17.0901
Photoengraving 17.1904
Printing Press Occupation 17.1902
Production Design 17.0703
Silk Screen Making/Print 17.1905
Visual Imaging 48.0299

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ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

50.0101 VISUAL AND PERFORMING ARTS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Communications 17.1501

Drama/Theater Arts and Stage Craft 50.0599

Visual and Performing Arts 50.0101

Visual Communications Technology 50.0401

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ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

19.0906 FASHION DESIGN – Not available for new CTE application

Instructors with recent and relevant experience within the following CIPs may teach this program.

Apparel and Accessories 04.0200
Clothing Management 09.0202
Fabric Maintenance 17.1600
Fashion Design 19.0606
Floor Covering 17.1097
Floriculture 01.0502
Floristry 04.0500
Interior Decorating 17.0701

Leather working 17.3400
Painting and Decorating 17.1005
Shoe Manufacturing 17.3401
Tailoring 17.3300
Textile Production 17.3302
Upholstery 17.3500
Window Display 17.0702

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BUSINESS, MANAGEMENT AND ADMINISTRATION CLUSTER

52.0299 BUSINESS ADMINISTRATION MANAGEMENT AND OPERATIONS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100	Information Technology 11.1000
Business Administration Management and Operations 52.0299	Insurance 52.1701
Business Machine Repair 47.0102	Marketing Education 08.0708
Business Services 07.0999	Marketing, Sales and Service 52.1999
Business Services and Technology 52.9999	Marketing, Sales and Services 08.0700
Business, Management and Administration 52.9994	Office 14.0000
Clerical and Sec Lab 14.9900	Secretarial Programs 07.0601
Clinical Lab 14.9700	Steno/Clerical 14.0700
Data Processing/Business 07.0301	Steno/Clerical Lab 14.9800
Distributive Education 04.0000	Supervisory and Administration 14.0800
Finance and Credit 04.0400	Typing and Related Occupation 14.0900
Finance and Financial Management Services 52.0800	
General Office Clerical 14.0300	
Information Communication 14.0400	

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EDUCATION AND TRAINING CLUSTER

13.0000 EDUCATION GENERAL

New teacher candidate must have at least one of the following:

- A Michigan teaching certification
- A Masters Degree in Early Childhood Education or related field

Instructors with the following CIPs may teach this program:

Education General 13.0000

Teacher Cadet 13.0000

PLACEMENT OF TEACHER CANDIDATES THAT DO NOT MEET THE ABOVE REQUIREMENTS MUST BE DISCUSSED WITH OCTE AND OEE

Completion of the South Carolina Model from The Center for Educator Recruitment, Retention, and Advancement (CERRA) for preparation of new teacher candidates is no longer an option.

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ENERGY CLUSTER

46.0303 LINEWORKER

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Appliance Repair 17.0200
Construction Trades 46.0000
Construction Trades, Other 46.9999
Electric Lineman 46.0303
Electric Power Generation Plants 17.3201
Electrical and Power Transmission Installation 46.0301
Electrical Appliance 17.0201

Electrical, Electronics and Comm Engineer 14.1001
Electrical/Electronics Equip. Installation and Repair 47.0101
Electricity 17.1002
Electro-Mechanical Tech 15.0403
Electro-Mechanical Tech 47.0199
Electronics Occupations 17.1500
Lineman 17.1402

