

STATE BOARD OF EDUCATION
Update
May 20, 2014

SUBJECT: An Update on Career and Adult Education Programs in Florida

PROPOSED BOARD ACTION

N/A

AUTHORITY FOR STATE BOARD ACTION

N/A

EXECUTIVE SUMMARY

An update will be provided by Chancellor Rod Duckworth on Career and Adult Education programs.

Supporting Documentation Included: An Update on Career and Adult Education Programs in Florida presentation

Facilitator/Presenter: Rod Duckworth, Chancellor, Division of Career and Adult Education

***An Update on Career and Adult
Education Programs in Florida***

Rod Duckworth, Chancellor
Division of Career and Adult Education
Florida Department of Education



Learning that works for Florida

Our Secondary Students Are Ready!

- Cohort graduation rate among secondary CTE concentrators was 92% in 2012-13.
- 81% of CTE concentrators who graduated with a standard diploma or high school equivalency were found employed, in the military, or enrolled in postsecondary education in the year following their exit from the program.

Our Secondary Students Are Ready!

- **G. Holmes Braddock Senior High School in Miami-Dade**

Cohort graduation rate among secondary CTE concentrators was 92% in 2012-13

- **Key West High School in Monroe**

89% of CTE concentrators who graduated with a standard diploma or high school equivalency were found employed, in the military, or enrolled in postsecondary education in the year following their exit from the program.

- **Gulf Breeze High School in Santa Rosa**

87% of CTE concentrators who graduated with a standard diploma or high school equivalency were found employed, in the military, or enrolled in postsecondary education in the year following their exit from the program.

Our Postsecondary Students Are Ready!

- Completion rate among CTE concentrators enrolled in career certificate programs was 62% in 2012-13
- 76% of CTE concentrators who completed a career certificate program were found employed, in the military, or enrolled in postsecondary education in the year following their exit from the program.

Our Postsecondary Students Are Ready!

- First Coast Technical College in St. Johns
Completion rate among CTE concentrators enrolled in career certificate programs was 72% in 2012-13
- Orange Technical Education Center –
Mid-Florida Tech
80% of CTE concentrators who completed a career certificate program were found employed, in the military, or enrolled in postsecondary education in the year following their exit from the program.

Florida's Economic Partnership

- Enterprise Florida
- Regional Economic Development Councils

**Economic
Development**
Creating Jobs

**Career and
Adult Education**
*Educating for
Careers*

- Career Source Florida, Inc.
- Department of Economic Opportunity
- Regional Workforce Boards

**Workforce
Development**
*Connecting
People with
Jobs and
Services*

Skilled Workforce
Talent Supply Chain
To Grow and Diversify Florida's
Economy

The Mission of Career and Adult Education Programs

Highly Skilled Workforce *Talent Supply Chain*
To Grow and Diversify Florida's Economy

Career and Technical Education

- Middle School
- Secondary
- Postsecondary Adult
- College Credit - A.S. Degree
- Preparing for career

Adult Education

- Literacy
- GED
- ESOL
- Adult High School

Apprenticeship

- Highly structured program that provides technical training in a specific occupation
- combination of classroom and on-the-job training
- industry sponsored

Career and Adult Education Delivery System



17 Florida Career Clusters

- Agriculture, Food, and Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business Management & Administration
- Education and Training
- Energy
- Engineering & Technology Education
- Financial Services
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety & Service
- Manufacturing
- Marketing, Sales, & Service
- Transportation, Distribution, & Logistics



Learning that works for Florida

Career and Professional Education Act

The first year of implementation for the CAPE Act was 2007-08. By 2008-09 all districts were required to register at least one career academy.

