



2010-2020 Lower Division CTE Classification of Instructional Programs (CIP) Review

Kathleen Taylor, Bureau Chief
Christine Walsh, Education Program Analyst
November 18, 2020





FLORIDA DEPARTMENT OF
EDUCATION
fldoe.org

Background

The CIP

National Center For Education Statistics

- What does CIP actually stand for?
 - Classification of Instructional Programs (CIP) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity.
- Originally developed by the U.S. Department of Education's National Center for Education Statistics (NCES) in 1980
- Revisions occurring in 1985, 1990, 2000, 2010 and 2020

Lower Division Florida CIP Codes

- All Florida 10-digit CIPs start with 2 digits that indicate the program level followed by the 6-digit federal CIP.
- The “Unique Identifier” (last 2-digits) represents the program installment/version since its original inception. For example, an Information Technology A.S. degree ending in “003” represents the 3rd version of that program, which was likely initiated by a change in the program length or substantive change in the student learning outcomes.

| Cluster Values Aligned to Cost Report Codes (2 Digits = 1x or 0x) | Classification of Instructional Program (6-Digit Federal CIP Code) | Unique Identifier (2 digits assigned by DCAE) |
|--|---|--|
| 12 | 345678 | 03 |

2020 Lower Division CIP Transition and Deployment

- NCES released the 2020 Classification of Instructional Programs (CIP) last year, which reflects the various programs of study being offered at postsecondary institutions around the country.
- The Division maintained the existing 2010 CIPs (Florida's 10-digit CIPs, which is inclusive of the 6-digit federal CIP) in the 2020-2021 curriculum frameworks and announced to school districts and FCS institutions that deployment of 2020 CIPs would be reflected in the 2021-2022 curriculum frameworks.
- On the upper division side, the Division of Florida Colleges has already engaged the Florida College System on the 2020 CIP assignments for workforce baccalaureate degrees.
- This November school districts and FCS institutions can review and provide feedback on recommended lower division 2020 CIP code assignments for all program types (career certificate, ATD, CCC, AAS, and AS).



FLORIDA DEPARTMENT OF
EDUCATION
fldoe.org

2020 CIP Code Transition

Overarching Goal of the 2020 CIP Code Transition

- Ensure alignment between CIP codes and lower division CTE programs adopted annually by the State Board of Education.
- Provide key stakeholders (FCS institutions and school district technical colleges) the opportunity to review the Department's proposed 2020 6-digit federal CIP code assignments.

2010-2020 Federal Crosswalk Changes

| CIP Title (Program Title) | Program Type | Florida CIP Number 2010 | 2010 Federal CIP | 2020 Federal CIP | 2020 Federal CIP Title |
|--|--------------|-------------------------|------------------|------------------|--|
| Veterinary Assisting | CAR | 0151080810 | 510808 | 018301 | Veterinary/Animal Health Technology/Technician and Veterinary Assistant. |
| Veterinary Assisting | CCC | 0351080801 | 510808 | 018301 | Veterinary/Animal Health Technology/Technician and Veterinary Assistant. |
| Veterinary Technology | AS | 1351080800 | 510808 | 018301 | Veterinary/Animal Health Technology/Technician and Veterinary Assistant. |
| Alternative Energy Engineering Technology | CCC | 0615050304 | 150503 | 151701 | Energy Systems Technology/Technician. |
| Solar Photovoltaic System Design, Installation and Maintenance - Entry Level | CAR | 0615050502 | 150505 | 151703 | Solar Energy Technology/Technician. |
| Turbine Generator Maintenance, Inspection and Repair | CAR | 0715050304 | 150503 | 151701 | Energy Systems Technology/Technician. |
| Energy Technician | CAR | 0715050320 | 150503 | 151701 | Energy Systems Technology/Technician. |
| Crime Scene Technician | CCC | 0743010601 | 430106 | 430406 | Forensic Science and Technology. |
| Crime Scene Technology | AS | 1743010600 | 430106 | 430406 | Forensic Science and Technology. |
| Computer Related Crime Investigations | AS | 1743011601 | 430116 | 430403 | Cyber/Computer Forensics and Counterterrorism. |
| Alternative Energy Systems Specialist | CCC | 0615050303 | 150503 | 151701 | Energy Systems Technology/Technician. |
| Solar Energy Technician | CCC | 0615050517 | 150505 | 151703 | Solar Energy Technology/Technician. |