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\(michigan.gov\)](https://www.michigan.gov/education/0,4570,7-293_14317_14318_14319_14320_14321_14322_14323_14324_14325_14326_14327_14328_14329_14330_14331_14332_14333_14334_14335_14336_14337_14338_14339_14340_14341_14342_14343_14344_14345_14346_14347_14348_14349_14350_14351_14352_14353_14354_14355_14356_14357_14358_14359_14360_14361_14362_14363_14364_14365_14366_14367_14368_14369_14370_14371_14372_14373_14374_14375_14376_14377_14378_14379_14380_14381_14382_14383_14384_14385_14386_14387_14388_14389_14390_14391_14392_14393_14394_14395_14396_14397_14398_14399_14400_14401_14402_14403_14404_14405_14406_14407_14408_14409_14410_14411_14412_14413_14414_14415_14416_14417_14418_14419_14420_14421_14422_14423_14424_14425_14426_14427_14428_14429_14430_14431_14432_14433_14434_14435_14436_14437_14438_14439_14440_14441_14442_14443_14444_14445_14446_14447_14448_14449_14450_14451_14452_14453_14454_14455_14456_14457_14458_14459_14460_14461_14462_14463_14464_14465_14466_14467_14468_14469_14470_14471_14472_14473_14474_14475_14476_14477_14478_14479_14480_14481_14482_14483_14484_14485_14486_14487_14488_14489_14490_14491_14492_14493_14494_14495_14496_14497_14498_14499_14500_14501_14502_14503_14504_14505_14506_14507_14508_14509_14510_14511_14512_14513_14514_14515_14516_14517_14518_14519_14520_14521_14522_14523_14524_14525_14526_14527_14528_14529_14530_14531_14532_14533_14534_14535_14536_14537_14538_14539_14540_14541_14542_14543_14544_14545_14546_14547_14548_14549_14550_14551_14552_14553_14554_14555_14556_14557_14558_14559_14560_14561_14562_14563_14564_14565_14566_14567_14568_14569_14570_14571_14572_14573_14574_14575_14576_14577_14578_14579_14580_14581_14582_14583_14584_14585_14586_14587_14588_14589_14590_14591_14592_14593_14594_14595_14596_14597_14598_14599_14600_14601_14602_14603_14604_14605_14606_14607_14608_14609_14610_14611_14612_14613_14614_14615_14616_14617_14618_14619_14620_14621_14622_14623_14624_14625_14626_14627_14628_14629_14630_14631_14632_14633_14634_14635_14636_14637_14638_14639_14640_14641_14642_14643_14644_14645_14646_14647_14648_14649_14650_14651_14652_14653_14654_14655_14656_14657_14658_14659_14660_14661_14662_14663_14664_14665_14666_14667_14668_14669_14670_14671_14672_14673_14674_14675_14676_14677_14678_14679_14680_14681_14682_14683_14684_14685_14686_14687_14688_14689_14690_14691_14692_14693_14694_14695_14696_14697_14698_14699_14700_14701_14702_14703_14704_14705_14706_14707_14708_14709_14710_14711_14712_14713_14714_14715_14716_14717_14718_14719_14720_14721_14722_14723_14724_14725_14726_14727_14728_14729_14730_14731_14732_14733_14734_14735_14736_14737_14738_14739_14740_14741_14742_14743_14744_14745_14746_14747_14748_14749_14750_14751_14752_14753_14754_14755_14756_14757_14758_14759_14760_14761_14762_14763_14764_14765_14766_14767_14768_14769_14770_14771_14772_14773_14774_14775_14776_14777_14778_14779_14780_14781_14782_14783_14784_14785_14786_14787_14788_14789_14790_14791_14792_14793_14794_14795_14796_14797_14798_14799_14800_14801_14802_14803_14804_14805_14806_14807_14808_14809_14810_14811_14812_14813_14814_14815_14816_14817_14818_14819_14820_14821_14822_14823_14824_14825_14826_14827_14828_14829_14830_14831_14832_14833_14834_14835_14836_14837_14838_14839_14840_14841_14842_14843_14844_14845_14846_14847_14848_14849_14850_14851_14852_14853_14854_14855_14856_14857_14858_14859_14860_14861_14862_14863_14864_14865_14866_14867_14868_14869_14870_14871_14872_14873_14874_14875_14876_14877_14878_14879_14880_14881_14882_14883_14884_14885_14886_14887_14888_14889_14890_14891_14892_14893_14894_14895_14896_14897_14898_14899_14900_14901_14902_14903_14904_14905_14906_14907_14908_14909_14910_14911_14912_14913_14914_14915_14916_14917_14918_14919_14920_14921_14922_14923_14924_14925_14926_14927_14928_14929_14930_14931_14932_14933_14934_14935_14936_14937_14938_14939_14940_14941_14942_14943_14944_14945_14946_14947_14948_14949_14950_14951_14952_14953_14954_14955_14956_14957_14958_14959_14960_14961_14962_14963_14964_14965_14966_14967_14968_14969_14970_14971_14972_14973_14974_14975_14976_14977_14978_14979_14980_14981_14982_14983_14984_14985_14986_14987_14988_14989_14990_14991_14992_14993_14994_14995_14996_14997_14998_14999_15000) 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for more information.

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COMPLETE LIST OF STATE-RECOGNIZED

SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

By Federal Career Cluster and Federal Classification of Instructional Program (CIP) Code

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

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ENERGY CLUSTER

46.0502 PLUMBING PIPEFITTER AND SPRINKLER FITTER

Instructors with recent and relevant experience within the following CIPs may teach this program.

Appliance Repair 17.0200

Construction Trades 46.0000

Construction Trades, Other 46.9999

Electric Lineman 46.0303

Electric Power Generation Plants 17.3201

Electrical and Power Transmission Installation 46.0301

Electrical Appliance 17.0301

Electrical, Electronics and Comm Engineer 14.1001

Electricity 17.1002

Electro-Mechanical Tech 15.0403

Electro-Mechanical Tech 47.0199

Electronics Occupations 17.1500

Heating, Air Conditioning, Ventilation and Refrigeration 47.0302

Lineman 17.1402

Plumbing and Pipefitting 17.1007

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FAMILY AND CONSUMER SCIENCES (non-wage earning) CLUSTER

19.0000 FAMILY AND CONSUMER SCIENCES – Not available for new CTE application

Instructors with recent and relevant experience within the following CIPs may teach this program.

Family and Consumer Sciences 19.0000
Consumer and Homemaking 09.0100
Consumer and Homemaking 20.0100
Custodial Services 20.0699
Custodial, Housekeeping and Home Svcs 19.0699

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SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

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FINANCE CLUSTER

52.0800 FINANCE AND FINANCIAL MANAGEMENT SERVICES

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100	Information Technology 11.1000
Business Administration Management and Operations 52.0299	Information Communication 14.0400
Business Machine Repair 47.0102	Insurance 52.1701
Business Services 07.0999	Marketing Education 08.0708
Business Services and Technology 52.9999	Marketing, Sales and Service 52.1999
Business, Management and Administration 52.9994	Marketing, Sales and Services 08.0700
Clerical & Sec Lab 14.9900	Office 14.0000
Clerical Lab 14.9700	Secretarial Programs 07.0601
Data Processing/Business 07.0301	Steno/Clerical 14.0700
Distributive Education 04.0000	Steno/Clerical Lab 14.9800
Finance and Credit 04.0400	Supervisory and Administration 14.0800
Finance and Financial Management and Services 52.0800	Typing and Related Occupation 14.0900
General Office Clerical 14.0300	

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Updated February 2023

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FINANCE CLUSTER

52.1701 INSURANCE

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100	Insurance 52.1701
Business Administration Management and Operations 52.0299	Marketing Education 08.0708
Business Machine Repair 47.0102	Marketing, Sales and Service 52.1999
Business Services 07.0999	Marketing, Sales and Services 08.0700
Business Services and Technology 52.9999	Office 14.0000
Business, Management and Administration 52.9994	Secretarial Programs 07.0601
Clerical & Sec Lab 14.9900	Steno/Clerical 14.0700
Clerical Lab 14.9700	Steno/Clerical Lab 14.9800
Data Processing/Business 07.0301	Supervisory and Administration 14.0800
Distributive Education 04.0000	Typing and Related Occupation 14.0900
Finance and Credit 04.0400	
Finance and Financial Management and Services 52.0800	
General Office Clerical 14.0300	
Information Technology 11.1000	
Information Communication 14.0400	

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GOVERNMENT AND PUBLIC ADMINISTRATION CLUSTER

28.0301 ARMY (JROTC)

Instructors must hold a U.S. Department of Defense (DoD) Qualification Memorandum (Credential).

