

2019 Annual FACTE Conference



FL DOE CAREER CLUSTER UPDATES:

- * Architecture & Construction
- * Energy
- * Marketing, Sales & Service

State Supervisor, David Mueller



FL DOE Career Cluster Updates



Architecture & Construction



Energy



Marketing, Sales & Service

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

NEW

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.

2019 School Year Reviews

- 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 \(I460312\)](#)

Energy

Programs currently under review

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.shtml>

2019-2020 Change Document

CTE Program Resources

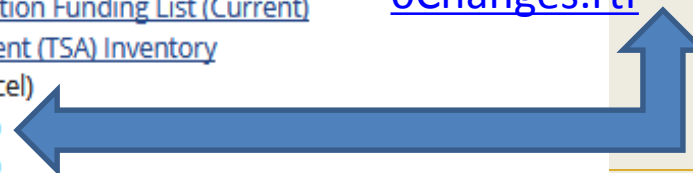
Curriculum Framework Development and Revision Resources

- [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 before a program is being requested.*
 - [New Program Request Form: Secondary](#) (PDF)
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Program Planning

- [Alphabetical List of 2019-20 Secondary/Career Certificate CTE Programs](#) (RTF)
- [Alphabetical List of 2019-20 AS/AAS/CCC/ATD Programs](#) (RTF)
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- [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](#)

<http://fldoe.org/core/fileparse.php/5652/urlt/1920Changes.rtf>



Architecture & Construction Changes - P. 1

Program/Course Title	CIP #	Secondary #	Career Certificate #	AS / CCC Program	Change
New Programs					
Computer-Aided Drawing and Modeling	0615130113	NA	C100300	NA	<p>New Career Certificate program. Course structure as follows:</p> <p><u>OCP A</u> CAD & Modeling I (TDR0301) (450 Hours)</p> <p><u>OCP B</u> CAD & Modeling II (TDR0302) (450 Hours)</p> <p><u>OCP C</u> Building Information Modeling CAD Technician (TDR0303) (300 Hours)</p> <p>-OR-</p> <p>Civil/Geographic Information Systems CAD Technician (TDR0306) (300 Hours)</p> <p>-OR-</p> <p>Mechanical CAD Technician (TDR0305) (300 Hours)</p>
Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R)	0615050110	NA	C400400	NA	<p>New re-structured program to replace Air-Conditioning, Refrigeration and Heating Technology (1470203). Course structure as follows:</p> <p><u>OCP A</u> Introduction to HVAC/R (ACR0000) (250 Hours)</p> <p><u>OCP B</u> HVAC/R Fundamentals (ACR0001) (250 Hours)</p> <p><u>OCP C</u></p>

Architecture & Construction Changes - P. 2

Program/Course Title	CIP #	Secondary #	Career Certificate #	AS / CCC Program	Change
					HVAC/R Service Practices (ACR0012) (250 Hours) <u>OCP D</u> HVAC/R Intermediate Service Practices (ACR0013) (250 Hours) <u>OCP E</u> HVAC/R Advanced Service Practices (formerly 'Air-Conditioning, Refrigeration and Heating Technician') (ACR0044) (350 Hours) -OR- HVAC/R Advanced Commercial and Industrial Service Practices (formerly 'Refrigeration Mechanic') (ACR0045) (350 Hours)
Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 1	0615050111	NA	C400410	NA	New re-structured program to replace Air-Conditioning, Refrigeration and Heating Technology 1 (C400100). Course structure as follows: <u>OCP A</u> Introduction to HVAC/R (ACR0000) (250 Hours) <u>OCP B</u> HVAC/R Fundamentals (ACR0001) (250 Hours) <u>OCP C</u> HVAC/R Service Practices (ACR0012) (250 Hours)
Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 2	0615050112	NA	C400420	NA	New re-structured program to replace Air-Conditioning, Refrigeration and Heating Technology 2 (C400200). Course structure as follows:

