

# Career Clusters



Architecture & Construction



Energy



Marketing, Sales & Service

State Supervisor, Dave Mueller

New State Supervisor

Dave Mueller

# Topics

- Program Reviews
  - 2018-2019 (Reviewing this year)
  - 2019-2020 (Up for review next year)
- Program Enrollment
- Change Document
- Middle School Courses/Programs
- Legislative Update

# Program Reviews

Programs are reviewed on a 3-year cycle by a committee of subject matter experts nominated from each school/county.

# 2018-2019 school year

- These are programs we are working on this year (2018) for the 2019-2020 school year.
- No middle school courses will be reviewed this year; moved to 2019.

# Architecture & Construction currently under review

## High School and PSAV Programs:

- Air-Conditioning, Refrigeration and Heating Technology (8723000)
- Air-Conditioning, Refrigeration and Heating Technology (I470203)
- Air-Conditioning, Refrigeration and Heating Technology 1 (C400100)
- Air-Conditioning, Refrigeration and Heating Technology 2 (C400200)

# Energy Programs currently under review

## High School and PSAV Programs:

- Electrical Line Service & Repair

# Marketing, Sales and Service Programs currently under review

## High School and PSAV Programs:

- Business Ownership (8800210)
- Customer Service Representative (8848100)
- Entrepreneurship (8812100)

Several PSAV Marketing programs have been deleted / daggered for deletion due to low/no enrollment. See change document for details.



# 2019-2020 school year

These are programs we will start reviewing  
in 2019 for the 2020-2021 school year.

Volunteers are much appreciated! 😊

# Architecture & Construction to be reviewed next year

## Middle School Programs:

- Fundamentals of Architecture and Construction (8130300)
- Introduction to Architecture and Construction (8109350)
- Introduction to Architecture and Construction and Career Planning (8109360)

## High School and PSAV Programs:

- Architectural Drafting (8101100)
- Drafting (8725000)/(C100200)
- Structural Drafting (8101200)
- Building Construction Technologies (8720300)/(I460401)
- Building Trades & Construction Design Technology (8722000)/(C100100)
- Electricity (8727200)/(I460312)
- Electrician (I460314)
- Industrial Pipefitter (I460514)
- Tile Setting (I460103)

# Energy programs to be reviewed next year

## High School and PSAV Programs:

- Energy Technician (9700300) /(X600600)
- Energy Generation Technician (9700200) /(X600200)
- Solar Energy Technology (8006100)/(A600200)
- Solar Photovoltaic System Design, Installation and Maintenance (X600400)
- Solar Thermal System Design, Installation and Maintenance (X600300)
- Turbine Generator Maintenance, Inspection and Repair (X600500)

# Marketing, Sales and Services programs to be reviewed next year

## High School and PSAV Programs:

- Distribution and Logistics Management (M812040)

# 2018-2019 Change Document

- <http://www.fldoe.org/core/fileparse.php/5652/urlt/1819Changes.rtf>

### Architecture and Construction Cluster

Program/Course Title	CIP #	Secondary #	PSAV #	AS / CCC Program	Change
<b>New Programs</b>					
Carpentry	0646020117	NA	C510300	NA	New re-structured program to replace Carpentry (I460202). Course structure as follows: <u>OCP A</u> Introduction to Carpentry (BCV0112) (150 Hours) <u>OCP B</u> Rough Framing Carpentry (BCV0122) (450 Hours) <u>OCP C</u> Finish Trim Carpentry (BCV0125) (450 Hours) <u>OCP D</u> Foundation and Form Carpentry (BCV0123) (150 Hours)
Carpentry	0646020116	8104300	NA	NA	New 5 credit program with new courses to replace 7 credit Carpentry (8104500) program. Course structure as follows: <u>OCP A</u> Carpentry Fundamentals (8104310) <u>OCP B</u> Carpentry Layout (8104320) Carpentry Framing (8104330) Carpentry Exterior (8104340) <u>OCP C</u> Carpentry Finish (8104350)
Electronic System Integration and Automation	0647010106	NA	C700100	NA	New PSAV program with new courses. Course structure as follows: <u>OCP A</u>