Annual Authorization or CTE Certificate is not an option.

Any branch of military qualifies under JROTC CIP 28.0301.

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HEALTH SCIENCE CLUSTER

26.0102 BIOMEDICAL SCIENCES, GENERAL

State of Michigan license, if applicable required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Biotechnology 26.1201

Biotechnology Medical Services 26.0102

Cytology Technician 07.0201

Histology 07.0202

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HEALTH SCIENCE CLUSTER

51.0000 HEALTH SCIENCES/ALLIED HEALTH/HEALTH SCIENCES, GENERAL– State of Michigan license, if applicable, required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Therapeutic Services 51.0000
Health Sciences

TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Allied Health Technology 51.9999
Dental Hygienist 07.0102
Dental Lab Technician 07.0103
Dental Occupations 17.0100
General Health Occupations 07.9900
Health 07.000
Health Occupations Cluster 07.9802
Health Occupations Cluster 17.9900
Medical Assisting 17.0503
Medical Emergency Tech 07.0907

Nursing 07.0300
Nursing Aide 07.0303
Nursing Occupations 17.0600
Occupational Preparation 09.0200
Occupational Therapy 07.0401
Pharmacy Assistant 07.9803
Physical Therapy 07.0402
Practical Nursing 07.0302
Ward Clerk 07.9801

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HEALTH SCIENCE CLUSTER

51.0707 HEALTH INFORMATION/MEDICAL RECORDS TECHNOLOGY/TECHNICIAN

State of Michigan license, if applicable, required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Health Informatics 51.0707
Health Sciences

TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Therapeutic Services 51.0000

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-and-relevant-experience-requirements) for more information.

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COMPLETE LIST OF STATE-RECOGNIZED

SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

By Federal Career Cluster and Federal Classification of Instructional Program (CIP) Code

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

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HEALTH SCIENCE CLUSTER

51.1000 CLINICAL/MEDICAL LABORATORY SCIENCE/RESEARCH AND ALLIED PROFESSIONS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Diagnostic Services 51.1000

Health Sciences

TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Therapeutic Services 51.0000

Inhalation Therapy 07.0903

Medical Lab Assistant 07.0203

Medical Lab Technician 17.0300

Operation Room Technician 07.0305

Optical Mechanics 17.2101

Radiological Technician 07.0702

X-ray Technician 07.0501

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HOSPITALITY AND TOURISM CLUSTER

12.0500 COOKING AND RELATED CULINARY ARTS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Baker 17.2901
Cook/Chef 17.2900
Cooking and Related Culinary Arts 12.0500
Food Management 20.0401
Food Management 20.0499
Personal and Culinary Services 12.9999

TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OCTE PRE-PLACEMENT

Food Service 04.0700	Recreation 01.0602
Food Service Hospital 07.0908	Recreation and Tourism 04.1800
Hotel and Lodging 04.1100	Meat Cutter 17.2903
Quality Food Operations 17.2900	Waiter/Waitress 17.2904

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HOSPITALITY AND TOURISM CLUSTER

52.0901 HOSPITALITY ADMINISTRATION/MANAGEMENT, GENERAL

Instructors with recent and relevant experience within the following CIPs may teach this program.

Hotel and Lodging 04.1100	Tourism and Travel Services Management 52.0903
Recreation and Tourism 04.1800	Hotel/Motel Administration/Management 52.0904
Hospitality Administration/Management, General 52.0901	Resort Management 52.0906

TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE-OC TE PRE-PLACEMENT FOR A REVIEW OF EXPERIENCE AND MAY NEED TO ACQUIRE A CERTIFIED HOSPITALITY INSTRUCTOR CREDENTIAL.

Recreation 01.0602	Family and Consumer Science 19.0000
Cooking and Related Culinary Arts 12.0500	Business Administration Management and Operations 52.0299
Personal and Culinary Services 12.9999	Business, Management and Administration 52.9994
Quality Food Operations 17.2900	Marketing, Sales and Services 52.1999
Food Management 20.0401	Marketing, Sales and Services 08.0700
Food Management 20.0499	

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HUMAN SERVICES CLUSTER

12.0400 COSMETOLOGY

State of Michigan license and Instructor's license required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Cosmetology 12.0400