Architecture & Construction Changes - P. 3

Program/Course Title	CIP #	Secondary #	Career Certificate #	AS / CCC Program	Change
					<p>OCP A HVAC/R Intermediate Service Practices (ACR0013) (250 Hours)</p> <p>OCP B HVAC/R Advanced Service Practices (formerly 'Air-Conditioning, Refrigeration and Heating Technician') (ACR00044) (350 Hours)</p> <p>-OR- HVAC/R Advanced Commercial and Industrial Service Practices (formerly 'Refrigeration Mechanic') (ACR0045) (350 Hours)</p>
Changed Programs/Courses					
'Air-Conditioning, Refrigeration and Heating Technician' course	0647020106	NA	ACR0044	NA	Course name daggered for change to 'HVAC/R Advanced Service Practices'.
'Refrigeration Mechanic' course	0647020106	N/A	ACR0045	N/A	Course name daggered for change to 'HVAC/R Advanced Commercial and Industrial Service Practices'.
Daggered/Deleted Programs					
Air-Conditioning, Refrigeration and Heating Technology	0647020106	NA	I470203	NA	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 by Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) - C400400.
Air-Conditioning, Refrigeration and Heating Technology 1	0647020107	NA	C400100	NA	Program daggered for deletion as part of the review process. Last year for new enrollment is 2019-20. Program will remain

Architecture & Construction Changes - P. 4

Program/Course Title	CIP #	Secondary #	Career Certificate #	AS / CCC Program	Change
					in inventory for teach-out with 2021-22 as projected year of deletion. Program replaced by Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) Part 1 - C400410.
Air-Conditioning, Refrigeration and Heating Technology 2	0647020108	NA	C400200	NA	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 by Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) Part 2 - C400420.
Building Construction Technology	1615100101	NA	NA	AS	Program has been deleted and is no longer in inventory.
Cabinetmaking	0648070302	NA	I480704	NA	Program has been deleted and is no longer in inventory.
Construction Management Technology	1646041200	NA	NA	AS	Program has been deleted and is no longer in inventory.
Changes Pending for 2020-2021					
None					

Energy Program Changes

Program/Course Title	CIP #	Secondary #	Career Certificate #	AS / CCC Program	Change
New Programs					
Electrical <u>Lineworker</u>	0646030302	NA	X100100	NA	New program to replace the Electrical Line Service and Repair program (1460303). Course structure as follows: <u>OCP A</u> Electrical <u>Lineworker 1</u> (course # BCV0666) (540 Hours) <u>OCP B</u> Electrical <u>Lineworker 2</u> (course # BCV0668) (540 Hours) <u>OCP C</u> Electrical <u>Lineworker 3</u> (course # BCV0669) (420 Hours)
Electrical Utility <u>Lineworker Fundamentals</u>	0646030105	NA	NA	CCC	New CCC program for Electrical Distribution Technology under 0646030104.
Changed Programs/Courses					
None					
Daggered/Deleted Programs					
Electrical Distribution Technology Advanced	0646030102	NA	NA	CCC	Program has been deleted and is no longer in inventory.
Electrical Line Service and Repair	0646030300	NA	1460303	NA	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 <u>Electrical Lineworker</u> . (X100100)

Marketing, Sales & Service Changes

Program/Course Title	CIP #	Secondary #	Career Certificate #	AS / CCC Program	Change
New Programs/Courses					
None					
Changed Programs/Courses					
None					
Daggered/Deleted Programs					
Customer Service Representative	0252041100	NA	M807060	NA	Program has been deleted and is no longer in inventory.
E-Commerce Marketing	0252020802	NA	M899992	NA	Program has been deleted and is no longer in inventory.
Electronic Commerce	0252020801	NA	NA	CCC	Program has been deleted and is no longer in inventory.
Entrepreneurship	0252070102	NA	M803010	NA	Program has been deleted and is no longer in inventory.
International Marketing	0252140101	NA	M807030	NA	Program has been deleted and is no longer in inventory.
Marketing, Merchandising, and Parts Operations	0252040902	8809100	M812031	NA	Program has been deleted and is no longer in inventory.
Marketing, Merchandising, and Parts Operations 1	0252040903	NA	M700100	NA	Program has been deleted and is no longer in inventory.
Marketing, Merchandising, and Parts Operations 2	0252040904	NA	M700200	NA	Program has been deleted and is no longer in inventory.
Practical Entrepreneurship Skills	02080301PA	8800310	NA	NA	Program has been deleted and is no longer in inventory.
Real Estate Broker	0252150106	NA	M807020	NA	Program has been deleted and is no longer in inventory.
Sport, Recreation, and Entertainment Marketing	0252191005	NA	M899400	NA	Program has been deleted and is no longer in inventory.