Program/Course Title	CIP #	Secondary #	PSAV #	AS / CCC Program	Change
					Electronic System Technician <u>OCP B</u> Residential Electronic Systems Technician <u>OCP C</u> Commercial Electronic Systems Technician
Field Survey Technician	0715020102	NA	NA	0715020102	New CCC linked to Civil Engineering Technology AS (1715020101) degree program.
Plumbing	0646050312	NA	C500500	NA	New 1080 Hour program to replace 960 hour program, 1460513. Course structure as follows: <u>OCP A</u> Helper, Plumber, Pipefitter (BCV0508) (360 Hours) <u>OCP B</u> Residential Plumber (BCV0540) (240 Hours) <u>OCP C</u> Commercial Plumber (BCV0562) (240 Hours) <u>OCP D – NEW COURSE</u> Plumbing Applications (BCV0596) (240 Hours)
Plumbing	0646050311	8105500	NA	NA	New 4 credit program to replace 7 credit program, 8721600. Program structure: <u>OCP A</u> Plumbing Technology 1 (8721610) Plumbing Technology 2 (8721620) <u>OCP B</u> Plumbing Technology 3 (8721630) Plumbing Technology 4 (8721640)
<b>Changed Programs/Courses</b>					
AutoCAD Foundations (CCC)	0615130204	NA	NA	0615130204	Program name change to 'Computer-Aided

Program/Course Title	CIP #	Secondary #	PSAV #	AS / CCC Program	Change
					Design Technical Certificate'.
Drafting and Design Technology (AS)	1615130102	NA	NA	1615130102	Program name change to 'Computer-Aided Drafting and Design'.
Drafting Design (CCC)	0615130101	NA	NA	0615130101	Program name change to 'Advanced Computer-Aided Design Technical Certificate'.
<b>Daggered/Deleted Programs</b>					
Architecture and Construction Cooperative Education - OJT	06469999CP	NA	I469999	NA	PSAV program has been deleted from inventory. No enrollment allowed/not reportable.
Carpentry	0646020115	8104500	NA	NA	Program daggered for deletion as part of review process. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out. Program replaced with Carpentry (8104300).
Carpentry	0646020105	NA	I460202	NA	Program daggered for deletion as part of review process. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out. Program replaced with Carpentry (C510300).
Carpentry 1	0646020111	NA	C510100	NA	Program daggered for deletion due to low/no enrollment Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out. Program replaced with Carpentry (C510300).
Carpentry 2	0646020112	NA	C510200	NA	Program daggered for deletion due to low/no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out. Programs replaced with Plumbing: 8105500 or C500500 for teach-out. Program replaced with Carpentry (C510300).
Plumbing Technology	0646050302	8721600	I460513	NA	Programs daggered for deletion as part of review process. Last year for new enrollment is 2018-19. Program will remain in inventory



### Energy Cluster

Program/Course Title	CIP #	Secondary #	PSAV #	AS / CCC Program	Change
<b>New Programs</b>					
Energy Management and Controls Technology	1615030304	NA	NA	1615030304	New AS degree program
<b>Changed Programs/Courses</b>					
<b>Daggered/Deleted Programs</b>					
Energy Cooperative Training – OJT	07150503CP	NA	X909999	NA	PSAV program has been deleted from inventory. No enrollment allowed/not reportable.
Energy Generation Technician	0715050302	NA	X600200	NA	PSAV program has been deleted from inventory. No enrollment allowed/not reportable.
<b>Changes Pending for 2019-2020</b>					

All career education program course standards are located on the web at <http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/curriculum-frameworks/>