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See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/education/0,4570,7-293_14317_14318_14319_14320_14321_14322_14323_14324_14325_14326_14327_14328_14329_14330_14331_14332_14333_14334_14335_14336_14337_14338_14339_14340_14341_14342_14343_14344_14345_14346_14347_14348_14349_14350_14351_14352_14353_14354_14355_14356_14357_14358_14359_14360_14361_14362_14363_14364_14365_14366_14367_14368_14369_14370_14371_14372_14373_14374_14375_14376_14377_14378_14379_14380_14381_14382_14383_14384_14385_14386_14387_14388_14389_14390_14391_14392_14393_14394_14395_14396_14397_14398_14399_14400_14401_14402_14403_14404_14405_14406_14407_14408_14409_14410_14411_14412_14413_14414_14415_14416_14417_14418_14419_14420_14421_14422_14423_14424_14425_14426_14427_14428_14429_14430_14431_14432_14433_14434_14435_14436_14437_14438_14439_14440_14441_14442_14443_14444_14445_14446_14447_14448_14449_14450_14451_14452_14453_14454_14455_14456_14457_14458_14459_14460_14461_14462_14463_14464_14465_14466_14467_14468_14469_14470_14471_14472_14473_14474_14475_14476_14477_14478_14479_14480_14481_14482_14483_14484_14485_14486_14487_14488_14489_14490_14491_14492_14493_14494_14495_14496_14497_14498_14499_14500_14501_14502_14503_14504_14505_14506_14507_14508_14509_14510_14511_14512_14513_14514_14515_14516_14517_14518_14519_14520_14521_14522_14523_14524_14525_14526_14527_14528_14529_14530_14531_14532_14533_14534_14535_14536_14537_14538_14539_14540_14541_14542_14543_14544_14545_14546_14547_14548_14549_14550_14551_14552_14553_14554_14555_14556_14557_14558_14559_14560_14561_14562_14563_14564_14565_14566_14567_14568_14569_14570_14571_14572_14573_14574_14575_14576_14577_14578_14579_14580_14581_14582_14583_14584_14585_14586_14587_14588_14589_14590_14591_14592_14593_14594_14595_14596_14597_14598_14599_14600_14601_14602_14603_14604_14605_14606_14607_14608_14609_14610_14611_14612_14613_14614_14615_14616_14617_14618_14619_14620_14621_14622_14623_14624_14625_14626_14627_14628_14629_14630_14631_14632_14633_14634_14635_14636_14637_14638_14639_14640_14641_14642_14643_14644_14645_14646_14647_14648_14649_14650_14651_14652_14653_14654_14655_14656_14657_14658_14659_14660_14661_14662_14663_14664_14665_14666_14667_14668_14669_14670_14671_14672_14673_14674_14675_14676_14677_14678_14679_14680_14681_14682_14683_14684_14685_14686_14687_14688_14689_14690_14691_14692_14693_14694_14695_14696_14697_14698_14699_14700_14701_14702_14703_14704_14705_14706_14707_14708_14709_14710_14711_14712_14713_14714_14715_14716_14717_14718_14719_14720_14721_14722_14723_14724_14725_14726_14727_14728_14729_14730_14731_14732_14733_14734_14735_14736_14737_14738_14739_14740_14741_14742_14743_14744_14745_14746_14747_14748_14749_14750_14751_14752_14753_14754_14755_14756_14757_14758_14759_14760_14761_14762_14763_14764_14765_14766_14767_14768_14769_14770_14771_14772_14773_14774_14775_14776_14777_14778_14779_14780_14781_14782_14783_14784_14785_14786_14787_14788_14789_14790_14791_14792_14793_14794_14795_14796_14797_14798_14799_14800_14801_14802_14803_14804_14805_14806_14807_14808_14809_14810_14811_14812_14813_14814_14815_14816_14817_14818_14819_14820_14821_14822_14823_14824_14825_14826_14827_14828_14829_14830_14831_14832_14833_14834_14835_14836_14837_14838_14839_14840_14841_14842_14843_14844_14845_14846_14847_14848_14849_14850_14851_14852_14853_14854_14855_14856_14857_14858_14859_14860_14861_14862_14863_14864_14865_14866_14867_14868_14869_14870_14871_14872_14873_14874_14875_14876_14877_14878_14879_14880_14881_14882_14883_14884_14885_14886_14887_14888_14889_14890_14891_14892_14893_14894_14895_14896_14897_14898_14899_14900_14901_14902_14903_14904_14905_14906_14907_14908_14909_14910_14911_14912_14913_14914_14915_14916_14917_14918_14919_14920_14921_14922_14923_14924_14925_14926_14927_14928_14929_14930_14931_14932_14933_14934_14935_14936_14937_14938_14939_14940_14941_14942_14943_14944_14945_14946_14947_14948_14949_14950_14951_14952_14953_14954_14955_14956_14957_14958_14959_14960_14961_14962_14963_14964_14965_14966_14967_14968_14969_14970_14971_14972_14973_14974_14975_14976_14977_14978_14979_14980_14981_14982_14983_14984_14985_14986_14987_14988_14989_14990_14991_14992_14993_14994_14995_14996_14997_14998_14999_15000) 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HUMAN SERVICES CLUSTER

19.0700 CHILD AND CUSTODIAL CARE SERVICES – **Not available for new CTE application**

Instructors with recent and relevant experience within the following CIPs may teach this program.

- Child and Adult Care Services 20.0299
- Child and Custodial Care Services 19.0700
- Child Care and Guidance 20.0201

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INFORMATION TECHNOLOGY CLUSTER

11.0201 COMPUTER PROGRAMMING/PROGRAMMER

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100	Finance and Financial Management and Services 52.0800
Business Administration Management and Operations 52.0299	General Office Clerical 14.0300
Business Machine Repair 47.0102	Information Technology 11.1000
Business Services 07.0999	Information Communication 14.0400
Business Services and Technology 52.9999	Insurance 52.1701
Business, Management and Administration 52.9994	Marketing Education 08.0708
Clerical & Sec Lab 14.9900	Marketing, Sales and Service 52.1999
Clerical Lab 14.9700	Marketing, Sales and Services 08.0700
Computer and Info Sys Security/Info Assurance 11.1003	Office 14.0000
Computer Programming/Programmer 11.0201	Secretarial Programs 07.0601
Computer Sys Networking & Telecommunications 11.0901	Steno/Clerical 14.0700
Data Processing/Business 07.0301	Steno/Clerical Lab 14.9800
Digital/Multimedia & Info Resources Design 11.0801	Supervisory and Administration 14.0800
Distributive Education 04.0000	System Administration/Administrator 11.1001
Finance and Credit 04.0400	Typing and Related Occupation 14.0900