Previous Change & Historical Change Documents

CTE Program Resources

Curriculum Framework Development and Revision Resources

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- [Cooperative Education Manual](#)

Program Enrollment

Architecture & Construction (slide 1)

Air Conditioning, Refrigeration & Heating Tech.	1147
Air Conditioning, Refrigeration and Heating Technology	1648
Air Conditioning, Refrigeration and Heating Technology 1	890
Air Conditioning, Refrigeration and Heating Technology 2	161
Air Conditioning, Refrigeration and Heating Technology - APPR	1003
Architectural Design & Construction	571
Architectural Drafting Secondary	1020
Architecture and Construction Cooperative Education - OJT	46
Architecture and Construction Education Directed Study	144
AutoCAD Foundations CCC	241
Brick and Block Masonry	136
Brick and Block Masonry - APPR	205
Building Construction Specialist	68
Building Construction Technology	528
Building Construction Technologies - #2	5372
Building Construction Technologies - APPR	51
Building Trades and Construction Design Tech.	30
Building Trades and Construction Design Technology - #1	6984

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

Architecture & Construction (slide 3)

Glazing - APPR	42
Industrial Pipefitter - APPR	277
Introduction to Architecture and Construction	1124
Introduction to Architecture and Construction and Career Planning	171
Painting and Decorating	97
Painting and Decorating - APPR	99
Plumbing Technology	245
Plumbing Technology - APPR	1502
Residential Air Conditioning,	15
Roadway Technician - APPR	14
Roofing - APPR	33
Structural Drafting Secondary	295
Structural Steel Work - APPR	338
Surveying and Mapping Technology - APPR	23
Sustainable Design CCC	16
Grand Total	39201

Energy Programs

Program_Title	Total
Alternative Energy Engineering	16
Electrical Distribution Technology	35
Electrical Distribution, Advanced	<10
Electrical Line Service and Repair	65
Electrical Line Service and Repair – APPR - #3	254
Electrical Power Technology	123
Electrical Utility Lineworker	27
Energy Directed Study	<10
Energy Generation Technician	63
Energy Technician - #2	381
Fundamentals of Energy - #4	176
Introduction to Energy - #1	409
Introduction to Energy and Career Planning	79
Solar Energy Technology	51
Solar Photovoltaic System Design, Installation and Maintenance - Entry Level	59
Solar Thermal System Design, Installation and Maintenance - Entry Level	<10
Turbine Generator Maintenance, Inspection and Repair	25
Grand Total	1785

Marketing, Sales & Service

Program_Title	Total
Business Ownership	672
Customer Service Representative - #4	2547
E-Commerce Marketing	682
Entrepreneurship - #2	5102
Exploration of Marketing Occupations	385
Fashion Marketing	1015
Fundamentals of Marketing Occupations	25
Industrial Distribution and Management/*Distribution and Logistics Management	80
International Marketing	307
Introduction to Marketing Sales and Service and Career Planning	223
Marketing Cooperative Education - OJT	720
Marketing Education Directed Study	192
Marketing, Management and Entrepreneurial Principles Secondary - #1	6323
Orientation to Marketing Occupations	26
Practical Entrepreneurship Skills	<10
Sport, Recreation, and Entertainment Marketing - #3	4472
Grand Total	22779

New Career Cluster Infographics *



Architecture & Construction



Energy



Marketing, Sales & Service

* - Based on 2017-2018 District Data Reported



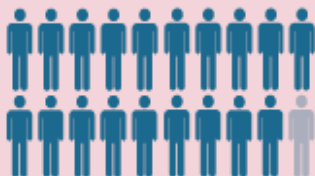
Architecture & Construction

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.

2017-18

19,335

enrollments in High School programs



+

1,599

enrollments in Middle School programs

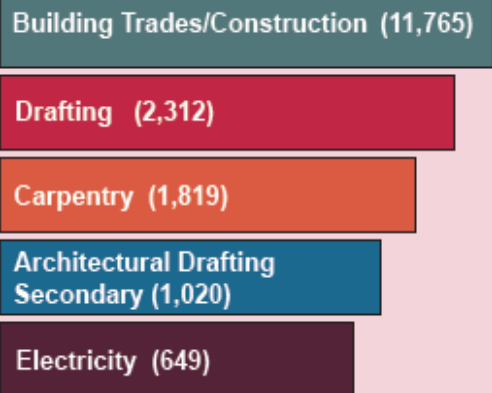


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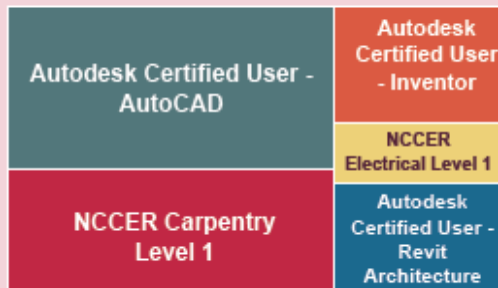
20,934

