FL DOE CAREER CLUSTER UPDATES:
* Architecture & Construction
* Energy
* Marketing, Sales & Service

State Supervisor, David Mueller
FL DOE Career Cluster Updates

State Supervisor, David Mueller

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www fldoe org/academics/career-adult-edu/career-tech-edu
State Supervisor
David “Dave” Mueller
Background Information

- Residential & Commercial Carpentry
- BS in Architectural Studies
- Architectural Design & Production Drawings
- Architectural CADD Design & Production Drawings
- Commercial Architectural Software & Services
- Architectural CADD Software Training
- Commercial Software & Services Marketing
- Commercial & Government Project Management
- Commercial & Government Management
- State of Florida Experience (DOR, DOT, DOE)
Agenda Topics

- Program Reviews
  - 2019 (Reviews for 2020-21 school year)
  - 2020 & 2021 (Upcoming reviews)
- Change Document (2019-20 changes)
- Program Enrollment (2017-18 data)
- Career Cluster Infographics & CTE Brochure
- CAPE Updates (2019-20)
  - CAPE Industry Certification Funding List Update
  - Career-Themed Courses & CAPE Funding List
  - Test Administration
- Instructional Materials
- Legislative Update
- Miscellaneous
Language Change

Post Secondary Adult Vocational (PSAV) will no longer be used.

These programs are now called CAREER CERTIFICATE PROGRAMS
Program Reviews

Legislation {Statute: 2004.92 (2)(b) 4} requires educational programs to be reviewed on a 3-year cycle by a committee of subject matter experts nominated from invitations sent to each school district.
The following are programs we are reviewing this year (2019) for the 2020-2021 school year.

No middle school courses are being reviewed again this year.
Architecture & Construction Programs currently under review

Secondary and Career Certificate Programs:

- **Architectural Drafting (8101100)**
- **Drafting (8725000)**
- **Structural Drafting (8101200)**
- **Building Construction Technologies (8720300)**
- **Building Trades & Construction Design Technology (8722000)**
- **Electricity (8727200)**
- **Building Construction Technologies (I460401)**
- **Building Trades & Construction Design Technology (C100100)**
- **Drafting (C100200)**
- **Electrician (I460314)**
- **Electricity (I460312)**
Secondary and Career Certificate Programs:

- Energy Technician (9700300)
- Solar Energy Technology (8006100)
- Solar Photovoltaic System Design, Installation and Maintenance (X600400)
- Turbine Generator Maintenance, Inspection and Repair (X600500)
Marketing, Sales and Service Programs currently under review

Secondary and Career Certificate Programs:
- No Secondary programs are being reviewed
- Distribution and Logistics Management (M812040)
Next Years Reviews

- The following are programs we will start reviewing in 2020 for the 2021-2022 school year.
- No middle school courses are slated to be reviewed.

Volunteers are greatly appreciated!
Onsite Building Construction Technologies Review in Orange Co.
Architecture & Construction
Programs to be reviewed next year

Secondary and Career Certificate Programs:

- Brick and Block Masonry (8722900)
- Cabinetmaking (8104400)
- Carpentry (8104300)
- Civil Engineering Aide (8915000)
- Painting and Decorating (8721500)
- Plumbing (8105500)
- Brick and Block Masonry (I463112)
- Cabinetmaking (C410400)
- Carpentry (C510300)
- Painting and Decorating (I460408)
- Plumbing (C500500)
Energy
Programs to be reviewed next year

Secondary and Career Certificate Programs:
- No Secondary courses are slated to be reviewed.
- Natural Gas Operations and Distribution (X500200)
Marketing, Sales and Services Programs to be reviewed next year

Secondary and Career Certificate Programs:

- E-Commerce Marketing (8827200)
- Fashion Marketing (8806000)
- International Marketing (8839100)
- Marketing, Management and Entrepreneurial Principles (9200500)
- Sport, Recreation and Entertainment Marketing (8827400)
- Marketing, Management and Entrepreneurial Principles (M200500)
- Real Estate Sales Agent (M807010)
- Real Estate Sales Associate Post Licensing (M200100)
2019-2020 Change Document

- Located on the CTE Program Resources Page:
- [http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml](http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml)
CTE Program Resources

Curriculum Framework Development and Revision Resources

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- Florida Standards for Technical Subjects (RTF) New
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  - New Program Request Form: College Credit (PDF)