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INFORMATION TECHNOLOGY CLUSTER

11.0801 DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100
Business Administration Management and Operations 52.0299
Business Machine Repair 47.0102
Business Services 07.0999
Business Services and Technology 52.9999
Business, Management and Administration 52.9994
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
Computer and Info Sys Security/Info Assurance 11.1003
Computer Programming/Programmer 11.0201
Computer Sys Networking & Telecommunications 11.0901
Data Processing/Business 07.0301
Digital/Multimedia & Info Resources Design 11.0801
Distributive Education 04.0000
Finance and Credit 04.0400

Finance and Financial Management and Services 52.0800
General Office Clerical 14.0300
Information Technology 11.1000
Information Communication 14.0400
Insurance 52.1701
Marketing Education 08.0708
Marketing, Sales and Service 52.1999
Marketing, Sales and Services 08.0700
Office 14.0000
Secretarial Programs 07.0601
Steno/Clerical 14.0700
Steno/Clerical Lab 14.9800
Supervisory and Administration 14.0800
System Administration/Administrator 11.1001
Typing and Related Occupation 14.0900

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COMPLETE LIST OF STATE-RECOGNIZED

SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

By Federal Career Cluster and Federal Classification of Instructional Program (CIP) Code

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

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INFORMATION TECHNOLOGY CLUSTER

11.0901 COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100
Business Administration Management and Operations 52.0299
Business Machine Repair 47.0102
Business Services 07.0999
Business Services and Technology 52.9999
Business, Management and Administration 52.9994
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
Computer and Info Sys Security/Info Assurance 11.1003
Computer Programming/Programmer 11.0201
Computer Sys Networking & Telecommunications 11.0901
Data Processing/Business 07.0301
Digital/Multimedia & Info Resources Design 11.0801
Distributive Education 04.0000
Finance and Credit 04.0400

Finance and Financial Management and Services 52.0800
General Office Clerical 14.0300
Information Technology 11.1000
Information Communication 14.0400
Insurance 52.1701
Marketing Education 08.0708
Marketing, Sales and Service 52.1999
Marketing, Sales and Services 08.0700
Office 14.0000
Secretarial Programs 07.0601
Steno/Clerical 14.0700
Steno/Clerical Lab 14.9800
Supervisory and Administration 14.0800
System Administration/Administrator 11.1001
Typing and Related Occupation 14.0900

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INFORMATION TECHNOLOGY CLUSTER

11.1001 SYSTEMS ADMINISTRATION/ADMINISTRATOR

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100
Business Administration Management and Operations 52.0299
Business Machine Repair 47.0102
Business Services 07.0999
Business Services and Technology 52.9999
Business, Management and Administration 52.9994
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
Computer and Info Sys Security/Info Assurance 11.1003
Computer Programming/Programmer 11.0201
Computer Sys Networking & Telecommunications 11.0901
Data Processing/Business 07.0301
Digital/Multimedia & Info Resources Design 11.0801
Distributive Education 04.0000
Finance and Credit 04.0400

Finance and Financial Management and Services 52.0800
General Office Clerical 14.0300
Information Technology 11.1000
Information Communication 14.0400
Insurance 52.1701
Marketing Education 08.0708
Marketing, Sales and Service 52.1999
Marketing, Sales and Services 08.0700
Office 14.0000
Secretarial Programs 07.0601
Steno/Clerical 14.0700
Steno/Clerical Lab 14.9800
Supervisory and Administration 14.0800
System Administration/Administrator 11.1001
Typing and Related Occupation 14.0900

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INFORMATION TECHNOLOGY CLUSTER

11.1003 COMPUTER AND INFORMATION SYSTEMS SECURITY/INFORMATION ASSURANCE

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100
Business Administration Management and Operations 52.0299
Business Machine Repair 47.0102
Business Services 07.0999
Business Services and Technology 52.9999
Business, Management and Administration 52.9994
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
Computer and Info Sys Security/Info Assurance 11.1003
Computer Programming/Programmer 11.0201
Computer Sys Networking & Telecommunications 11.0901
Data Processing/Business 07.0301
Digital/Multimedia & Info Resources Design 11.0801
Distributive Education 04.0000
Finance and Credit 04.0400

Finance and Financial Management and Services 52.0800
General Office Clerical 14.0300
Information Technology 11.1000
Information Communication 14.0400
Insurance 52.1701
Marketing Education 08.0708
Marketing, Sales and Service 52.1999
Marketing, Sales and Services 08.0700
Office 14.0000
Secretarial Programs 07.0601
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Steno/Clerical Lab 14.9800
Supervisory and Administration 14.0800
System Administration/Administrator 11.1001
Typing and Related Occupation 14.0900

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LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER

43.0100 PUBLIC SAFETY/PROTECTIVE SERVICES

Instructors with recent and relevant experience within the following CIPs may teach this program.

Fireman 17.2801

Law Enforcement Training 54.0107

Public Safety/Protective Services 43.0100

Public Service Occupation 17.2800

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-and-relevant-experience-requirements) for more information.

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MANUFACTURING CLUSTER

47.0101 ELECTRICAL/ELECTRONICS EQUIPMENT INSTALLATION AND REPAIR

State of Michigan license, if applicable, required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Appliance Repair 17.0200
Electric Power Generation Plants 17.3201
Electrical Appliances 17.0201
Electrical, Electronics and Comm Engineer 14.1001
Electrical/Electronics Equipment Installation and Repair 47.0101
Electricity 17.1002
Electro-Mechanical Tech 15.0403
Electro-Mechanical Tech 47.0199
Electronics Occupations 17.1500
Lineman 17.1402
Watch Repair 47.0408
Watchmaking and Repair 17.2102

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-and-relevant-experience-requirements) for more information.