	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Number of Registered Career and Professional High School Academies	246	490	838	1,298	1,511	1,729	1,650
Number of Registered Career and Professional Middle School Academies					56	186	166
Total	246	490	838	1,298	1,567	1,915	1,816
Number of Districts with Registered High School Academies	38	66	68 ¹	68 ¹	68 ¹	67 ¹	66 ²
Number of Districts with Registered Middle School Academies					9	33	37
Number of Registered Career-Themed Courses						2,764	12,141
Number of Districts with Registered Career-Themed Courses						69 ²	70 ³

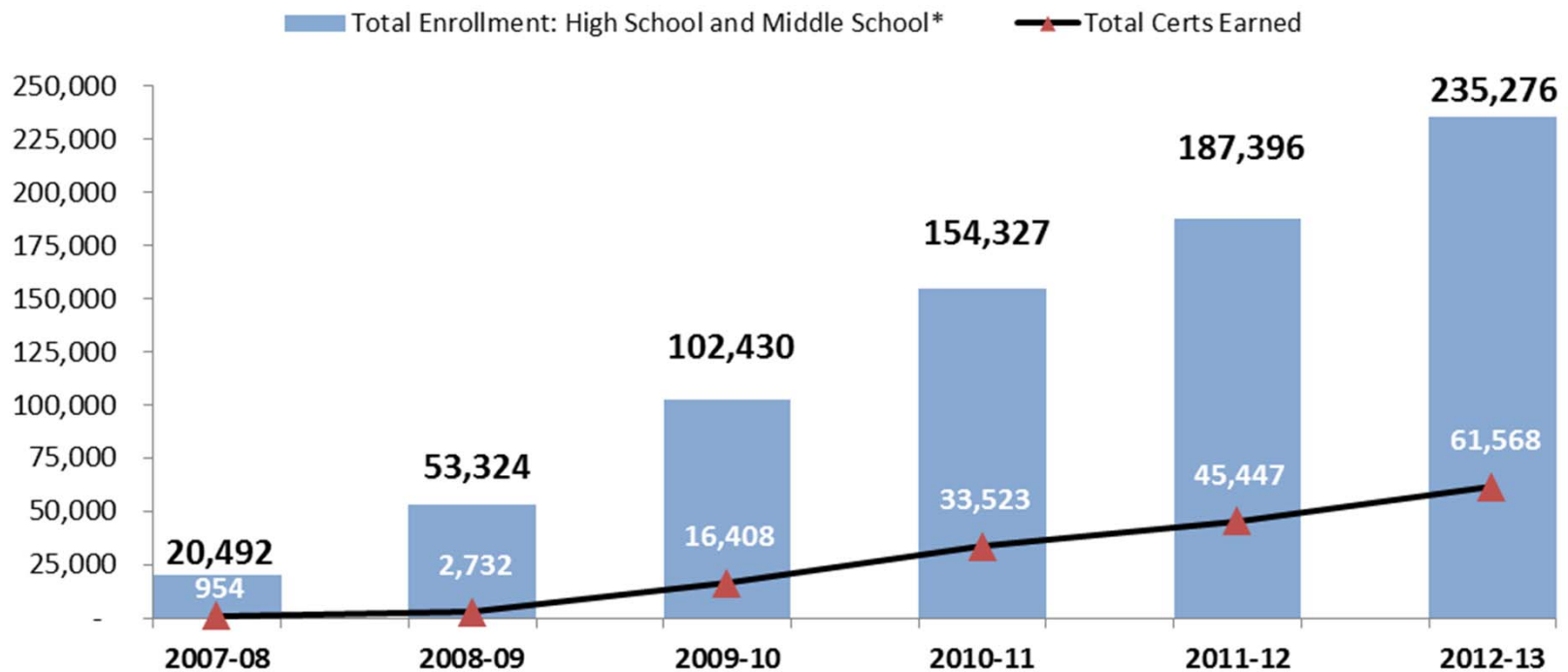
¹ Includes Florida State University School

² Includes Florida State University School and Florida Virtual School

³ Includes Florida State University School, Florida A&M University School, and Florida Virtual School

Career and Professional Education Academies and Industry Certifications

**CAPE Academy Enrollment and Industry Certifications
Earned by Secondary Students**



Unduplicated count of high school students enrolled in at least one CAPE academy based on final Survey 5 data reported as of Feb. 28, 2014. (Source: EIAS)