- 1,000

Top High School Programs



Top Certifications Earned by K-12 Students



Articulation Pathway to College

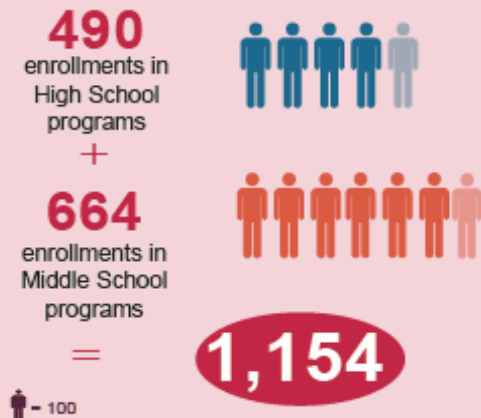




Energy

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



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

358 District Postsecondary Enrollments

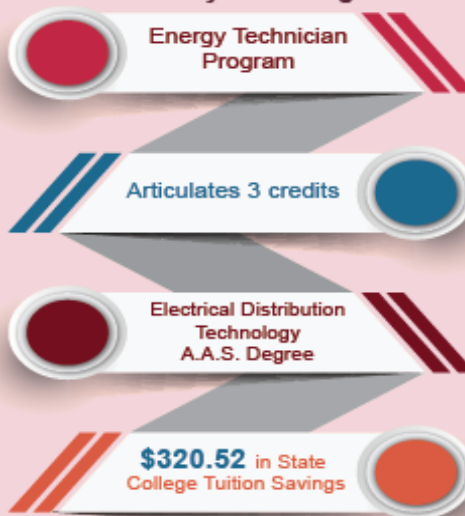


Top Postsecondary Programs

Electrical Line Service and Repair Appren. (254)

Solar Photovoltaic System Design, Installation & Maintenance (59)

Sample of Local Articulation Pathway to College



*Articulation in this career cluster varies per local institution.



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.

