

COMPLETE LIST OF STATE-RECOGNIZED
SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES
By Federal Career Cluster and Federal CIP Code

Updated July 2016

Current and Historical CIP Area Endorsements that Can Teach

*** Notates an expanded certification and requires a statement of assurances**

If teacher only has IOC/OEC, they cannot be placed in any classroom other than a Michigan State Approved CTE program.

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

01.0000 AGRICULTURE, AGRICULTURAL OPERATIONS AND RELATED SCIENCES

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Agriculture Science and Natural Resources 02.9999

Agriculture, Agricultural Operations and Related Sciences 01.0000

**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 Agriculture Production 01.0301

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

01.0101 AGRICULTURE, FOOD & NATURAL RESOURCES – Not available for NEW CTE application

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Agriculture, Agricultural Operations and Related Sciences 01.0000

Agriculture, Food & Natural Resources 01.0101

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
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Agricultural Structure/Conveniences 01.0302

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

01.0601 APPLIED HORTICULTURE AND HORTICULTURAL OPERATIONS

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Agriculture Science and Natural Resources 02.9999
Agriculture, Agricultural Operations and Related Sciences 01.0000
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 & NATURAL RESOURCES CLUSTER

01.0903 ANIMAL HEALTH & VETERINARY SCIENCE

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Agriculture Science and Natural Resources 02.9999

Agriculture, Agricultural Operations and Related Sciences 01.0000

Animal Health & Veterinary Science 01.0903

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

03.0000 NATURAL RESOURCES AND CONSERVATION

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Agricultural Resources 01.0600

Agriculture Science and Natural Resources 02.9999

Agriculture, Agricultural Operations and Related
Sciences 01.0000

Environmental Health 07.0700

Forestry 01.0700

Forests 01.0107

Natural Resources and Conservation 03.0000

Soil Management 01.0303

Wildlife 01.0604

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Fish Farm/Hatcheries 01.0607

Water 01.0605

Water Management 01.0304

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ARCHITECTURE & CONSTRUCTION CLUSTER

26.1201 BIOTECHNOLOGY

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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Agriculture, Agricultural Operations and Related Sciences 01.0000

Biotechnology 26.1201

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ARCHITECTURE & CONSTRUCTION CLUSTER

15.1301 DRAFTING & DESIGN TECHNOLOGY/ARCHITECTURAL

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Architectural Drafting 17.1398

Blueprint Reader 17.0500

Drafting & Design Technology/Architectural 15.1301

Drafting 48.0101

* Engineering Technology 15.0000

Mechanical Drafting 15.1306

* Mechatronics 14.4201

**TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/
CONTINUING CERTIFICATE WITH IX, TX, or TE ENDORSEMENT**

* Electrical and Power Transmission Installation 46.0301

* Electrical, Electronics, & 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

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ARCHITECTURE & CONSTRUCTION CLUSTER

19.0605 HOME FURNISHINGS EQUIPMENT INSTALLERS AND CONSULTANTS

Not available for NEW CTE application

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Home Furnishings 20.0501

Home Furnishings Equipment Installers and Consultants 19.0605

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ARCHITECTURE & CONSTRUCTION CLUSTER

46.0000 CONSTRUCTION TRADES

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

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Blueprint Reader 17.0500

Building & Home Maintenance & Services 20.0601

Building Maintenance 46.0401

Carpentry 17.1001

Construction and Maintenance 17.1000

Construction Trades 46.0000

Construction Trades 46.9901

Dry Wall Installation 17.1008

Foremanship 17.1700

Hardware-Building Related 04.0900

Masonry 17.1004

Roofing 17.1010

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ARCHITECTURE & 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 the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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 & CONSTRUCTION CLUSTER

46.0503 PLUMBING TECHNOLOGY

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

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Plumbing and Pipefitting 17.1007

Plumbing Technology 46.0503

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ARCHITECTURE & CONSTRUCTION CLUSTER

47.0201 HEATING, AIR CONDITIONING, VENTILATION AND REFRIGERATION

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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 & COMMUNICATIONS CLUSTER

10.0202 RADIO & TV BROADCASTING TECHNOLOGY

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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 & COMMUNICATIONS CLUSTER