Program Planning

- Alphabetical List of 2019-20 Secondary/Career Certificate CTE Programs (RTF)
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- Apprenticeship Programs - 2018-2019 (RTF)
- CAPE Industry Certification Funding List (Current)
- CAPE Postsecondary Industry Certification Funding List (Current)
- Carl D. Perkins Technical Skill Attainment (TSA) Inventory
- Historical Change Document - CTE (Excel)
- Change Document - CTE 2019-20 (RTF)
- Change Document - CTE 2018-19 (RTF)
- Cooperative Education Manual

http://fldoe.org/core/fileparse.php/5652/urlt/1920Changes.rtf
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<th>Career Certificate #</th>
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<td>Building Information Modeling CAD Technician (TDR0303) (300 Hours)</td>
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<td>Mechanical CAD Technician (TDR0305) (300 Hours)</td>
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<td>Introduction to HVAC/R (ACR0000) (250 Hours)</td>
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<td>Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 2</td>
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<td>HVAC/R Service Practices (ACR0012) (250 Hours)</td>
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<td>Program/Course Title</td>
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|                                                          |          |             |                      |                  | **OCP-A**  
HVAC/R Intermediate Service Practices (ACR0013) (250 Hours)  
**OCP-B**  
HVAC/R Advanced Service Practices (formerly ‘Air-Conditioning, Refrigeration and Heating Technician’) (ACR00044) (350 Hours)  
-OR-  
HVAC/R Advanced Commercial and Industrial Service Practices (formerly ‘Refrigeration Mechanic’) (ACR00045) (350 Hours) |
| Changed Programs/Courses                                 |          |             |                      |                  | **Course name daggered for change** to  
‘HVAC/R Advanced Service Practices’.                                   |
| ‘Air-Conditioning, Refrigeration and Heating Technician’ course | 0647020106 | NA          | ACR0044              | NA               | **Course name daggered for change** to  
‘HVAC/R Advanced Commercial and Industrial Service Practices’. |
<p>| ‘Refrigeration Mechanic’ course                          | 0647020106 | N/A         | ACR0045              | N/A              |                                                                                                                                 |
| Daggered/Deleted Programs                                |          |             |                      |                  | <strong>Program daggered for deletion</strong> as part of the review process. Last year for new enrollment is 2019-20. Program will remain in inventory for teach-out with 2021-22 as projected year of deletion. Program replaced by Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) - C400400. |
| Air-Conditioning, Refrigeration and Heating Technology    | 0647020106 | NA          | I470203              | NA               |                                                                                                                                 |
| Air-Conditioning, Refrigeration and Heating Technology 1  | 0647020107 | NA          | C400100              | NA               | <strong>Program daggered for deletion</strong> as part of the review process. Last year for new enrollment is 2019-20. Program will remain |</p>
<table>
<thead>
<tr>
<th>Program/Course Title</th>
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<td>Building Construction Technology</td>
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<tr>
<td>Cabinetmaking</td>
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<td>I480704</td>
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<td>Construction Management Technology</td>
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<td>Changes Pending for 2020-2021</td>
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## Energy Program Changes

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<th>AS / CCC Program</th>
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<td><strong>New Programs</strong></td>
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<td>Electrical Lineworker</td>
<td>0646030302</td>
<td>NA</td>
<td>X100100</td>
<td>NA</td>
<td>New program to replace the Electrical Line Service and Repair program (I460303). Course structure as follows: OCP A Electrical Lineworker 1 (course # BCV0666) (540 Hours) OCP B Electrical Lineworker 2 (course # BCV0668) (540 Hours) OCP C Electrical Lineworker 3 (course # BCV0669) (420 Hours)</td>
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<td>Electrical Utility Lineworker Fundamentals</td>
<td>0646030105</td>
<td>NA</td>
<td>NA</td>
<td>CCC</td>
<td>New CCC program for Electrical Distribution Technology under 0646030104.</td>
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<td><strong>Daggered/Deleted Programs</strong></td>
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<td>Electrical Distribution Technology Advanced</td>
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<tr>
<td>Electrical Line Service and Repair</td>
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<td>NA</td>
<td>I460303</td>
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<td>Program daggered for deletion as part of the review process. Last year for new enrollment is 2019-20. Program will remain in inventory for teach-out with 2021-22 as projected year of deletion. Program replaced with Electrical Lineworker. (X100100)</td>
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### Marketing, Sales & Service Changes

<table>
<thead>
<tr>
<th>Program/Course Title</th>
<th>CIP #</th>
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<th>Career Certificate #</th>
<th>AS / CCC Program</th>
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<tr>
<td><strong>New Programs/Courses</strong></td>
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<tr>
<td><strong>Changed Programs/Courses</strong></td>
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<td><strong>Daggered/Deleted Programs</strong></td>
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<tr>
<td>Customer Service Representative</td>
<td>0252041100</td>
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<td>M807060</td>
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<td>E-Commerce Marketing</td>
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<td>Electronic Commerce</td>
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<td>Entrepreneurship</td>
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<td>International Marketing</td>
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<td>Marketing, Merchandising, and Parts Operations</td>
<td>0252040902</td>
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<td>Marketing, Merchandising, and Parts Operations 1</td>
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<td>Marketing, Merchandising, and Parts Operations 2</td>
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<td>Practical Entrepreneurship Skills</td>
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<td>Real Estate Broker</td>
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<tr>
<td>Sport, Recreation, and Entertainment Marketing</td>
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<td>M899400</td>
<td>NA</td>
<td><strong>Program has been deleted</strong> and is no longer in inventory.</td>
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</table>
Previous Change & Historical Change Documents