2017-18

21,558
enrollments in High School programs



+

659
enrollments in Middle School programs

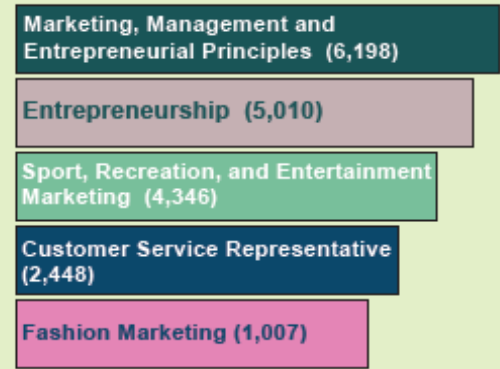


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22,217

1 - 1,000

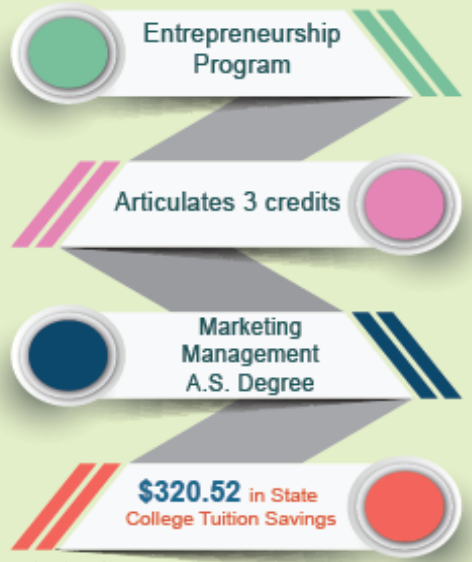
Top High School Programs



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



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CTE Brochure

<http://www.fldoe.org/core/fileparse.php/5652/urlt/CTE-brochure-online.pdf>

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

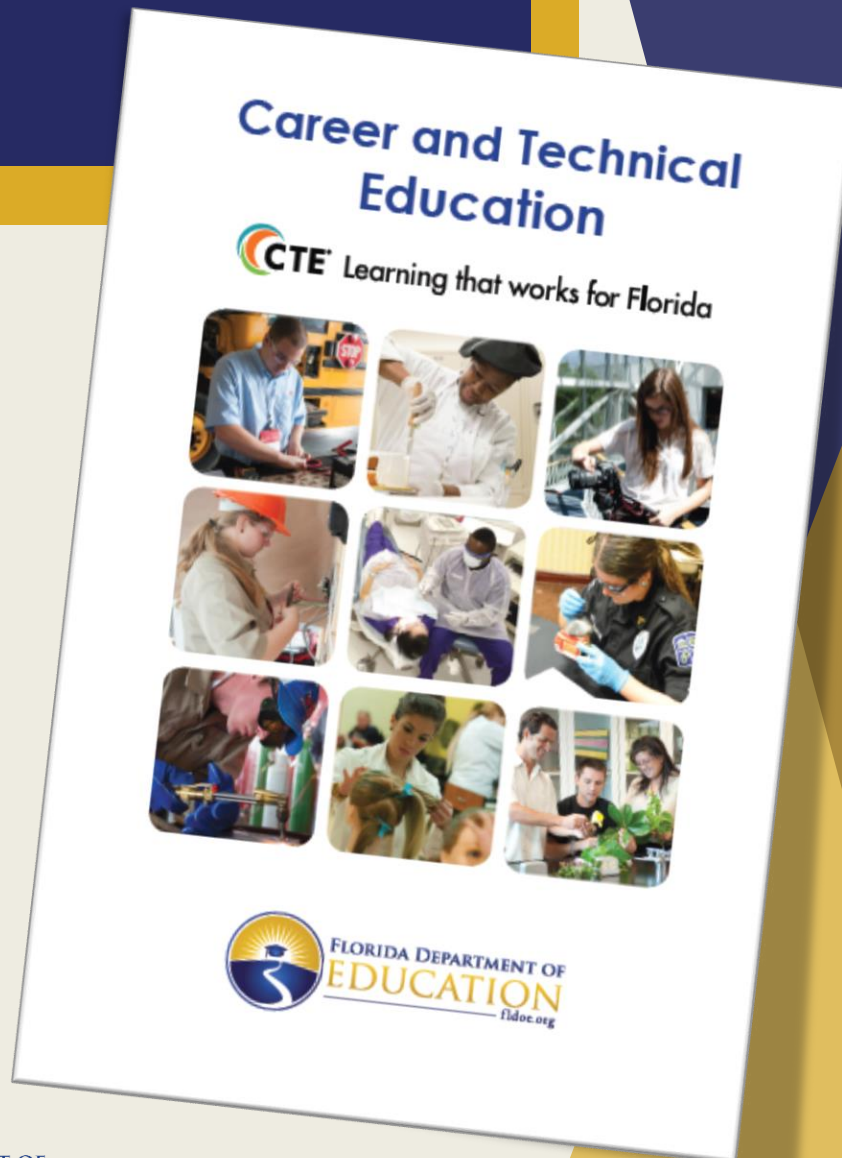
Automation and Production Technology, Aerospace Technology

Marketing, Sales & Service

Entrepreneurship, Marketing Management, Customer Service

Transportation, Distribution & Logistics

Aircraft/Airframe Mechanics, Automotive Service Technology



Career and Technical Education

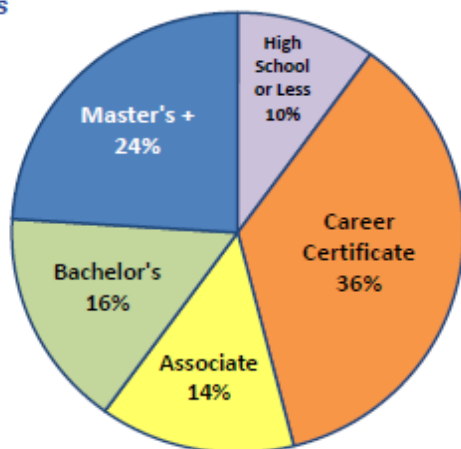
The Office of Career and Technical Education (CTE) manages programs for middle school, high school, district technical school and Florida College System students throughout Florida. Each career preparatory program is reviewed by career-specific business and industry members on a three-year cycle to ensure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



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

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

Photos courtesy of Florida SkillsUSA, Palm Beach State College, Valencia College and FPSA.