10.0301 GRAPHICS AND PRINTING TECHNOLOGY AND COMMUNICATIONS

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Graphics and Printing 48.0201

Graphics and Printing Technology and Communications
10.0301

Graphic Arts Occupations 17.1900

Commercial Art Occupation 17.0700

Commercial Photo Occupations 17.0900

Composition Make-Up and Type 17.1901

Glazing 17.1009

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 & COMMUNICATIONS CLUSTER

50.0101 VISUAL & PERFORMING ARTS

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Communications 17.1501

Drama/Theater Arts & Stage Craft 50.0599

Visual & Performing Arts 50.0101

Visual Comm. Technology 50.0401

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ARTS A/V TECHNOLOGY & COMMUNICATIONS CLUSTER

19.0906 FASHION DESIGN - Not available for NEW CTE application

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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

Leatherworking 17.3400
Painting and Decorating 17.1005
Shoe Manufacturing 17.3401
Tailoring 17.3300
Textile Production 17.3302
Upholstering 17.3500
Window Display 17.0702

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BUSINESS, MANAGEMENT & ADMINISTRATION CLUSTER

52.0299 BUSINESS ADMINISTRATION MANAGEMENT AND OPERATIONS

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Business Administration Management and Operations 52.0299
Business Machine Repair 47.0102
Business Services 07.0999
Business Services and Technology 52.9999
Business, Management & Administration 52.9994
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
Data Processing/Business 07.0301
General Office Clerical 14.0300

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
Typing and Related Occupation 14.0900

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SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES
By Federal Career Cluster and Federal CIP Code

Updated July 2016

Current and Historical CIP Area Endorsements that Can Teach

*** Notates an expanded certification and requires a statement of assurances**

If teacher only has IOC/OEC, they cannot be placed in any classroom other than a Michigan State Approved CTE program.

If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB

EDUCATION & TRAINING CLUSTER

13.0000 EDUCATION GENERAL

**New teacher candidate must be a master teacher and
hold a Continuing/Professional/Provisional secondary or elementary certificate**

Instructors with the following CIPs may teach this program:

Education General 13.0000

Teacher Cadet 13.0000

**PLACEMENT OF TEACHER CANDIDATES WHO DO NOT MEET THE ABOVE REQUIREMENTS
MUST BE DISCUSSED WITH OCTE AND OPPTS**

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB

ENERGY CLUSTER

46.0303 Electric Lineman

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Appliance Repair 17.0200

Construction Trades 46.0000

Construction Trades 46.9901

Electric Lineman

Electric Power Generation Plants 17.3201

Electrical and Power Transmission Installation 46.0301

Electrical Appliances 17.0201

Electrical, Electronics & 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

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB

FINANCE CLUSTER

52.0800 FINANCE AND FINANCIAL MANAGEMENT SERVICES

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Accounting & Computing 14.0100

Business Admin Management & Operations 52.0299

Business, Management & Administration 52.9994

Business Services and Technology 52.9999

Data Processing/Business 07.0301

Finance and Credit 4.0400

Finance and Financial Management Services 52.0800

Marketing, Sales and Service 52.1999

Marketing Education 08.0708

Marketing, Sales and Services 08.0700

TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH BUSINESS OR ACCOUNTING ENDORSEMENT

Business Machine Repair 47.0102

Business Services 07.0999

Clerical & Sec Lab 14.9900

Clerical Lab 14.9700

General Office Clerical 14.0300

Office 14.0000

Secretarial Programs 07.0601

Steno/Clerical 14.0700

Steno/Clerical Lab 14.9800

Supervisory & Admin 14.0800

Typing & Related Occupation 14.0900

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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By Federal Career Cluster and Federal CIP Code

Updated July 2106

Current and Historical CIP Area Endorsements that Can Teach

*** Notates an expanded certification and requires a statement of assurances**

*If teacher only has IOC/OEC, they cannot be placed in any classroom other than a Michigan State Approved CTE program.
If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB*

FINANCE CLUSTER

52.1701 INSURANCE

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Accounting & Computing 14.0100