CTE Program Resources

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http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml
Program Enrollment
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<th>Course</th>
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<td>Architectural Design &amp; Construction</td>
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<td>Architectural Drafting Secondary</td>
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<td>Architecture and Construction Cooperative Education - OJT</td>
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Architecture & Construction (slide 2)

Cabinetmaking 70
Cabinetmaking (NEW) 231
Carpentry 275
Carpentry - APPR 399
Carpentry (NEW) 1819
Carpentry 1 27
Carpentry 2 22
Civil Engineering Aide 129
Civil Engineering Technology 287
Commercial and Industrial Insulation - APPR 82
Construction Management Technology 239
Drafting - #4 2312
Drafting and Design Technology 438
Drafting Design CCC 149
Drafting PSAV 443
Electrician 151
Electrician - APPR - #3 4554
Electricity 1949
Elevator Constructor Mechanic - APPR 277
Fire Sprinkler System Technology 342
Fire Sprinkler System Technology - APPR 166
Fundamentals of Architecture and Construction 304
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<td>Industrial Pipefitter - APPR</td>
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<tr>
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<tr>
<td>Electrical Distribution Technology</td>
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<td>Electrical Line Service and Repair</td>
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<td>Energy Directed Study</td>
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<td>Energy Technician - #2</td>
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<td>Fundamentals of Energy - #4</td>
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<td>Introduction to Energy - #1</td>
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<td>Introduction to Energy and Career Planning</td>
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<td>Solar Energy Technology</td>
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<td>Solar Photovoltaic System Design, Installation and Maintenance - Entry Level</td>
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<td>Solar Thermal System Design, Installation and Maintenance - Entry Level</td>
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<td>Marketing, Management and Entrepreneurial Principles Secondary - #1</td>
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<td>Orientation to Marketing Occupations</td>
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<td>Practical Entrepreneurship Skills</td>
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</tbody>
</table>
New Career Cluster Infographics *

Architecture & Construction

Energy

Marketing, Sales & Service

* - Based on 2017-2018 District Data Reported
Architecture & Construction

The Architecture and Construction Career Cluster prepares students for careers in designing, planning, managing, building and maintaining the built environment. Examples of careers include drafters, electricians, construction managers and plumbers.

19,335 enrollments in High School programs

+ 1,599 enrollments in Middle School programs

= 20,934

Top Certifications Earned by K-12 Students

- Autodesk Certified User - AutoCAD
- Autodesk Certified User - Inventor
- NCCER Electrical Level 1
- NCCER Carpentry Level 1
- Autodesk Certified User - Revit Architecture

Articulation Pathway to College

- Autodesk Certified User - Revit Architecture (ADESTK008)
- Articulates 3 credits
- Building Construction Technology A.S. Degree
- $320.52 in State College Tuition Savings

Top High School Programs

- Building Trades/Construction (11,765)
- Drafting (2,312)
- Carpentry (1,819)
- Architectural Drafting Secondary (1,020)
- Electricity (649)
Energy

The Energy Career Cluster programs prepare students for careers in planning, managing and providing technical support services related to generation, transmission and distribution of various types of energy. Examples of careers include technicians, lineworkers, pipelayers and welders.

2017-18

490 enrollments in High School programs

358 District Postsecondary Enrollments

664 enrollments in Middle School programs

29% Certificate

71% Apprenticeship

5 Districts

Top Postsecondary Programs

Electrical Line Service and Repair Appren. (254)


Top High School Programs

Energy Technician (368)

Energy Generation Technician (63)

Solar Energy Technology (51)

Top Certification Earned by K-12 Students

NCCER Electrical Level 1

$320.52 in State College Tuition Savings

Notes: Based on 2016-17 data. Postsecondary enrollment is limited to district programs and includes dual enrollment students.
Marketing, Sales & Service

The Marketing, Sales and Service Career Cluster consists of five pathways: marketing management; professional sales; merchandising; marketing communications and marketing research. Students in high school and postsecondary programs are preparing for careers in planning, managing and performing marketing activities to reach organizational objectives. Some examples of careers include customer service representatives, store managers and public relations managers.