2020 CIP Transition and Deployment

Key Policy Considerations:

- Are there existing 2010 CIPs that were misaligned to begin with? We cannot rely on the federal crosswalk to determine the 2020 CIP assignment
- Postsecondary stakeholder engagement is key to a successful deployment
- What if a program is just entering "teach-out" in 2021-22? What about active programs in "teach-out" prior to 2021-22?
- CIP to SOC alignment must be a consideration as a companion project and include stakeholder input
- Implications for articulation

Implementation Plan

| Key Date: | Milestone |
|--|--|
| General Introduction of Topic | <ul style="list-style-type: none"> • June and October 2020 FCS Councils meetings • Fall Quarterly Postsecondary CTE webinars |
| Comprehensive Internal CIP Code Review | October 2020 |
| External Stakeholder Review | November 10 – December 11, 2020 |
| Compilation of Review Results and Determination of Final 2020 Federal 6-Digit CIP Code Assignments | December 11 – January 8, 2020 |
| 2021-2022 Academic Year Lower Division Curriculum Frameworks | <ul style="list-style-type: none"> • Posted as Draft in February 2021 • Adoption by the State Board of Education in Spring 2021. |
| 2021-2022 Reporting Year | Full Implementation of 2020 Federal 6-Digit CIP codes. |

External Stakeholder Next Steps

- Coordinate with program and curriculum staff who are knowledgeable of the subject matter of each lower division CTE program at your institution.
- Engage your reports coordinators and institutional effectiveness representatives if appropriate.
- Please complete the workbook no later than Friday, December 11, 2020.
- Please contact Kathleen Taylor at 850-245-9062 or by email at Kathleen.taylor@fldoe.org if you have any programmatic questions.



FLORIDA DEPARTMENT OF
EDUCATION
fldoe.org

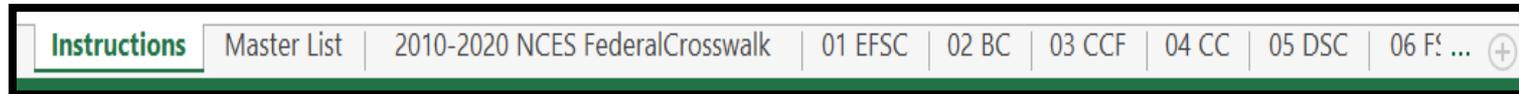
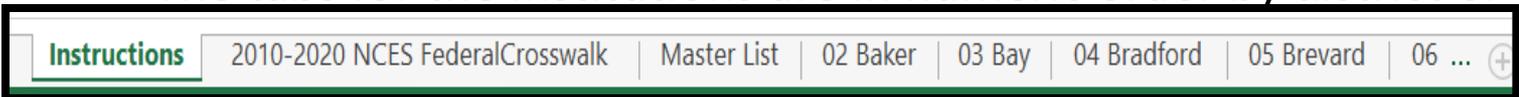
Local Stakeholder Review: How to Navigate the Workbook & Instructions

Background and Introduction

- This review is for lower division CTE programs only.
- The program information in this workbook is from data reported to FDOE for the year 2019-20.
- It has been compared to the current active statewide program inventory for 2020-21. This comparison was performed for several reasons:
 - To identify programs being used in 2019-20 that are no longer valid in 2020-21; and
 - To review the 2020-21 program inventory and their associated CIPs and identify any potential changes that need to be made to align them with the new 2020 Federal 6-Digit CIPs.