Business Admin Management & Operations 52.0299

Business, Management & Administration 52.9994

Business Services and Technology 52.9999

Data Processing/Business 07.0301

Finance and Credit 4.0400

Finance and Financial Management Services 52.0800

Insurance 52.1701

Marketing, Sales and Service 52.1999

Marketing Education 08.0708

Marketing, Sales and Services 08.0700

**TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/
CONTINUING CERTIFICATE WITH BUSINESS OR ACCOUNTING ENDORSEMENT**

Business Machine Repair 47.0102

Business Services 07.0999

Clerical & Sec Lab 14.9900

Clerical Lab 14.9700

General Office Clerical 14.0300

Office 14.0000

Secretarial Programs 07.0601

Steno/Clerical 14.0700

Steno/Clerical Lab 14.9800

Supervisory & Admin 14.0800

Typing & Related Occupation 14.0900

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

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4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB

GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER

28.0301 ARMY (JROTC)

Instructors must hold a Department of Defense Credential.

1. IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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HEALTH SCIENCE CLUSTER

26.0102 BIOTECHNOLOGY MEDICAL SERVICES

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

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Biotechnology 26.1201

Biotechnology Medical Services 26.0102

Cytology Technician 07.0201

Histology 07.0202

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

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HEALTH SCIENCE CLUSTER

51.0000 THERAPEUTIC SERVICES - State of Michigan license, if applicable, required to be up to date and on file.

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

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HEALTH SCIENCE CLUSTER

51.0707 HEALTH INFORMATICS

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

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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 appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

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HEALTH SCIENCE CLUSTER

51.1000 DIAGNOSTIC SERVICES

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

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HOSPITALITY & TOURISM CLUSTER

12.0500 COOKING AND RELATED CULINARY ARTS

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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

Food Service Hospital 07.0908

Hotel and Lodging 04.1100

Quantity Food Operations 17.2900

Recreation 01.0602

Recreation and Tourism 04.1800

Meat Cutter 17.2903

Waiter/Waitress 17.2904

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

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HUMAN SERVICES CLUSTER

12.0400 COSMETOLOGY

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

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Barbering 17.2601

Cosmetology 12.0400

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

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HUMAN SERVICES CLUSTER

19.0700 CHILD AND CUSTODIAL CARE SERVICES - Not available for NEW CTE application.

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Child and Adult Care Services 20.0299

Child and Custodial Care Services 19.0700

Child Care and Guidance 20.0201

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

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INFORMATION TECHNOLOGY CLUSTER

11.0201 COMPUTER PROGRAMMING/PROGRAMMER

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Business Admin Management & Operations 52.0299
Business, Management & Administration 52.9994
Business Services and Technology 52.9999
Computer Programming/Programmer 11.0201
Data Processing/Business 07.0301

Information Communication 14.0400
Information Technology 11.1000
Marketing, Sales and Service 52.1999
Marketing Education 08.0708
Marketing, Sales and Services 08.0700

**TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/
PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT**

Business Machine Repair 47.0102
Business Services 07.0999
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
General Office Clerical 14.0300
Office 14.0000

Secretarial Programs 07.0601
Steno/Clerical 14.0700
Steno/Clerical Lab 14.9800
Supervisory & Admin 14.0800
Typing & Related Occupation 14.0900

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

- IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
 3. Contracted programs must apply for Annual Occupational Authorization.
 4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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INFORMATION TECHNOLOGY CLUSTER

11.0801 DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Business Admin Management & Operations 52.0299

Business, Management & Administration 52.9994

Business Services and Technology 52.9999

Data Processing/Business 07.0301

Digital/Multimedia and Information Resources Design 11.0801

Information Communication 14.0400

Information Technology 11.1000

Marketing, Sales and Service 52.1999

Marketing Education 08.0708

Marketing, Sales and Services 08.0700

**TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/
PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT**

Business Machine Repair 47.0102

Business Services 07.0999

Clerical & Sec Lab 14.9900

Clerical Lab 14.9700

General Office Clerical 14.0300

Office 14.0000

Secretarial Programs 07.0601

Steno/Clerical 14.0700

Steno/Clerical Lab 14.9800

Supervisory & Admin 14.0800

Typing & Related Occupation 14.0900

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

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INFORMATION TECHNOLOGY CLUSTER