21,558 enrollments in High School programs

+ 659 enrollments in Middle School programs

= 22,217

Top High School Programs

Marketing, Management and Entrepreneurial Principles (6,198)
Entrepreneurship (5,010)
Sport, Recreation, and Entertainment Marketing (4,346)
Customer Service Representative (2,448)
Fashion Marketing (1,007)

Top Certifications Earned by K-12 Students

- Microsoft Office Specialist (MOS) Bundle
- Adobe Certified Associate (ACA) - InDesign
- Adobe Certified Associate (ACA) - Illustrator
- Adobe Certified Associate (ACA) - Photoshop
- Certified Internet Web (CIW) Internet Business Associate

Sample of Local Articulation Pathway to College

Entrepreneurship Program
Articulates 3 credits
Marketing Management A.S. Degree
$320.52 in State College Tuition Savings

*Articulation in this career cluster varies by local institution.

Notes: Based on 2017-18 data. Postsecondary enrollment is limited to district programs and includes dual enrollment students. Enrollment outlook is based on the 2016-19 Statewide Demand Occupations List.
CTE Brochure


Florida’s Career Clusters and Program Examples

Agriculture, Food & Natural Resources
  Agritechnology, Veterinary Assisting, Horticulture
Architecture & Construction
  Building Trades, Carpentry, Drafting, Electricity/Electrician
Arts, A/V Technology & Communication
  Digital Design, Television Production
Education & Training
  Early Childhood Education, Principles of Teaching
Energy
  Energy Technician, Solar Energy, Electrical Lineworker
Engineering & Technology Education
  Applied Robotics, Engineering Pathways
Manufacturing
  Automation and Production Technology, Aerospace Technology
Marketing, Sales & Service
  Entrepreneurship, Marketing Management, Customer Service
Transportation, Distribution & Logistics
  Aircraft/Airframe Mechanics, Automotive Service Technology
Career and Technical Education

The Office of Career and Technical Education (CTE) manages programs for middle school, high school, district technical school and Florida College System students throughout Florida. Each career preparatory program is reviewed by career-specific business and industry members on a three-year cycle to ensure the program remains relevant in today's market.

Florida's Fastest Growing Occupations Require CTE

Half of the 50 fastest-growing occupations in Florida require a postsecondary career certificate or associate degree. Examples of these careers include the following:

- Medical Assistants
- Financial Managers
- Tile/Marble Setters
- Dental Hygienists
- Veterinary Technicians
- Roofers
- Software Developers
- Diagnostic Medical Sonographers
- Physical Therapist Assistants
- Structural Iron and Steel Workers

Level of Education Required for Florida's 50 Fastest-Growing Occupations

- Bachelor's 16%
- Associate 14%
- Career Certificate 36%
- High School or Less 20%
- Master's + 24%

Reasons to Consider CTE

CTE is a cost-effective way for students to start a career in as little as one or two years of school!

High School

- CTE courses contain rigorous academic curriculum and performance standards and may be designated Level 3, the same as honors courses.
- Some courses count toward science, practical arts or economics credits required for high school graduation.
- Many CTE students earn industry certifications, which make them more employable.
- Industry certifications may be used to earn college credits and meet requirements for high school graduation.
- Students who take at least three courses in a program may be eligible for the Florida Gold Seal Vocational Scholars Award.

Career Certificates

- Students may earn college credits for industry certifications and/or completing certain career certificate programs.
- Many district career centers offer certificate programs that may be completed in as little as one year.

Colleges and Universities

- Through articulation agreements, students may save money on tuition for associate degrees in the Florida College System.
- Industry certifications may make students more competitive for job openings.
- Many students apply knowledge and skills learned in CTE programs to bachelor's and master's degrees.

All CTE Students

- Students participate in Career and Technical Student Organizations through which they develop valuable leadership skills and participate in competitions at the regional, state and national level.

Please visit our website for more information!

www.fldoe.org/academics/career-adult-edu

Source: Florida Department of Economic Opportunity (2018-2026) www.floridajobs.org/lmsc/ep

Photos courtesy of Florida SkillsUSA, Palm Beach State College, Valencia College and FSPA.
CAPE Updates 2019-20

• CAPE Industry Certification Funding List Updates
• Career-Themed Courses & CAPE Funding List
• Test Administration
Current CAPE Industry Cert. Funding List: 2019-20 School Year

CTE Program Resources

Curriculum Framework Development and Revision Resources

- CTE Course Level 3 Rubric (PDF)
- Florida Standards & Benchmarks Design Guide (RTF)
- Florida Standards for Technical Subjects (RTF) New
- New Program Request Forms
  *Please note that these forms are categorized by education level. A completed form must be submitted for each new program being requested.
  - New Program Request Form: Secondary (PDF)
  - New Program Request Form: Clock Hour (PDF)
  - New Program Request Form: College Credit (PDF)