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MANUFACTURING CLUSTER

48.0501 MACHINE TOOL OPERATION/MACHINE SHOP

Instructors with recent and relevant experience within the following CIPs may teach this program.

Drafting and Design Technology/Architecture 15.1301
Engineering Technology 15.0000
Foundry 48.5020
Machine Shop 17.2302
Machine Shop 17.2303
Machine Tool Operation/Machine Shop 48.0501
Machine Tool Technology/Machinist 48.0501
Manufacturing Cluster 48.0599
Manufacturing Technology 48.9999
Materials Support 14.0500

Mechanical Drafting 15.1306
Mechatronics 14.4201
Metal Patternmaking 17.2309
Metal Trades 48.0506
Metal Trades/Combined 17.2304
Metallurgy 17.2400
Metalworking 17.2300
Precision Production Trades General 48.0000
Sheet Metal 17.2305
Tool and Die Making 17.2307

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MANUFACTURING CLUSTER

48.0508 Welding, Brazing and Soldering

Instructors with recent and relevant experience within the following CIPs may teach this program.

Welding, Brazing and Soldering 48.0508

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MANUFACTURING CLUSTER

48.0701 WOODWORKING GENERAL

Instructors with recent and relevant experience within the following CIPs may teach this program.

Carpentry 17.1001
Construction and Maintenance 17.1000
Construction Trades 46.0000
Construction Trades, Other 46.9999
Millwork and Cabinetmaking 17.3601
Woodworking General 48.0701

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MARKETING CLUSTER

52.1999 SPECIALIZED MERCHANDISING, SALES, AND MARKETING OPERATIONS, OTHER

Instructors with recent and relevant experience within the following CIPs may teach this program.

Accounting and Computing 14.0100
Advertising Services 04.0100
Business Administration Management and Operations 52.0299
Business Machine Repair 47.0102
Business Services 07.0999
Business Services and Technology 52.9999
Business, Management and Administration 52.9994
Clerical and Sec Lab 14.9900
Clerical Lab 14.9700
Data Processing/Business 07.0301
Distributive Education 04.0000
Finance and Credit 04.0400
Finance and Financial Management Services 52.0800
Food Distribution 04.0600
General Merchandise 04.0800

General Office Clerical 14.0300
Information Communication 14.0400
Information Technology 11.1000
Insurance 52.1701
Marketing Education 08.0708
Marketing, Sales and Services 52.1999
Marketing, Sales and Services 08.0700
Office 14.0000
Secretarial Programs 07.0601
Steno/Clerical 14.0700
Steno/Clerical Lab 14.9800
Stock Clerk 14.0504
Supervisory and Administration 14.0800
Typing and Related Occupation 14.0900

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER

14.4201 MECHATRONICS

Instructors with recent and relevant experience within the following CIPs may teach this program.

Architectural Drafting CAD 15.1303	Engineering Technology 15.0000
Architectural Drafting 17.1308	Industrial Production 15.0612
Drafting and Design Technology/Architectural 15.1301	Machine Shop 17.2302
Drafting 48.0101	Machine Shop 17.2303
Electrical/Electronics Equipment Installation and Repair General 47.0101	Machine Tool Technology/Machinist 48.0501
Electrical/Electronics Maintenance and Repair Technology, Other 47.0199	Manufacturing Cluster 48.0599
Electro-Mechanical Technology 15.0403	Mechanical Drafting 15.1306
	Mechatronics 14.4201

TEACHERS CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID STANDARD/PROFESSIONAL/CONTINUING CERTIFICATE WITH IX, TX, OR TE

Blueprint Reader 17.0500	Electronics 17.1002
Electrical and Power Transmission Installation 46.0301	Surveying Engineer 14.3801
Electrical, Electronics, and Comm Engineer 14.1001	

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER

15.0000 ENGINEERING TECHNOLOGY

Instructors with recent and relevant experience within the following CIPs may teach this program.

Architectural Drafting CAD 15.1303	Engineering Technology 15.0000
Architectural Drafting 17.1308	Machine Shop 17.2302
Drafting and Design Technology/Architectural 15.1301	Machine Shop 17.2303
Drafting 48.0101	Machine Tool Technology/Machinist 48.0501
Electrical and Power Transmission Installation 46.0301	Mechanical Drafting 15.1306
Electrical/Electronics Equipment Installation and Repair General 47.0101	Mechatronics 14.4201
Electrical/Electronics Maintenance and Repair Technology, Other 47.0199	Surveying Engineer 14.3801

TEACHERS CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID STANDARD/PROFESSIONAL/CONTINUING CERTIFICATE WITH IX, TX, OR TE

Blueprint Reader 17.0500	Electronics 17.1002
Electrical, Electronics, and Comm Engineer 14.1001	Industrial Production 15.0612

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER

15.1306 MECHANICAL DRAFTING

Instructors with recent and relevant experience within the following CIPs may teach this program.

Architectural Drafting CAD 15.1303
Architectural Drafting 17.1308
Drafting 48.0101
Drafting and Design Technology 15.1301
Engineering Technology 15.0000
Machine Shop 17.2302

Machine Shop 17.2303
Machine Tool Technology/Machinist 48.0501
Manufacturing Cluster 48.0599
Mechanical Drafting 15.1306
Mechatronics 14.4201

TEACHERS CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID STANDARD/PROFESSIONAL/CONTINUING CERTIFICATE WITH IX, TX, OR TE

Blueprint Reader 17.0500
Electrical and Power Transmission Installation 46.0301
Electrical, Electronics, and Comm Engineer 14.1001
Electrical/Electronics Equipment Installation and Repair
General 47.0101

Electrical/Electronics Maintenance and Repair Technology
Other 47.0199
Electro-Mechanical Technology 15.0403
Electronics 17.1002
Industrial Production 15.0612
Surveying Engineer 14.3801

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-and-relevant-experience-requirements) for more information.