11.0901 COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Business Admin Management & Operations 52.0299

Business Services and Technology 52.9999

Business, Management & Administration 52.9994

Computer Systems Networking and Telecommunications 11.0901

Data Processing/Business 07.0301

Information Communication 14.0400

Information Technology 11.1000

Marketing Education 08.0708

Marketing, Sales and Service 52.1999

Marketing, Sales and Services 08.0700

**TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/
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Business Machine Repair 47.0102

Business Services 07.0999

Clerical & Sec Lab 14.9900

Clerical Lab 14.9700

General Office Clerical 14.0300

Office 14.0000

Secretarial Programs 07.0601

Steno/Clerical 14.0700

Steno/Clerical Lab 14.9800

Supervisory & Admin 14.0800

Typing & Related Occupation 14.0900

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

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INFORMATION TECHNOLOGY CLUSTER

11.1001 SYSTEMS ADMINISTRATOR/ADMINISTRATOR

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Business Admin Management & Operations 52.0299
Business Services and Technology 52.9999
Business, Management & Administration 52.9994
Data Processing/Business 07.0301
Information Communication 14.0400

Information Technology 11.1000
Marketing Education 08.0708
Marketing, Sales and Service 52.1999
Marketing, Sales and Services 08.0700
Systems Administrator/Administrator 11.1001

**TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/
PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT**

Business Machine Repair 47.0102
Business Services 07.0999
Clerical & Sec Lab 14.9900
Clerical Lab 14.9700
General Office Clerical 14.0300
Office 14.0000

Secretarial Programs 07.0601
Steno/Clerical 14.0700
Steno/Clerical Lab 14.9800
Supervisory & Admin 14.0800
Typing & Related Occupation 14.0900

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES
By Federal Career Cluster and Federal CIP Code

Updated July 2016

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TRANSPORTATION, DISTRIBUTION & 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 the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

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 & Technology 47.9999

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0603 COLLISION REPAIR TECHNICIAN (NATEF CERTIFIED)

NATEF certification required to be up to date and on file - Instructor must hold ASE certification

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Auto Body Repair 47.0683

Body and Fender 17.0301

Collision Repair Technician (NATEF Certified) 47.0603

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0607 AIRFRAME TECHNOLOGY

FAA License must be on file

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Aircraft Maintenance 17.0401

Aircraft Mechanics 47.0602

Airframe Technology 47.0607

Transportation Services & Technology 47.9999

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0608 POWER PLANT TECHNOLOGY (AIRCRAFT)

FAA License must be on file

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Aircraft Maintenance 17.0401

Aircraft Mechanics 47.0602

Aircraft Operations 17.0402

Power Plant Technology (Aircraft) 47.0608

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0609 AVIONICS MAINTENANCE TECHNOLOGY

FAA License must be on file

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Avionics Maintenance Technology 47.0609

Aviation Operations 17.0400

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.

3. Contracted programs must apply for Annual Occupational Authorization.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0613 MEDIUM/HEAVY TRUCK TECHNICIAN (NATEF CERTIFIED)

NATEF certification required to be up to date and on file - Instructor must hold ASE certification

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Diesel Mechanic 17.1200

Medium/Heavy Truck Tech 47.0605

Medium/Heavy Truck Technician (NATEF Certified) 47.0613

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

49.0101 AERONAUTICS/AVIATION AEROSPACE SCIENCE & TECHNOLOGY

FAA License must be on file

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Aeronautics/Aviation Aerospace Science & Technology 49.0101

Aircraft Maintenance 17.0401

Aircraft Mechanics 47.0602

Aircraft Operations 17.0402

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

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FAMILY AND CONSUMER SCIENCES (non-wage earning) CLUSTER

19.0000 FAMILY AND CONSUMER SCIENCES

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:

Family and Consumer Sciences 19.0000

Consumer and Homemaking 09.0100

Consumer and Homemaking 20.0100

Custodial Services 20.0699

Custodial, Housekeeping & Home Svcs 19.0699

If appropriately certified teacher not available, an Annual Occupational Authorization may be appropriate. Specialized work experience in CIP area must be within the 6 years prior to the date of the application.

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