Program Planning

- Alphabetical List of 2019-20 Secondary/Career Certificate CTE Programs (RTF)
- Alphabetical List of 2019-20 AS/AAS/CCC/ATD Programs (RTF)
- Alphabetical List of 2018-19 Secondary/PSAV Programs (RTF)
- Alphabetical List of 2018-19 AS/AAS/CCC/ATD Programs (RTF)
- Apprenticeship Programs - 2019-2020 (RTF)
- Apprenticeship Programs - 2018-2019 (RTF)
- CAPE Industry Certification Funding List (Current)
- CAPE Postsecondary Industry Certification Funding List (Current)
- Carl D. Perkins Technical Skill Attainment (TSA) Inventory
- Historical Change Document - CTE (Excel)
- Change Document - CTE 2019-20 (RTF)
- Change Document - CTE 2018-19 (RTF)
- Cooperative Education Manual
- Course Code Directory
- CTE Courses that Fulfill the Graduation Designation for Economics, Equally Rigorous Science and Practical Arts 2019-20

http://fldoe.org/academics/career-adult-edu/cape-secondary/cape-industry-cert-funding-list-current.stml
CAPE Industry Cert. Funding List
2019-20: 17 New Certifications

<table>
<thead>
<tr>
<th>DOE Code</th>
<th>Certification Title</th>
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<tbody>
<tr>
<td>ADESK032</td>
<td>Autodesk Certified User - Fusion 360</td>
</tr>
<tr>
<td>APPLE021</td>
<td>Apple App Development with Swift Certification Level 1</td>
</tr>
<tr>
<td>AWELD003</td>
<td>AWS Certified Welder - FCAW Plate</td>
</tr>
<tr>
<td>AWELD004</td>
<td>AWS Certified Welder - GMAW Plate</td>
</tr>
<tr>
<td>AWELD011</td>
<td>AWS Certified Welder - SMAW Pipe</td>
</tr>
<tr>
<td>AWELD012</td>
<td>AWS Certified Welder - SMAW Plate</td>
</tr>
<tr>
<td>COMPT018</td>
<td>CompTIA IT Fundamentals+</td>
</tr>
<tr>
<td>FNGLA003</td>
<td>Certified Landscape Maintenance Technician</td>
</tr>
<tr>
<td>FNGLA004</td>
<td>Certified Landscape Technician</td>
</tr>
<tr>
<td>ICOEC005</td>
<td>EC-Council Cyber Forensics Associate</td>
</tr>
<tr>
<td>ICOEC006</td>
<td>EC-Council Ethical Hacker Associate</td>
</tr>
<tr>
<td>LINPI001</td>
<td>Linux Essentials 010</td>
</tr>
<tr>
<td>MICRO112</td>
<td>Microsoft Technology Associate (MTA) – Intro. to Programming Using Python</td>
</tr>
<tr>
<td>MICRO113</td>
<td>Microsoft Technology Associate (MTA) - Cloud Fundamentals</td>
</tr>
<tr>
<td>MICRO114</td>
<td>Microsoft Technology Associate (MTA) – Intro. to Programming Using Java</td>
</tr>
<tr>
<td>MICRO115</td>
<td>Microsoft Technology Associate (MTA) - Windows Server Administration Fundamentals</td>
</tr>
<tr>
<td>SALES001</td>
<td>Salesforce Certified Administrator</td>
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CAPE FTE Weight Changes (0.1 to 0.2) due to Articulation Agreements

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<tr>
<td>AMAMA001</td>
<td>Certified Medical Assistant (CMA)</td>
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<tr>
<td>COMPT007</td>
<td>CompTIA Project+</td>
</tr>
<tr>
<td>COMPT008</td>
<td>CompTIA Security+</td>
</tr>
<tr>
<td>COMPT009</td>
<td>CompTIA Server+</td>
</tr>
<tr>
<td>CPREC001</td>
<td>Child Development Associate (CDA)</td>
</tr>
<tr>
<td>FNGLA001</td>
<td>Certified Horticulture Professional</td>
</tr>
<tr>
<td>INTUT001</td>
<td>Quickbooks Certified User</td>
</tr>
<tr>
<td>MICRO017</td>
<td>Microsoft Office Specialist Master</td>
</tr>
<tr>
<td>MICRO069</td>
<td>Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)</td>
</tr>
<tr>
<td>MICRO104</td>
<td>Introduction to Programming using Javascript</td>
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<tr>
<td>MICRO106</td>
<td>Microsoft Certified Solutions Associate, For Windows Server 2016</td>
</tr>
<tr>
<td>ORACL001</td>
<td>Oracle Certified Associate (OCA): Database</td>
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<tr>
<td>ORACL004</td>
<td>Oracle Certified Associate (OCA): Java Programmer</td>
</tr>
<tr>
<td>PROSO003</td>
<td>Certified Internet Web (CIW) E-Commerce Specialist</td>
</tr>
<tr>
<td>PROSO017</td>
<td>Certified Internet Web (CIW) JavaScript Specialist</td>
</tr>
<tr>
<td>TAFLP001</td>
<td>Accredited Legal Professional (ALP)</td>
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Articulation Agreements