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0399 HEAVY INDUSTRIAL EQUIPMENT MAINTENANCE TECHNOLOGIES

State of Michigan license, if applicable required to be up to date and on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Heavy Industrial Equipment Maintenance Technologies 47.0399
Heavy Equipment 17.1003
Hydraulics and Pneumatics 47.0401
Industrial 17.1401
Industrial Electronics 17.1502
Industrial Equipment Repair 47.0301
Industrial Production Technologies 15.0699
Industrial Production Technologies/Technician 15.0612
Transportation Services and Technology 47.9999

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-and-relevant-experience-requirements) for more information.

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0603 COLLISION REPAIR TECHNICIAN

Instructor must hold Automotive Service Excellence (ASE) certification in the areas they teach.

Note: ASE was formerly NATEF.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Auto Body Repair 47.0683

Body and Fender 17.0301

Collision Repair Technician (ASE/NATEF Certified) 47.0603

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](#) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](#) for more information.

1. CTE certification or Annual Career Authorization is required for all state-approved CTE programs.
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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0604 AUTOMOBILE TECHNICIAN

Instructor must hold Automotive Service Excellence (ASE) certification in the areas they teach.

Note: ASE was formerly NATEF

Instructors with recent and relevant experience within the following CIPs may teach this program.

Automobile Technician 47.0604

Auto Mechanics 47.0684

Automotive 04.0300

Mechanics 17.0302

Mechanics Cluster 47.0699

Transportation Services and Technology 47.9999

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-relevant-experience-requirements) for more information.

1. CTE certification or Annual Career Authorization is required for all state-approved CTE programs.
2. If instruction of a CTE program is provided by a local business or postsecondary institution, on school property, an Annual Career Authorization is required for that instructor.
3. If instruction of a CTE program is provided at the postsecondary institution no Annual Career Authorization is required.

COMPLETE LIST OF STATE-RECOGNIZED

SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

By Federal Career Cluster and Federal Classification of Instructional Program (CIP) Code

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0606 SMALL ENGINE AND RELATED EQUIPMENT REPAIR

Instructors with recent and relevant experience within the following CIPs may teach this program.

Marine Maintenance 47.0616

Mechanics 17.0302

Mechanics Cluster 47.0699

Small Engine and Related Equipment Repair 47.0606

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0607 AIRFRAME TECHNOLOGY

FAA License must be on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Aircraft Maintenance 17.0401

Aircraft Mechanics 47.0602

Airframe Technology 47.0607

Transportation Services and Technology 47.9999

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0608 POWER PLANT TECHNOLOGY (AIRCRAFT)

FAA License must be on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Aircraft Maintenance 17.0401

Aircraft Mechanics 47.0602

Aircraft Operations 17.0402

Power Plant Technology (Aircraft) 47.0608

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/cte-recent-and-relevant-experience-requirements) for more information.

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0609 AVIONICS MAINTENANCE TECHNOLOGY

FAA License must be on file.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Avionics Maintenance Technology 47.0609