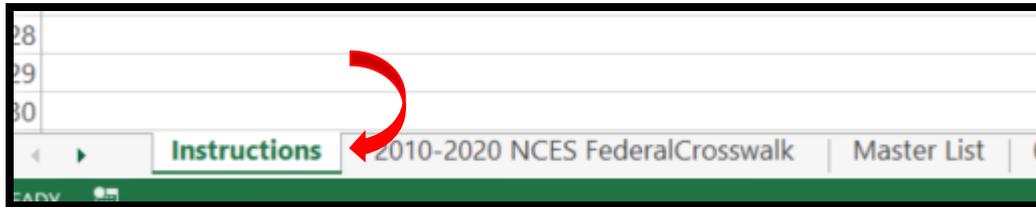
Workbook Tabs

- The tabs you will find in the workbook are:
 - Instructions
 - 2010-2020 NCES Federal Crosswalk
 - Master List
 - An individual tab for each school district or FCS institution
 - The tabs for the institutions are in numeric order by district or



Workbook Instructions

- Instructions for the CIP Review Workbook were included as a .pdf in the email you received from Chancellor Mack on November 10th and contains the workbook and they are also included as the first tab in the workbook.



Master List Tab

- This list is the current available 2020-2021 academic year statewide inventory of postsecondary programs.
 - The district Master List contains career certificate programs (CAR) and applied technology diplomas (CAR-ATD) programs
 - The FCS institution Master List contains associate in science degrees (AS), associate in applied science degrees (AAS), applied technology diplomas (ATD), college credit certificates (CCC) and career certificates CAR programs

Master List Tab

- Contains the following fields:

| FDOE Program Title | Program Type | Current FDOE 10 Digit CIP Number | 2010 Federal 6 Digit CIP | 2020 Federal 6 Digit CIP | FDOE Suggested 2020 Federal 6 Digit CIF | 2020 Federal CIP Title <i>(**Note** This is NOT the program title)</i> | Postsecondary Program Number | Teach Out Program | Year Dagerred |
|-----------------------------------|--------------|----------------------------------|--------------------------|--------------------------|---|--|------------------------------|-------------------|---------------|
| Nursery Management | CAR | 0101060602 | 010606 | 010606 | 010606 | Plant Nursery Operations and Management. | A010616 | No | |
| Landscape & Turf Management | CAR | 0101060703 | 010607 | 010607 | 010607 | Turf and Turfgrass Management. | A200100 | No | |
| Veterinary Assisting | CAR | 0151080810 | 510808 | 018301 | 018301 | Veterinary/Animal Health Technology/Technician and Veterinary Assistant. | A010512 | No | |
| Water Treatment Technologies | CAR | 0715050603 | 150506 | 150506 | 150506 | Water Quality and Wastewater Treatment Management and Recycling Technology/Technician. | P150507 | No | |
| Wastewater Treatment Technologies | CAR | 0715050604 | 150506 | 150506 | 150506 | Water Quality and Wastewater Treatment Management and Recycling Technology/Technician. | P150527 | No | |

Programs In Teach Out

- Please note that Teach Out and Year Daggered indicators in columns J and K on the Master List have been included for reference purposes only.
- Those CIP numbers are being reviewed internally and not subject to this external stakeholder review.
- If a program is in teach out status, districts and colleges should not be enrolling new students or be considering the addition of the teach out program to their local catalog offering.
- CIP codes associated with registered apprenticeship, preapprenticeship, the applied technology certificate (ATC) and the adult education programs are not subject to this external stakeholder review.

2010-2020 NCES Federal Crosswalk

- This tab contains the 2010-2020 CIP Crosswalk provided by the National Center for Education Statistics (NCES)
- It will be used to review the 2010 CIP code and CIP title and compare it to the 2020 CIP code and CIP title (listed side-by-side on the crosswalk)
- It will allow you to review other 2020 CIP codes and CIP titles and make alternate suggestions if you disagree with the FDOE suggested 2020 CIP code
- You are welcome to review the NCES detailed CIP information at the following link:
<https://nces.ed.gov/ipeds/cipcode/Default.aspx?y=56>