### Marketing, Sales and Services Cluster

Program/Course Title	CIP #	Secondary #	PSAV #	AS / CCC Program	Change
<b>New Programs/Courses</b>					
Digital Marketing Management	0252140112	NA	NA	0252140112	New college credit certificate program part of the Marketing Management AS degree program (1252140101).
<b>Changed Programs/Courses</b>					
<b>Daggered/Deleted Programs</b>					
Business Ownership	0252070101	NA	M618020	NA	PSAV program has been deleted from inventory. No enrollment allowed/not reportable.
Customer Service Representative	0252041100	NA	M807060	NA	PSAV program daggered for deletion due to low/ no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out.
Customer Service Representative 1	0252041102	NA	M600100	NA	Program has been deleted from inventory. No enrollment allowed/not reportable.
Customer Service Representative 2	0252041103	NA	M600200	NA	Program has been deleted from inventory. No enrollment allowed/not reportable.
E-Commerce Marketing	0252020802	NA	M899992	NA	PSAV program daggered for deletion due to low/ no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out.
Electronic Commerce	0252020801	NA	NA	CCC	Program daggered for deletion due to low/ no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out.

Program/Course Title	CIP #	Secondary #	PSAV #	AS / CCC Program	Change
Entrepreneurship	0252070102	NA	M803010	NA	PSAV program daggered for deletion due to low/ no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out.
Fashion Marketing	0252190200	NA	M801020	NA	PSAV program has been deleted from inventory. No enrollment allowed/not reportable.
International Marketing	0252140101	NA	M807030	NA	PSAV program daggered for deletion due to low/ no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out.
Marketing Cooperative Education - OJT	02089999CP	NA	M899990	NA	PSAV program has been deleted from inventory. No enrollment allowed/not reportable.
Marketing, Merchandising and Parts Operations	0252040902	NA	M812031	NA	Program has been deleted from inventory. No enrollment allowed/not reportable.
Real Estate Appraiser Trainee	0252150105	NA	M807040	NA	Program has been deleted from inventory. No enrollment allowed/not reportable.
Sport, Recreation, and Entertainment Marketing	0252191005	NA	M899400	NA	PSAV program daggered for deletion due to low/ no enrollment. Last year for new enrollment is 2018-19. Program will remain in inventory for teach-out.
<b>Changes Pending for 2019-2020</b>					
N/A					

# Middle School Programs

# Middle Schools Courses

- All Middle School Courses have been updated (using 2017-18 framework) with new taxonomy for the 2018-2019 school year.
- They are accessible by C-PALMS as well as on each career cluster's 2018-2019 curriculum framework page in both RTF and PDF format. The PDF version contains the updated taxonomy.

# Comparing Frameworks

## DOE Curriculum Framework Exploration of Health Science Professions - 8400310

**03.0** Perform basic communication skills in the healthcare setting. –The student will be able to:

**03.01** Demonstrate interpersonal communication skills such as active listening, verbal, non-verbal and written language in the health care setting.

**03.02** Identify technology used for communication in healthcare professions and proper etiquette for its use.

**03.03** Demonstrate use of medical terminology and abbreviations associated with healthcare professions.

## CPALMS Exploration of Health Science Professions - 8400310

- [CTE-HLTH.68.GENRL.03: Recognize basic communication skills in the healthcare setting.](#)
- [CTE-HLTH.68.GENRL.03.02](#) Demonstrate interpersonal communication skills such as active listening, verbal, non-verbal and written language in the health care setting.
- [CTE-HLTH.68.GENRL.03.03](#) Identify technology used for communication in healthcare professions and proper etiquette for its use.
- [CTE-HLTH.68.GENRL.03.06](#) Demonstrate use of medical terminology and abbreviations associated with healthcare professions.

