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.
If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Quick Reference: Courses That Can Be Taught

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

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.

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.
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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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**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 MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT**

Agricultural Structure/Conveniences 01.0302

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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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

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.

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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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

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.

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.
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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

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

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.

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.
**ARCHITECTURE & CONSTRUCTION CLUSTER**

**26.1201  BIOTECHNOLOGY**

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
- Biotechnology 26.1201

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.

1. 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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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
* 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 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.

1. 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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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

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.

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.
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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

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.

1. 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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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

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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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

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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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

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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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

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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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:

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

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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**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

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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### ARTS A/V TECHNOLOGY & COMMUNICATIONS CLUSTER

<table>
<thead>
<tr>
<th>CIP Code</th>
<th>Program Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.0906</td>
<td>FASHION DESIGN - Not available for NEW CTE application</td>
</tr>
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</table>

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

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.

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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.
### 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:

<table>
<thead>
<tr>
<th>CIP Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>52.0299 Business Administration Management and Operations</td>
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<td>47.0102 Business Machine Repair</td>
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<td>07.0999 Business Services</td>
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<td>52.9999 Business Services and Technology</td>
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<td>52.9994 Business, Management &amp; Administration</td>
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<td>14.9900 Clerical &amp; Sec Lab</td>
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<td>14.9700 Clerical Lab</td>
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<td>07.0301 Data Processing/Business</td>
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<td>14.0300 General Office Clerical</td>
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<td>07.0601 Secretarial Programs</td>
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<td>14.0700 Steno/Clerical</td>
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<td>14.0000 Office</td>
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<td>14.0800 Supervisory and Administration</td>
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<tr>
<td>14.0900 Typing and Related Occupation</td>
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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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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 2016
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  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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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 OPPS

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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<table>
<thead>
<tr>
<th>ENERGY CLUSTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>46.0303 Electric Lineman</td>
</tr>
</tbody>
</table>

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

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## 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:

<table>
<thead>
<tr>
<th>Accounting &amp; Computing 14.0100</th>
<th>Finance and Credit 4.0400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Admin Management &amp; Operations 52.0299</td>
<td>Finance and Financial Management Services 52.0800</td>
</tr>
<tr>
<td>Business, Management &amp; Administration 52.9994</td>
<td>Marketing, Sales and Service 52.1999</td>
</tr>
<tr>
<td>Business Services and Technology 52.9999</td>
<td>Marketing Education 08.0708</td>
</tr>
<tr>
<td>Data Processing/Business 07.0301</td>
<td>Marketing, Sales and Services 08.0700</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Business Machine Repair 47.0102</th>
<th>Secretarial Programs 07.0601</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Services 07.0999</td>
<td>Steno/Clerical 14.0700</td>
</tr>
<tr>
<td>Clerical &amp; Sec Lab 14.9900</td>
<td>Steno/Clerical Lab 14.9800</td>
</tr>
<tr>
<td>Clerical Lab 14.9700</td>
<td>Supervisory &amp; Admin 14.0800</td>
</tr>
<tr>
<td>General Office Clerical 14.0300</td>
<td>Typing &amp; Related Occupation 14.0900</td>
</tr>
<tr>
<td>Office 14.0000</td>
<td></td>
</tr>
</tbody>
</table>

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

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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

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GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER

28.0301  ARMY (JROTC)

Instructors must hold a Department of Defense Credential.

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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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.
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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.
### 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

<table>
<thead>
<tr>
<th>Allied Health Technology 51.9999</th>
<th>Medical Emergency Tech 07.0907</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Hygienist 07.0102</td>
<td>Nursing 07.0300</td>
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<tr>
<td>Dental Lab Technician 07.0103</td>
<td>Nursing Aide 07.0303</td>
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<tr>
<td>Dental Occupations 17.0100</td>
<td>Nursing Occupations 17.0600</td>
</tr>
<tr>
<td>General Health Occupations 07.9900</td>
<td>Occupational Preparation 09.0200</td>
</tr>
<tr>
<td>Health 07.000</td>
<td>Occupational Therapy 07.0401</td>
</tr>
<tr>
<td>Health Occupations Cluster 07.9802</td>
<td>Pharmacy Assistant 07.9803</td>
</tr>
<tr>
<td>Health Occupations Cluster 17.9900</td>
<td>Physical Therapy 07.0402</td>
</tr>
<tr>
<td>Medical Assisting 17.0503</td>
<td>Practical Nursing 07.0302</td>
</tr>
<tr>
<td></td>
<td>Ward Clerk 07.9801</td>
</tr>
</tbody>
</table>

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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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### 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

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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

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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**

<table>
<thead>
<tr>
<th>CIP Code</th>
<th>CIP Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Service 04.0700</td>
<td>Recreation 01.0602</td>
</tr>
<tr>
<td>Food Service Hospital 07.0908</td>
<td>Recreation and Tourism 04.1800</td>
</tr>
<tr>
<td>Hotel and Lodging 04.1100</td>
<td>Meat Cutter 17.2903</td>
</tr>
<tr>
<td>Quantity Food Operations 17.2900</td>
<td>Waiter/Waitress 17.2904</td>
</tr>
</tbody>
</table>

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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.