Side-by-Side Comparison

| CIPCode2010 | CIPTitle2010 | Action | Text change | CIPCode2020 | CIPTitle2020 | Status |
|-------------|--|------------------------|-------------|-------------|--|-----------|
| 01 | AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES. | No substantive changes | yes | 01 | AGRICULTURAL/ANIMAL/PLANT/VETERINARY SCIENCE AND RELATED F | No Change |
| 01.00 | Agriculture, General. | No substantive changes | no | 01.00 | Agriculture, General. | No Change |
| 01.0000 | Agriculture, General. | No substantive changes | no | 01.0000 | Agriculture, General. | No Change |
| 01.01 | Agricultural Business and Management. | No substantive changes | no | 01.01 | Agricultural Business and Management. | No Change |
| 01.0101 | Agricultural Business and Management, General. | No substantive changes | no | 01.0101 | Agricultural Business and Management, General. | No Change |
| 01.0102 | Agribusiness/Agricultural Business Operations. | No substantive changes | no | 01.0102 | Agribusiness/Agricultural Business Operations. | No Change |
| 01.0103 | Agricultural Economics. | No substantive changes | no | 01.0103 | Agricultural Economics. | No Change |
| 01.0104 | Farm/Farm and Ranch Management. | No substantive changes | no | 01.0104 | Farm/Farm and Ranch Management. | No Change |
| 01.0105 | Agricultural/Farm Supplies Retailing and Wholesaling. | No substantive changes | no | 01.0105 | Agricultural/Farm Supplies Retailing and Wholesaling. | No Change |
| 01.0106 | Agricultural Business Technology. | No substantive changes | yes | 01.0106 | Agricultural Business Technology/Technician. | No Change |
| 01.0199 | Agricultural Business and Management, Other. | No substantive changes | no | 01.0199 | Agricultural Business and Management, Other. | No Change |
| 01.02 | Agricultural Mechanization. | No substantive changes | no | 01.02 | Agricultural Mechanization. | No Change |
| 01.0201 | Agricultural Mechanization, General. | No substantive changes | no | 01.0201 | Agricultural Mechanization, General. | No Change |
| 01.0204 | Agricultural Power Machinery Operation. | No substantive changes | no | 01.0204 | Agricultural Power Machinery Operation. | No Change |
| 01.0205 | Agricultural Mechanics and Equipment/Machine Technology. | No substantive changes | yes | 01.0205 | Agricultural Mechanics and Equipment/Machine Technology/Technician | No Change |
| | | New | no | 01.0207 | Irrigation Management Technology/Technician. | Other |
| 01.0299 | Agricultural Mechanization, Other. | No substantive changes | no | 01.0299 | Agricultural Mechanization, Other. | No Change |
| 01.03 | Agricultural Production Operations. | No substantive changes | no | 01.03 | Agricultural Production Operations. | No Change |
| 01.0301 | Agricultural Production Operations, General. | No substantive changes | no | 01.0301 | Agricultural Production Operations, General. | No Change |
| 01.0302 | Animal/Livestock Husbandry and Production. | No substantive changes | no | 01.0302 | Animal/Livestock Husbandry and Production. | No Change |

The Institution Tab

- Click on your institution's tab
- When the tab opens you will see a list of all the postsecondary CTE programs the institution reported enrollment and/or a completion for the 2019-20 reporting year.
- Workbook differences:
- District tab contains the postsecondary program number (column D) as well as the 10 digit CIP
- FCS tab contains the college name abbreviation (column B) and only contains the 10 digit CIP



Please note, N/A indicates that your district has reported at least one enrollment or completion in 2019-20, but this 10-digit CIP/Program does not currently exist in the Approved 2020-21 Program Inventory and is therefore not reportable. Please review these programs to ensure that the most current CIP codes and program numbers are being used.

| District Number | District Name | FDOE 2010 CIP Number In Use at District | Postsecondary Program Number | 2010 Federal CIP | 2020 Federal CIP | FDOE Recommended Federal CIP | 2020 Federal CIP Title (**Note** This is NOT the program title) |
|-----------------|---------------|---|------------------------------|------------------|------------------|------------------------------|---|
| 3 | BAY | 0551071603 | B070300 | 510716 | 510716 | 510716 | Medical Administrative/Executive Assistant and Medical Secretary. |
| 3 | BAY | 0552040103 | B070330 | 520401 | 520401 | 520401 | Administrative Assistant and Secretarial Science, General. |
| 3 | BAY | 0511090107 | Y100200 | 110901 | 110901 | 110901 | Computer Systems Networking and Telecommunications. |
| 3 | BAY | 0351350102 | H120406 | 513501 | 513501 | 513501 | Massage Therapy/Therapeutic Massage. |