The complete list of Active Statewide Gold Standard Articulation Agreements can be found at:

http://fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml

### Architecture & Construction

- Certified Survey Technician (CST) (ACOSM001) to Civil Engineering Technology A.S. Degree (PDF)
- Autodesk Certified User - AutoCAD (ADESK002) to Architectural Design & Construction Technology A.S. Degree (PDF)
- Autodesk Certified User - AutoCAD (ADESK002) to Drafting and Design Technology A.S. Degree (PDF)
- Autodesk Certified User - Revit Architecture (ADESK008) to Architectural Design & Construction Technology A.S. Degree (PDF)
- Autodesk Certified User - Revit Architecture (ADESK008) to Building Construction Technology A.S. Degree (PDF)
- Autodesk Certified User - Revit Architecture (ADESK008) to Drafting and Design Technology A.S. Degree (PDF)
- Autodesk Certified Professional - AutoCAD (ADESK021) to Drafting and Design Technology A.S. Degree (PDF)
- Autodesk Certified Professional - AutoCAD Civil 3D (ADESK023) to Civil Engineering Technology A.S. Degree (PDF)
- Autodesk Certified Professional - Revit Architecture (ADESK025) to Architectural Design & Construction Technology A.S. Degree (PDF)
- Certified Apprentice Drafter - Architectural (AMDDA002) to Architectural Design & Construction Technology A.S. Degree

- No agreements currently in place for **Energy**
- No agreements currently in place for **Marketing**
Currently, there are 15 digital tool certificates on the list.

<table>
<thead>
<tr>
<th>DOE Code</th>
<th>Certification Title</th>
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<tbody>
<tr>
<td>ADESK032</td>
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<td>APPLE021</td>
<td>Apple App Development with Swift Certification Level 1</td>
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<td>COMPT018</td>
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</tr>
<tr>
<td>MICRO114</td>
<td>Microsoft Technology Associate (MTA) - Introduction to Programming Using Java</td>
</tr>
</tbody>
</table>
Florida Statutes now allow for a maximum of 30 digital tool certificates to be included on the CAPE Industry Certification Funding List.

- FL DOE has issued a Request for Proposal to select up to 15 additional certificates.
- RFP closes July 25th
Current CAPE Industry Certification Funding List 2020-21 Updates

• New CareerSource Application for 2020-21
• Industry Certifications added prior to the 2019-20 year will need to be resubmitted.*
  • *Excluding industry certifications for farm occupations – FDOE will consult with FDACS.
• The goal of this effort is to ensure that all industry certifications on the list meet the requirements as specified in law.
• Link to CareerSource Application: https://careersourceflorida.com/cape
Teacher Requirements for Career-Themed Courses (for CAPE funds)

- **What is a career-themed course?**
  - A course, or series of courses, that leads to an industry certification on the CAPE Industry Certification Funding List.
  - Registration of career-themed courses is required for funding of industry certifications.
To teach a Career-Themed Course, the Teacher Needs:

1. The appropriate teacher certification for the course, **AND**
2. The Industry Certification
How to Determine Teacher Requirements

- Look at the **curriculum framework** for the program or the **Course Code Directory** to see teacher certifications listed by course.
- Look up the teacher certification codes in the **CTE Teacher Certifications** document.
- Make sure the teacher meets all of the requirements listed for the specific teacher certification.
Most district-issued teacher certifications contain this statement:

“Applicants must have documentation of industry certification when state or national industry certifications are available and applicable.”

**ALL** teachers of Career-Themed Courses must hold the industry certification (or a higher-level version) that the students are expected to earn.
Test Administration

How to deliver industry certification tests in accordance with the law!
Requirements for Delivery of Industry Cert. Exams & Reporting of Data

• All industry certifications reported must comply with Rule 6A-6.0573, (16),(17), F.A.C., which includes:

  • Teachers may not proctor certification exams for subjects they teach.
  • Exam questions are delivered in a secure manner.
  • The exam is scored by certifying agency or vendor, not a school district employee.
  • A student cannot be given an exam more than 3 times during the academic year. There must be a minimum of 20 calendar days between test administrations.
• School districts shall create and maintain local test administration procedures for the administration of all industry certification exams.

• Teachers, proctors, and monitors for industry certification exams **MUST SIGN ANNUALLY,** Form FCAPEA-04, Florida CAPE Act Industry Certification Test Administration and Security Agreement.

• Form **FCAPEA-04** can be found under the resources CAPE secondary page: [http://www.fldoe.org/core/fileparse.php/8904/urlt/form-FCAPEA-04.pdf](http://www.fldoe.org/core/fileparse.php/8904/urlt/form-FCAPEA-04.pdf)

• The complete rule document can be found at: [https://www.flrules.org/gateway/ruleNo.asp?id=6A-6.0573](https://www.flrules.org/gateway/ruleNo.asp?id=6A-6.0573)
Form FCAPEA-04, FL CAPE Act Industry Cert. Test Administration and Security Agreement

• Teachers, proctors, and monitors for industry certification exams attest the following:

• They have reviewed all test administration and security procedures outlined in Rule 6A-6.0573 F.A.C.