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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

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29
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

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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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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
- Information Communication 14.0400
- Information Technology 11.1000
- Marketing, Sales and Service 52.1999
- Marketing Education 08.0708
- Marketing, Sales and Services 08.0700
- Secretarial Programs 07.0601
- Steno/Clerical 14.0700
- Steno/Clerical Lab 14.9800
- Supervisory & Admin 14.0800
- Typing & Related Occupation 14.0900

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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

Instructor 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

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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:

<table>
<thead>
<tr>
<th>CIP Area Endorsement</th>
<th>CIP Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Admin Management &amp; Operations</td>
<td>52.0299</td>
</tr>
<tr>
<td>Business Services and Technology</td>
<td>52.9999</td>
</tr>
<tr>
<td>Business, Management &amp; Administration</td>
<td>52.9994</td>
</tr>
<tr>
<td>Computer Systems Networking and Telecommunications</td>
<td>11.0901</td>
</tr>
<tr>
<td>Data Processing/Business</td>
<td>07.0301</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
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<td>47.0102</td>
</tr>
<tr>
<td>Business Services</td>
<td>07.0999</td>
</tr>
<tr>
<td>Clerical &amp; Sec Lab</td>
<td>14.9900</td>
</tr>
<tr>
<td>Clerical Lab</td>
<td>14.9700</td>
</tr>
<tr>
<td>General Office Clerical</td>
<td>14.0300</td>
</tr>
<tr>
<td>Office</td>
<td>14.0000</td>
</tr>
<tr>
<td>Secretarial Programs</td>
<td>07.0601</td>
</tr>
<tr>
<td>Steno/Clerical</td>
<td>14.0700</td>
</tr>
<tr>
<td>Steno/Clerical Lab</td>
<td>14.9800</td>
</tr>
<tr>
<td>Supervisory &amp; Admin</td>
<td>14.0800</td>
</tr>
<tr>
<td>Typing &amp; Related Occupation</td>
<td>14.0900</td>
</tr>
</tbody>
</table>

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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

11.1001 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 | Information Technology 11.1000 |
| Business Services and Technology 52.9999 | Marketing Education 08.0708 |
| Business, Management & Administration 52.9994 | Marketing, Sales and Service 52.1999 |
| Data Processing/Business 07.0301 | Marketing, Sales and Services 08.0700 |
| Information Communication 14.0400 | 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 | Secretarial Programs 07.0601 |
| Business Services 07.0999 | Steno/Clerical 14.0700 |
| Clerical & Sec Lab 14.9900 | Steno/Clerical Lab 14.9800 |
| Clerical Lab 14.9700 | Supervisory & Admin 14.0800 |
| General Office Clerical 14.0300 | Typing & Related Occupation 14.0900 |
| Office 14.0000 |

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.

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**LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY CLUSTER**

**43.0100 PUBLIC SAFETY/PROTECTIVE SERVICES**

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

- Fireman 17.2801
- Law Enforcement Training 43.0107
- Public Safety/Protective Services 43.0100
- Public Service Occupation 17.2800

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

- Appliance Repair 17.0200
- Electric Power Generation Plants 17.3201
- 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
- Watch Repair 47.0408
- Watchmaking and Repair 17.2102

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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MANUFACTURING CLUSTER

47.0601 MARINE MAINTENANCE
Not available for NEW CTE application

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

- Marine Maintenance 47.0616
- Marine Mechanics 17.2200
- Seamanship 17.0801
- Ship and Boat/Operation and Maintenance 17.0802

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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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.
### MANUFACTURING CLUSTER

**48.0501  MACHINE TOOL OPERATION/MACHINE SHOP**

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

<table>
<thead>
<tr>
<th>CIP Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48.5020</td>
<td>Foundry</td>
</tr>
<tr>
<td>17.2302</td>
<td>Machine Shop</td>
</tr>
<tr>
<td>17.2303</td>
<td>Machine Shop</td>
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<tr>
<td>48.0501</td>
<td>Machine Tool Operation/Machine Shop</td>
</tr>
<tr>
<td>48.0501</td>
<td>Machine Tool Technology/Machinist</td>
</tr>
<tr>
<td>48.0599</td>
<td>Manufacturing Cluster</td>
</tr>
<tr>
<td>48.9999</td>
<td>Manufacturing Technology</td>
</tr>
<tr>
<td>14.0500</td>
<td>Materials Support</td>
</tr>
<tr>
<td>17.2309</td>
<td>Metal Patternmaking</td>
</tr>
<tr>
<td>48.0506</td>
<td>Metal Trades</td>
</tr>
<tr>
<td>17.2304</td>
<td>Metal Trades/Combined</td>
</tr>
<tr>
<td>17.2400</td>
<td>Metallurgy</td>
</tr>
<tr>
<td>17.2300</td>
<td>Metalworking</td>
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<td>48.0000</td>
<td>Precision Production Trades General</td>
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<tr>
<td>17.2305</td>
<td>Sheet Metal</td>
</tr>
<tr>
<td>17.2307</td>
<td>Tool and Die Making</td>
</tr>
</tbody>
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MANUFACTURING CLUSTER