Please note, N/A indicates that your college has reported at least one enrollment or completion in 2019-20, but this 10-digit CIP does not currently exist in the Approved 2020-21 Program Inventory and is therefore not reportable. Please review these programs to ensure that the most current CIP codes are being used.

| College Number | College Name ABBR | College Name | FDOE 2010 CIP Number In Use at College (10-digit) | 2010 Federal CIP | 2020 Federal CIP | FDOE Recommended 2020 Federal CIP | 2020 Federal CIP Title (**Note** This is NOT the program title) |
|----------------|-------------------|-------------------------------|---|------------------|------------------|-----------------------------------|---|
| 01 | EFSC | EASTERN FLORIDA STATE COLLEGE | 0351060108 | 510601 | 510601 | 510601 | Dental Assisting/Assistant. |
| 01 | EFSC | EASTERN FLORIDA STATE COLLEGE | 0351070714 | 510707 | 510707 | 510714 | Medical Insurance Specialist/Medical Biller |
| 01 | EFSC | EASTERN FLORIDA STATE COLLEGE | 0351080104 | 510801 | 510801 | 510801 | Medical/Clinical Assistant. |
| 01 | EFSC | EASTERN FLORIDA STATE COLLEGE | 0351080503 | 510805 | 510805 | 510805 | Pharmacy Technician/Assistant. |

Begin The Review

- If a program has NA in Columns D, E, F, G and H that means that there wasn't a current match for that program in the 2020-21 program inventory and that program is no longer available/reportable in 2020-21. These CIPs will not be updated.

| | | | | |
|------------|--------|--------|--------|--|
| 0351090503 | 510905 | 510905 | 510905 | Nuclear Medical Technology/Technologist. |
| 0351090703 | 510907 | 510907 | 510907 | Medical Radiologic Technology/Science - Radiation Therapist. |
| 0351350100 | NA | NA | NA | NA |
| 0419070904 | 190709 | 190709 | 190709 | Child Care Provider/Assistant. |
| 0419070906 | 190709 | 190709 | 190709 | Child Care Provider/Assistant. |

- The institution should make sure that the program is not in use for the 2020-21 reporting year **and**
- In column L – “Local Agency Comments/Notes”, on the institution tab, note any comments you might have such as “The College/District is no longer offering this program in 2020-21 and has moved to the new replacement program.”

Next Steps

- Look at the current 2010 Federal CIP (Column E) that is in use.
 - Note* The 2010 Federal CIP is also the middle six digits of the 10 digit CIP (Column C for Districts or D for FCS institutions).
- Next look at the 2020 Federal CIP (Column F). This is the CIP that the NCES suggest we use.
- Then review the FDOE Recommended Federal CIP (Column G) and corresponding CIP title (Column H).

| C | D | E | F | G | H |
|---|------------------------------|------------------|------------------|------------------------------|--|
| Please note, N/A indicates that your district has reported at least one enrollment or completion in 2019-20, but this 10-digit CIP/Program does not currently exist in the Approved 2020-21 Program Inventory and is therefore not reportable. Please review these programs to ensure that the most current CIP codes and program numbers are being used. | | | | | |
| FDOE 2010 CIP Number In Use at District | Postsecondary Program Number | 2010 Federal CIP | 2020 Federal CIP | FDOE Recommended Federal CIP | 2020 Federal CIP Title (**Note** This is NOT the program title) |
| 0551071603 | B070300 | 510716 | 510716 | 510716 | Medical Administrative/Executive Assistant and Medical Secretary. |
| 0552040103 | B070330 | 520401 | 520401 | 520401 | Administrative Assistant and Secretarial Science, General. |
| 0511090107 | Y100200 | 110901 | 110901 | 110901 | Computer Systems Networking and Telecommunications. |
| 0251250102 | H120406 | 512501 | 512501 | 512501 | Massage Therapy/Therapeutic Massage |