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

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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](#)
- [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

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

CAPE FTE Weight Changes (0.1 to 0.2) due to Articulation Agreements

DOE Code	Certification Title
AIOPB001	Certified Bookkeeper
AMAMA001	Certified Medical Assistant (CMA)
COMPT007	CompTIA Project+
COMPT008	CompTIA Security+
COMPT009	CompTIA Server+
CPREC001	Child Development Associate (CDA)
FNGLA001	Certified Horticulture Professional
INTUT001	Quickbooks Certified User
MICRO017	Microsoft Office Specialist Master
MICRO069	Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)
MICRO104	Introduction to Programming using Javascript
MICRO106	Microsoft Certified Solutions Associate, For Windows Server 2016
ORACL001	Oracle Certified Associate (OCA): Database
ORACL004	Oracle Certified Associate (OCA): Java Programmer
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist
PROSO017	Certified Internet Web (CIW) JavaScript Specialist
TAFPL001	Accredited Legal Professional (ALP)

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**

CAPE Industry Cert. Funding List 2019-20 - Digital Tool Certificates

- Currently, there are 15 digital tool certificates on the list.

DOE Code	Certification Title
ADESK032	Autodesk Certified User - Fusion 360
APPLE021	Apple App Development with Swift Certification Level 1
AWELD003	AWS Certified Welder - FCAW Plate
AWELD004	AWS Certified Welder - GMAW Plate
AWELD011	AWS Certified Welder - SMAW Pipe
AWELD012	AWS Certified Welder - SMAW Plate
COMPT018	CompTIA IT Fundamentals+
FNGLA003	Certified Landscape Maintenance Technician
FNGLA004	Certified Landscape Technician
ICOEC005	EC-Council Cyber Forensics Associate
ICOEC006	EC-Council Ethical Hacker Associate
LINPI001	Linux Essentials 010
MICRO112	Microsoft Technology Associate (MTA) - Introduction to Programming Using Python
MICRO113	Microsoft Technology Associate (MTA) - Cloud Fundamentals
MICRO114	Microsoft Technology Associate (MTA) - Introduction to Programming Using Java

CAPE Industry Cert. Funding List 19-20 Digital Tool Certificates, cont'd

- 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
 - Link to RFP:
http://www.myflorida.com/apps/vbs/vbs_www.ad_r2.view_ad?advertisement_key_num=147398

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.

How to Determine Teacher Requirements, continued...

- 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.**

Requirements for Delivery of Industry Cert. Exams & Data Reporting, Cont'd

- 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>

- The complete rule document can be found at:
<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

Memos

Specifications

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

Revised FL Instructional Materials Adoption Schedule for Adoption Years 19-20 Thru 23-24

Adoption Year	Subject Area	Specifications and Criteria Available	State Adoption Process	Effective Date of Contract April 1-March 31	Current Contracts Expire March 31
2019-2020	World Languages, K-12	March 2019	April 2019-2020	2020-2025	2021
	Career and Technical Education, 6-12				2021
2020-2021	English Language Arts, K-12	April 2020 (based on new standards approval)	April 2020-2021	2021*-2026	2020 (contract extension anticipated)
2021-2022	Mathematics, K-12	Nov. 2020	April 2021-2022	2022*-2027	2019 (contract extension anticipated)
2022-2023	Social Studies, K-12	Nov. 2021	April 2022-2023	2023*-2028	2022 (contract extension)
2023-2024	Science, K-12	Nov. 2022	April 2023-2024	2024*-2029	2023 (contract extension)

Instructional Materials Review

[2019-2020 Instructional Materials Adoption Announcement Course Call List](#)

Table 3 CTE:

Course Number	Grade Level	Course Name	Course Version
8106820	9-12	Agritechnology 1	2015 and beyond
8111510	9-12	Veterinary Assisting 1	2015 and beyond
8722010	9-12	Building Trades and Construction Design Technology 1 -	2015 and beyond
8720310	9-12	Building Construction Technologies 1 -	2015 and beyond
8212110	9-12	Administrative Office Technology 1	2015 and beyond
8203310	9-12	Accounting Applications 1	2015 and beyond

Instructional Materials Webpage

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

Instructional Materials Reviewer Evaluation

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- 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)
- [2019-2020 Draft Short Bid Report](#) (PDF) **Updated: 7/1/2019**
- [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.shtml>



2019 Legislative Session

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.



2019 LEGISLATIVE REVIEW

Florida Commissioner of Education Richard Corcoran



FLORIDA DEPARTMENT OF
EDUCATION
fldoe.org

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

PAGE 30 OF 31 7351 WORDS

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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