Aviation Operations 17.0400

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/education/0,4570,7-293_14317_14318_14319_14320_14321_14322_14323_14324_14325_14326_14327_14328_14329_14330_14331_14332_14333_14334_14335_14336_14337_14338_14339_14340_14341_14342_14343_14344_14345_14346_14347_14348_14349_14350_14351_14352_14353_14354_14355_14356_14357_14358_14359_14360_14361_14362_14363_14364_14365_14366_14367_14368_14369_14370_14371_14372_14373_14374_14375_14376_14377_14378_14379_14380_14381_14382_14383_14384_14385_14386_14387_14388_14389_14390_14391_14392_14393_14394_14395_14396_14397_14398_14399_14400_14401_14402_14403_14404_14405_14406_14407_14408_14409_14410_14411_14412_14413_14414_14415_14416_14417_14418_14419_14420_14421_14422_14423_14424_14425_14426_14427_14428_14429_14430_14431_14432_14433_14434_14435_14436_14437_14438_14439_14440_14441_14442_14443_14444_14445_14446_14447_14448_14449_14450_14451_14452_14453_14454_14455_14456_14457_14458_14459_14460_14461_14462_14463_14464_14465_14466_14467_14468_14469_14470_14471_14472_14473_14474_14475_14476_14477_14478_14479_14480_14481_14482_14483_14484_14485_14486_14487_14488_14489_14490_14491_14492_14493_14494_14495_14496_14497_14498_14499_14500_14501_14502_14503_14504_14505_14506_14507_14508_14509_14510_14511_14512_14513_14514_14515_14516_14517_14518_14519_14520_14521_14522_14523_14524_14525_14526_14527_14528_14529_14530_14531_14532_14533_14534_14535_14536_14537_14538_14539_14540_14541_14542_14543_14544_14545_14546_14547_14548_14549_14550_14551_14552_14553_14554_14555_14556_14557_14558_14559_14560_14561_14562_14563_14564_14565_14566_14567_14568_14569_14570_14571_14572_14573_14574_14575_14576_14577_14578_14579_14580_14581_14582_14583_14584_14585_14586_14587_14588_14589_14590_14591_14592_14593_14594_14595_14596_14597_14598_14599_14600_14601_14602_14603_14604_14605_14606_14607_14608_14609_14610_14611_14612_14613_14614_14615_14616_14617_14618_14619_14620_14621_14622_14623_14624_14625_14626_14627_14628_14629_14630_14631_14632_14633_14634_14635_14636_14637_14638_14639_14640_14641_14642_14643_14644_14645_14646_14647_14648_14649_14650_14651_14652_14653_14654_14655_14656_14657_14658_14659_14660_14661_14662_14663_14664_14665_14666_14667_14668_14669_14670_14671_14672_14673_14674_14675_14676_14677_14678_14679_14680_14681_14682_14683_14684_14685_14686_14687_14688_14689_14690_14691_14692_14693_14694_14695_14696_14697_14698_14699_14700_14701_14702_14703_14704_14705_14706_14707_14708_14709_14710_14711_14712_14713_14714_14715_14716_14717_14718_14719_14720_14721_14722_14723_14724_14725_14726_14727_14728_14729_14730_14731_14732_14733_14734_14735_14736_14737_14738_14739_14740_14741_14742_14743_14744_14745_14746_14747_14748_14749_14750_14751_14752_14753_14754_14755_14756_14757_14758_14759_14760_14761_14762_14763_14764_14765_14766_14767_14768_14769_14770_14771_14772_14773_14774_14775_14776_14777_14778_14779_14780_14781_14782_14783_14784_14785_14786_14787_14788_14789_14790_14791_14792_14793_14794_14795_14796_14797_14798_14799_14800_14801_14802_14803_14804_14805_14806_14807_14808_14809_14810_14811_14812_14813_14814_14815_14816_14817_14818_14819_14820_14821_14822_14823_14824_14825_14826_14827_14828_14829_14830_14831_14832_14833_14834_14835_14836_14837_14838_14839_14840_14841_14842_14843_14844_14845_14846_14847_14848_14849_14850_14851_14852_14853_14854_14855_14856_14857_14858_14859_14860_14861_14862_14863_14864_14865_14866_14867_14868_14869_14870_14871_14872_14873_14874_14875_14876_14877_14878_14879_14880_14881_14882_14883_14884_14885_14886_14887_14888_14889_14890_14891_14892_14893_14894_14895_14896_14897_14898_14899_14900_14901_14902_14903_14904_14905_14906_14907_14908_14909_14910_14911_14912_14913_14914_14915_14916_14917_14918_14919_14920_14921_14922_14923_14924_14925_14926_14927_14928_14929_14930_14931_14932_14933_14934_14935_14936_14937_14938_14939_14940_14941_14942_14943_14944_14945_14946_14947_14948_14949_14950_14951_14952_14953_14954_14955_14956_14957_14958_14959_14960_14961_14962_14963_14964_14965_14966_14967_14968_14969_14970_14971_14972_14973_14974_14975_14976_14977_14978_14979_14980_14981_14982_14983_14984_14985_14986_14987_14988_14989_14990_14991_14992_14993_14994_14995_14996_14997_14998_14999_15000) 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47.0613 MEDIUM/HEAVY TRUCK TECHNICIAN

Instructor must hold Automotive Service Excellence (ASE) certification in the areas they teach.

Note: ASE was formerly NATEF.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Diesel Mechanic 17.1200

Medium/Heavy Truck Tech 47.0605

Medium/Heavy Truck Technician 47.0613

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization 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for more information.

1. CTE certification or Annual Career Authorization is required for all state-approved CTE programs.
2. If instruction of a CTE program is provided by a local business or postsecondary institution, on school property, an Annual Career Authorization is required for that instructor.
3. If instruction of a CTE program is provided at the postsecondary institution no Annual Career Authorization is required.

COMPLETE LIST OF STATE-RECOGNIZED

SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES

By Federal Career Cluster and Federal Classification of Instructional Program (CIP) Code

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

47.0616 MARINE MAINTENANCE

Not available for new CTE application.

Instructors with recent and relevant experience within the following CIPs may teach this program.

Marine Maintenance 47.0616

Marine Mechanics 17.2200

Seamanship 17.0801

Ship and Boat/Operation and Maintenance 17.0802

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

49.0101 AERONAUTICS/AVIATION/AEROSPACE SCIENCE AND TECHNOLOGY, GENERAL (Commonly referred to as General Aviation-Drones)

Highly Recommended: Part 107-Remote Pilot Certificate

Per FAA requirement, the instructor must have the Part 107-Remote Pilot Certificate for outdoor flight instruction.

Instructors with recent and relevant experience within the following CIPs may teach this program.

- Aeronautics/Aviation Aerospace Science and Technology 49.0101
- Airline/Commercial/Professional Pilot and Flight Crew 49.0102
- Aircraft Maintenance 17.0401
- Aircraft Mechanics 47.0602
- Aircraft Operations 17.0402

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SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES
By Federal Career Cluster and Federal Classification of Instructional Program (CIP)
Code**

Updated May 2023

Current and Historical CIP Area Endorsements that Can Teach

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TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

**49.0102 AIRLINE/COMMERCIAL/PROFESSIONAL PILOT AND FLIGHT CREW
(Commonly referred to as Private Pilot)**

Required: Current FAA Flight Instructor Certification or Current FAA Basic Ground Instructor Certification

Instructors with recent and relevant experience within the following CIPs may teach this program.

Airline/Commercial/Professional Pilot and Flight Crew 49.0102
Aeronautics/Aviation Aerospace Science and Technology, General 49.0101
Aircraft Maintenance 17.0401
Aircraft Mechanics 47.0602
Aircraft Operations 17.0402

If an appropriately certified teacher is not available, an Annual Career Authorization may be appropriate. Experience in CIP area must be within the 10 years prior to the date of the application. See [Annual Career Authorization \(michigan.gov\)](https://www.michigan.gov/annual-career-authorization) and [CTE Recent and Relevant Experience Requirements \(michigan.gov\)](https://www.michigan.gov/recent-relevant-experience-requirements) for more information.

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