• They will not reveal or disclose any information about the test items or engage in any acts that would violate the security of industry certification exams or cause student achievement to be inaccurately represented.
What happens when Test Administration Procedures are not followed?

• The district is required to report to FDOE within 5 days of the incident.

• Someone may lose a job.

• Someone may not get a bonus.

• The district will not be able to report for bonus FTE funding or for any other purpose.

• Testing may be suspended in the school and/or the district.

• Certification Agency may have to rewrite test questions.

• Students lose! (so make sure all procedures are followed)
Instructional Materials Adoption
Instructional Materials Webpage

http://www.fldoe.org/academics/standards/instructional-materials

Instructional Materials

General Information

- Policies and Procedures Specifications for the Florida Instructional Materials Adoption (PDF)
- Florida Technology Specifications Guidelines (PDF)
- Adoption Cycle (Updated February 2019) (PDF)
- 2018 Instructional Materials Statutes (PDF)
- State of Florida Vendor Website for Substitute Form W-9. All vendors are required to complete a Substitute Form W-9 online.
- Standards Review for information regarding the standards review process in response to Executive Order 19-32

Instructional Materials Reviewer Evaluation

- Online Evaluation System - This is the new instructional materials adoption portal. Please replace any bookmarks that you may have of the old portal link with the new one for current and future adoptions. This is a secure site. Access requires registration and permission from the Florida Department of Education. This site provides electronic access for the review and evaluation of instructional materials submitted for adoption. Please direct any questions regarding the online evaluation system to the Office of Instructional Materials at imstaff@fldoe.org.
- State Instructional Materials Reviewer Affidavit
- State of Florida Vendor Website - All State Expert Reviewers are required to complete an online Substitute Form W-9.
- Stipend Justification Form
<table>
<thead>
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<th>Adoption Year</th>
<th>Subject Area</th>
<th>Specifications and Criteria Available</th>
<th>State Adoption Process</th>
<th>Effective Date of Contract April 1-March 31</th>
<th>Current Contracts Expire March 31</th>
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<tbody>
<tr>
<td></td>
<td>Career and Technical Education, 6-12</td>
<td></td>
<td></td>
<td></td>
<td>2021</td>
</tr>
<tr>
<td>2020-2021</td>
<td>English Language Arts, K-12</td>
<td>April 2020 (based on new standards approval)</td>
<td>April 2020-2021</td>
<td>2021*-2026</td>
<td>2020 (contract extension anticipated)</td>
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<tr>
<td>2022-2023</td>
<td>Social Studies, K-12</td>
<td>Nov. 2021</td>
<td>April 2022-2023</td>
<td>2023*-2028</td>
<td>2022 (contract extension)</td>
</tr>
<tr>
<td>2023-2024</td>
<td>Science, K-12</td>
<td>Nov. 2022</td>
<td>April 2023-2024</td>
<td>2024*-2029</td>
<td>2023 (contract extension)</td>
</tr>
</tbody>
</table>
## Instructional Materials Review

### 2019-2020 Instructional Materials Adoption Announcement Course Call List

**Table 3 CTE:**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Grade Level</th>
<th>Course Name</th>
<th>Course Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>8106820</td>
<td>9-12</td>
<td>Agritechnology 1</td>
<td>2015 and beyond</td>
</tr>
<tr>
<td>8111510</td>
<td>9-12</td>
<td>Veterinary Assisting 1</td>
<td>2015 and beyond</td>
</tr>
<tr>
<td>8722010</td>
<td>9-12</td>
<td>Building Trades and Construction Design Technology 1</td>
<td>2015 and beyond</td>
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<td>9-12</td>
<td>Accounting Applications 1</td>
<td>2015 and beyond</td>
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Instructional Materials Webpage

http://www.fldoe.org/academics/standards/instructional-materials

Instructional Materials Reviewer Evaluation

- Online Evaluation System - This is the new instructional materials adoption portal. Please replace any bookmarks that you may have of the old portal link with the new one for current and future adoptions. This is a secure site. Access requires registration and permission from the Florida Department of Education. This site provides electronic access for the review and evaluation of instructional materials submitted for adoption. Please direct any questions regarding the online evaluation system to the Office of Instructional Materials at imstaff@fldoe.org.
- State Instructional Materials Reviewer Affidavit
- State of Florida Vendor Website - All State Expert Reviewers are required to complete an online Substitute Form W-9.
- Stipend Justification Form

2019-2020 Adoption Year: (World Languages, Career & Technical Education (CTE) and Computer Science)