Next Steps (Continued)

- In most cases the FDOE recommended CIP is the same as the 2020 CIP suggested by the Federal NCES Crosswalk. However, this is also where the two may differ because it was determined that a different 2020 Federal CIP was better aligned to the program and the Department is recommending a different 2020 Federal CIP number.

| | | | | | |
|------------|---------|--------|--------|--------|---|
| 0646030202 | I460312 | 460302 | 460302 | 460302 | Electrician. |
| 0646050303 | I460514 | 460503 | 460503 | 460502 | Pipefitting/Pipefitter and Sprinkler Fitter |
| 0647020106 | I470203 | 470201 | 470201 | 470201 | Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician. |

Next Steps (Continued)

- Use the tab 2010-2020 NCES Federal Crosswalk provided for your reference or use the link provided in the instructions to access the NCES Federal Crosswalk.
<https://nces.ed.gov/ipeds/cipcode/Default.aspx?y=56>
- In Column I you will indicate if you agree or disagree with the FDOE recommended Federal CIP by making the selection using the drop down list (You will see the drop down arrow when you click in the cell).

| I | J | K | L |
|--|---|--|---|
| Local agency--please complete these columns. | | | |
| Local Agency Assessment: Agree/Disagree with FDOE Recommended 2020 CIP Assignment (Column G)  | Local Agency Assessment: Suggested 2020 Federal CIP (Must be valid NCES 2020 CIP)  | Local Agency Assessment: Reason for Disagreement and Suggested Replacement  | Local Agency Comments/Notes  |
| Agree | | | |
| Disagree | | | |

Next Steps (Continued)

- If you selected disagree in Column I, then enter your suggested 2020 CIP recommendation in Column J. **It must be a valid CIP from the 2010-2020 NCES CIP Crosswalk** that can be found using the link provided in the instructions and on slide 10 or use the tab 2010-2020 NCES Federal Crosswalk in the workbook.
- In Column K provide your reason for your disagreement and brief rationale for your recommendation.

| I | J | K | L |
|---|--|---|--|
| Local agency--please complete these columns. | | | |
| Local Agency Assessment: Agree/Disagree with FDOE Recommended 2020 CIP Assignment (Column G) <input type="button" value="v"/> | Local Agency Assessment: Suggested 2020 Federal CIP (Must be valid NCES 2020 CIP) <input type="button" value="v"/> | Local Agency Assessment: Reason for Disagreement and Suggested Replacement <input type="button" value="v"/> | Local Agency Comments/Notes <input type="button" value="v"/> |
| | | | |
| | | | |

Next Step (Optional)

- If you are offering a new program this year (2020-21 academic year) or are going to be adding a program in 2021-22 and would like to add the program to your list:
 - Find the program on the on the “Master List” tab and then enter the corresponding program information at the end of the list provided on your institution tab. You will enter this corresponding information at the bottom of your list in the first available blank row.
 - In Column L – Local Agency Comments/Notes indicate if it was new for 2020-21 or will be new/proposed for 2021-22.
- Column L will also be used to add responses for those programs that contained NA and are not in the 2020-21 program inventory

Final Steps

- Save the workbook
- Email the workbook no later than Friday, December 11, in its entirety, to: christine.walsh@fldoe.org
- Technical questions concerning the workbook should be directed to Christine Walsh.



FLORIDA DEPARTMENT OF
EDUCATION
— fldoe.org

Q & A



www.FLDOE.org

Tara Goodman, Chief
Vice Chancellor
Tara.goodman@fldoe.org

Gloria Spradley-Brown, Chief
Bureau of Grants Administration
and Compliance
Gloria.spradley@fldoe.org

Kathleen Taylor, Chief
Bureau of Standards, Benchmarks
and Frameworks
Kathleen.taylor@fldoe.org



www.FLDOE.org