48.0508 WELDING, BRAZING AND SOLDERING

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

Welding, Brazing and Soldering 48.0508

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MANUFACTURING CLUSTER

<table>
<thead>
<tr>
<th>CIP Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48.0701</td>
<td>WOODWORKING GENERAL 48.0701</td>
</tr>
</tbody>
</table>

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

- Carpentry 17.1001
- Construction and Maintenance 17.100
- Construction Trades 46.0000
- Construction Trades 46.9901
- Millwork and Cabinetmaking 17.3601
- Woodworking General 48.0701

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MARKETING CLUSTER

52.1999 MARKETING, SALES AND SERVICE

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

- 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 & Administration 52.9994
- Clerical & Sec Lab 14.9900
- Clerical Lab 14.9700
- Data Processing/Business 07.0301
- Food Distribution 04.0600
- General Merchandise 04.0800
- 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
- Stock Clerk 14.0504
- Supervisory and Administration 14.0800
- Typing and Related Occupation 14.0900

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<table>
<thead>
<tr>
<th>SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.4201 MECHATRONICS</strong></td>
</tr>
<tr>
<td><strong>Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:</strong></td>
</tr>
<tr>
<td>* Architectural Drafting 17.1308</td>
</tr>
<tr>
<td>* Drafting and Design Technology/Architectural 15.1301 Drafting 48.0101</td>
</tr>
<tr>
<td>* Electrical/Electronics Equipment Installation and Repair General 47.0101</td>
</tr>
<tr>
<td>* Electrical/Electronics Maintenance and Repair Technology, Other 47.0199</td>
</tr>
<tr>
<td>Electro-Mechanical Technology 15.0403</td>
</tr>
<tr>
<td>* Engineering Technology 15.0000 Industrial Production 15.0612</td>
</tr>
<tr>
<td>* Machine Shop 17.2302</td>
</tr>
<tr>
<td>* Machine Shop 17.2303</td>
</tr>
<tr>
<td>* Machine Tool Technology/Machinist 48.0501</td>
</tr>
<tr>
<td>* Manufacturing Cluster 48.0599</td>
</tr>
<tr>
<td>* Mechanical Drafting 15.1306</td>
</tr>
<tr>
<td>Mechatronics 14.4201</td>
</tr>
</tbody>
</table>

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

Blue Print Reader 17.0500
* Electrical and Power Transmission Installation 46.0301

Electrical, Electronics, & Comm Engineer 14.1001
Electronics 17.1002
* Surveying Engineer 14.3801

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER

15.0000 ENGINEERING TECHNOLOGY

Instructors with the following CIPs may teach this program - Provisional/Professional/Continuing teaching certificate not required:
* Architectural Drafting 17.1398
* Drafting and Design Technology/Architectural 15.1301
* Drafting 48.0101
* Electrical and Power Transmission Installation 46.0301
* Electrical/Electronics Equipment Installation and Repair General 47.0101
* Electrical/Electronics Maintenance and Repair Technology, Other 47.0199
* Engineering Technology 15.0000
* Surveying Engineer 14.3801
* Mechanical Drafting 15.1306
* Mechatronics 14.4201

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Blue Print Reader 17.0500
Electrical, Electronics, & Comm Engineer 14.1001
Electronics 17.1002
*Industrial Production 15.0612

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15.1306 MECHANICAL DRAFTING

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

* Architectural Drafting 17.1398
  Drafting 48.0101
  Drafting and Design Technology 15.1301

* 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

* Blueprint Reader 17.0500
* 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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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0399 HEAVY INDUSTRIICAL 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.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0604 AUTOMOBILE 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:

Automobile Technician 47.0604
Auto Mechanics 47.0684
Automotive 04.0300
Mechanics 17.0302
Mechanics Cluster 47.0699
Transportation Services & Technology 47.9999

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0606  SMALL ENGINE & RELATED EQUIPMENT REPAIR

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

- Marine Maintenance 47.0616
- Mechanics 17.0302
- Mechanics Cluster 47.0699
- Small Engine & Related Equipment Repair 47.0606

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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.
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.
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. 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

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

TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

47.0613 MEDIUM/HEAVY TRUCK TECHNICIAL (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.
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.
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.

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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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.
  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

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.

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.