# Enrollment

# Architecture & Construction (slide 1)

Air Conditioning, Refrigeration	1227
Air Conditioning, Refrigeration and Heating Technology 1	857
Air Conditioning, Refrigeration and Heating Technology 2	126
Air Conditioning, Refrigeration and Heating Technology	1558
Air Conditioning, Refrigeration and Heating Technology (PS) - APPR	953
Architectural Design & Construct.	560
Architectural Drafting Secondary	975
Architecture and Construction Cooperative Education - OJT	28
Architecture and Construction Education Directed Study	106
AutoCAD Foundations CCC	239
Brick and Block Masonry	125
Brick and Block Masonry - APPR	205
Building Construction Special	47
Building Construction Technology	498
Building Construction Technologies	5752
Building Construction Technologies - APPR	64
Building Trades and Construction	32
Building Trades and Construction Design Technology	6447
Cabinetmaking	143



# Architecture & Construction (slide 2)

Carpentry	639
Carpentry - APPR	411
Carpentry (NEW)	1299
Carpentry 1	24
Carpentry 2	<10
Civil Engineering Aide	152
Civil Engineering Technology	307
Commercial and Industrial Insulation	<10
Commercial and Industrial Insulation - APPR	66
CONSTRUCTION CARPENTRY TECH.	<10
Construction Management Techno	208
Drafting	2071
Drafting and Design Technology	462
Drafting Design CCC	175
Drafting PSAV	466
Electrical Distribution Techno	<10
Electrician	136
Electrician - APPR	4254
Electricity	1909
Elevator Constructor Mechanic - APPR	360
FIRE SPRINKLER DSGN TECHNOLOGY	<10
Fire Sprinkler System Technology	280
Fire Sprinkler System Technology - APPR	150

# Architecture & Construction (slide 3)

Fundamentals of Architecture and Construction	438
Glazing - APPR	59
Industrial Electricity	15
Industrial Pipefitter - APPR	240
Introduction to Architecture and Construction	1112
Introduction to Architecture and Construction and Career Planning	125
Painting and Decorating	88
Painting and Decorating - APPR	105
Plumbing Technology	210
Plumbing Technology - APPR	1297
Residential Air Conditioning,	12
Roadway Technician - APPR	15
Roofing - APPR	26
Structural Drafting Secondary	396
Structural Steel Work - APPR	333
Surveying and Mapping Technology - APPR	33
Sustainable Design CCC	30
<b>Grand Total</b>	<b>38092</b>

# Energy

<b>Program Title</b>	<b>Total</b>
Alternative Energy Engineering	18
Electric Meter Repairer - APPR	<10
Electrical Distribution Techno	30
Electrical Distribution, Advan	<10
Electrical Distribution, Basic	21
Electrical Line Service and Re	44
Electrical Line Service and Repair - APPR	202
Electrical Power Technology	130
Energy Technician	384
Fundamentals of Energy	87
Introduction to Energy	381
Introduction to Energy and Career Planning	56
Solar Energy Technology	44
Solar Photovoltaic System Design, Installation and Maintenance - Entry Level	63
Solar Thermal System Design, Installation and Maintenance - Entry Level	<10
Turbine Generator Maintenance, Inspection and Repair	25
<b>Grand Total</b>	<b>1492</b>

# Marketing, Sales & Service (slide 1)

<b>Program Title</b>	<b>Total</b>
Business Entrepreneurship (60)	430
Business Ownership	500
Customer Relationship Management	<10
Customer Service Representative	2312
Customer Service Technology--A	<10
E-Commerce Marketing	866
Electronic Commerce CCC	<10
Entrepreneurship	4401
Entrepreneurship CCC	298
Exploration of Marketing Occupations	157
Fashion Marketing	1188
Fashion Marketing Management	121
Fundamentals of Marketing Occupations	17
Industrial Distribution and Management	25
International Marketing	329
Introduction to Marketing Sales and Service and Career Planning	246
Marketing Cooperative Education - OJT	647
Marketing Education Directed Study	191
Marketing Management	128
Marketing Management (60)	430
Marketing Operations CCC	47
Marketing, Management and Entrepreneurial Principles PSAV	29
Marketing, Management and Entrepreneurial Principles Secondary	6337