Non-credit Technical Training Top 10 Enrollments

District Career Certificates	College Career Certificates
Practical Nursing	Law Enforcement Officer
Cosmetology	Practical Nursing
Commercial Foods and Culinary Arts	Cosmetology
Automotive Service Technology	Fire Fighter
AC, Refrigeration and Heating	Early Childhood Education
Applied Welding Technologies	AC, Refrigeration and Heating
Medical Administrative Specialist	Correctional Officer
Medical Assisting	Automotive Service Technology
Patient Care Technician	Applied Welding Technologies
Fire Fighter	Private Security Officer

Credit Programs – Top 10 Enrollments (College Credit)

Credit Certificates/Applied Technology	Associate in Science/Applied Science
Paramedic	Nursing
Business Management	Business Administration
Emergency Medical Technician	Criminal Justice Technology
Business Specialist	Paralegal Studies (Legal Assisting)
Medical Information Coder/Biller	Computer Information Technology
Business Operations	Early Childhood Education
Accounting Technology Management	Business Administration
Biotechnology Specialist	Networking Services Technology
Office Support	Office Administration
Accounting Technology Operations	Accounting Technology

Post Secondary Program Results

Program	Completion Rate	Placement Rate	Average Annual Earnings
Career Certificate (non credit)	53%	76%	\$32,733
A.S./A.A.S./Credit Certificates	48%	86%	\$44,120
High School Equivalency Diploma (GED)	36%	48%*	\$24,576
Adult High School	not available	51%*	\$19,844

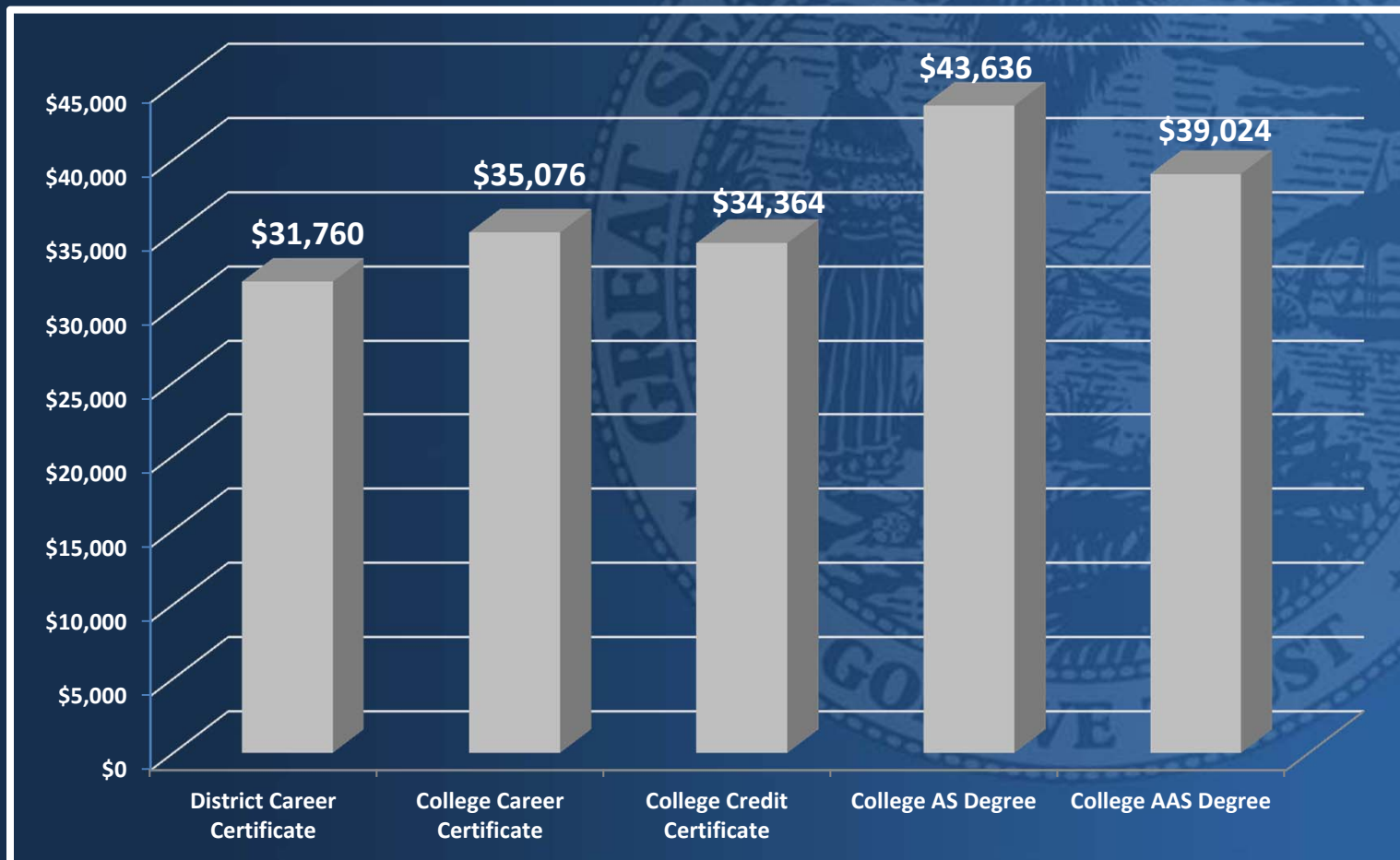
*Employment placement only; does not include postsecondary placement