- 2019-2020 Detailed Bid Reports By Category
  - K-12 World Languages (PDF)
  - K-12 Computer Science (PDF)
  - 9-12 Career & Technical Education (PDF)
- Florida Instructional Materials Adoption Portal
- Enrollment data for World Languages, CTE, and Computer Science Courses (PDF)
- 2019-2020 Instructional Materials Publisher Contact List (PDF)
- 2019-2020 Instructional Materials Adoption WL, CTE, CS Publisher Checklist (PDF)
- Policies and Procedures Specifications for the Florida 2019-2020 Instructional Materials Adoption (PDF)
- 2019-2020 Instructional Materials Adoption Announcement Course Call List (PDF)
- 2019-2020 Instructional Materials Adoption Specifications (PDF)
CTE Reviewers Needed in August 2019!

- Call for Reviewers is posted on Instructional Material website, under 2019-20 Adoption Year
- **$330 Stipend** payment for all completed reviews!
- All interested reviewers must register on the FDOE Reviewer Portal (state review process is entirely online)
  - To register all fields must be completed, including:
    - Personal information
    - Employer
    - Education
    - Experience
    - Affiliations
    - Areas of Specialization

Questions? Contact:
Cathy Seeds
Director, Library Media & Instructional Materials
Cathy.Seeds@fldoe.org
850-245-0903

IM Website:
http://www.fldoe.org/academics/standards/instructional-materials
Legislative Update
Charting a Course for Florida to be #1 in the Nation in Workforce Education by 2030
Executive Order #19-31

Student Advising (Section 16)-

- Requires in-person academic advising of students deemed to be potential dropouts or whose GPA average drops below 2.0 (requirement is now part of the CAPE section of law)

Survey on Program Quality Indicators is live: https://www.research.net/r/FloridaCTEAuditSurvey
NOTE: Please complete the survey by Monday July 22, 2019

For implementation updates please visit: http://fldoe.org/careerpathways/index.stml
Overview of HB 7071 – An Act relating to Workforce Education

Student Transportation (Section 22)
- Adds a provision permitting District school boards to regularly use motor vehicles other than school buses when the transportation is for trips to and from school sites to allow students to participate in a career education program that is not offered at the high school in which such students are enrolled but is not for customary transportation between a student's residence and such sites.

Career Pathways Agreements (Section 24)
- Requires each school district career center and Florida College System institution with overlapping service areas develop regional career pathways agreements for career certificate programs that are aligned with an associate’s degree.
Miscellaneous
Get to Know Your State Supervisors

Anne Nyman
- Education & Training
- Finance
- Hospitality & Tourism

Pamela Gilman
- Health Science
- Human Services

Elizabeth Billingsley
- Business
- Information & Technology
Get to Know Your State Supervisors

Melissa Tomlin
• Law, Public Safety & Security
• Arts, A/V Technology & Communication

Robert “Bob” Blevins
• Engineering & Technology Education
• Manufacturing
• Transportation, Distribution & Logistic

Kaitlin Vickers
• Agriculture, Food & Natural Resources
• Diversified Ed.
• Government & Public Administration
Get to Know Your State Supervisors

David Mueller
- Architecture & Construction
- Energy
- Marketing, Sales & Service

Josue Colorado
- Program Specialist
- Jack of All Trades

Eric Owens
- CTE Program Director

Jennifer Johnson
- Staff Administrative Assistant
Career & Technical Student Organizations

http://www.fldeca.org/

http://www.skillsusafl.org/

www.floridafbla-pbl.com
A statement identifying the specific CTSO that each program correlates to is found in all frameworks. This is important so that our organizations remain inter-curricular.

**Laboratory Activities**

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error, and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

**Extended Student Supervision**

Because of the production and marketing cycle of the agriculture industry, this program requires individual instruction and supervision of students for the entire period beyond the 180-day school year.

**Career and Technical Student Organization (CTSO)**

FFA is the intercurricular career and technical student organization providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

**Cooperative Training – OJT**

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

**Accommodations**

Federal and state legislation requires the provision of accommodations for students with disabilities as identified on the secondary student’s Individual Educational Plan (IEP) or 504 plan or postsecondary student’s accommodations’ plan to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary education. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

In addition to accommodations, some secondary students with disabilities (students with an IEP served in Exceptional Student Education (ESE)) will be served in Florida’s Postsecondary Education for Students with Disabilities (PSE) program. Students in PSE have higher academic attendance and achievement expectations than their students in 504 plans. All students with disabilities participate in the PSE program plan. All curriculum and additional accommodations and supports are provided in this program.
THANK YOU!!!

For sharing your passion,
For shaping the future generation,
For showing lost kids the way,
For making sacrifices,
For taking up this selfless profession,
For loving children,
For helping parents,
For caring,
For advising,
For educating today’s youth,
For being here!
Questions?

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Career and Technical Education
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Architecture & Construction; Energy;
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