# Marketing, Sales & Service (slide 2)

Marketing, Merchandising, and Parts Operations	<10
Marketing, Merchandising, and Parts Operations 1	36
Marketing, Merchandising, and Parts Operations 2	<10
Orientation to Marketing Occupations	240
Real Estate Broker	<10
Real Estate Sales Agent	198
Real Estate Sales Associate Po	200
Sport, Recreation, and Entertainment Marketing	2799
<b>Grand Total</b>	<b>22187</b>

# Career Cluster Infographics



Architecture & Construction



Energy



Marketing, Sales & Service



<http://www.fldoe.org/core/fileparse.php/18600/urlt/Legislative.pdf>

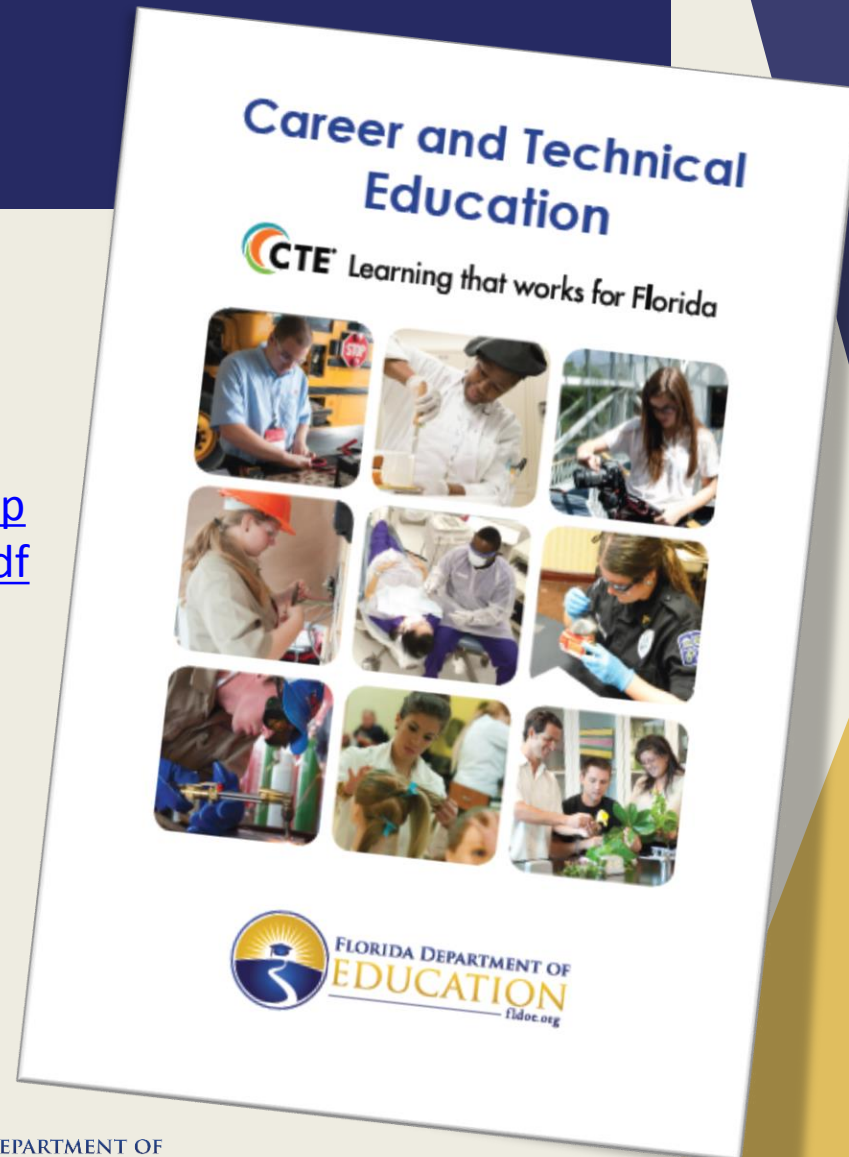
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# LEGISLATIVE REVIEW

Florida Commissioner of Education, Pam Stewart

# CTE Brochure

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





# Questions?

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