Industry Certifications and Employment Outlook

Occupational Area*	Certifications	Employment Outlook
Welding	Certified Welder (AWELD001)	Welders, Cutters, Solderers, Brazers Entry: \$24,480 Mean: \$35,700
Cybersecurity	Cisco Certified Network Associate (CISCO004) CompTIA Network+ (COMPT006) CompTIA Security+ (COMPT008)	Information Security Analyst Entry Wage: \$47,440 Mean Wage:\$75,900
FAA airframe mechanics and power plant mechanics	FAA Aviation Mechanic General (FEDAA002) FAA Airframe Mechanic (FEDAA004) FAA Powerplant Mechanic (FEDAA010)	Aircraft Mechanics and Service Technician Entry Wage: \$33,480 Mean Wage:\$50,500

*The occupational areas have been targeted for postsecondary performance incentive funds for district and college programs.
Source: Florida Statewide 2013-2021 Projected Employment

Average Annualized Earnings for 2011-12 Completers with Full-Time Employment in Fall 2012



Source: Florida Education and Training Placement Information Program (FETPIP) Annual Outcomes Report

Full-time Average Initial Earnings of 2011-12 Postsecondary CTE Completers

	Annualized Initial Earnings	Number of Completers in Cohort	Average Salary for High School Graduates	Value Added of Credential	Cumulative Value Added
Standard High School Diploma	\$21,992	102,771	\$21,992	\$0	\$0
District Postsecondary CTE	\$29,276	26,240	\$21,992	\$7,284	\$191,132,160
District Apprenticeship¹	\$40,305	3,496	\$21,992	\$18,313	\$64,022,248
FCS Apprenticeship¹	\$40,767	329	\$21,992	\$18,775	\$6,176,975
FCS Postsecondary Adult Vocational	\$35,076	8,119	\$21,992	\$13,084	\$106,228,996
FCS Postsecondary Vocational	\$34,364	9,123	\$21,992	\$12,372	\$112,869,756
FCS Associate in Science	\$43,636	10,852	\$21,992	\$21,644	\$234,880,688
FCS Associate in Applied Science	\$39,024	1,882	\$21,992	\$17,032	\$32,054,224
FCS Associate in Arts	\$33,348	55,138	\$21,992	\$11,356	\$626,147,128
FCS Bachelors	\$45,740	3,366	\$21,992	\$23,748	\$79,935,768
Total Return					\$1,453,447,943

¹ Data reported is for the 2010-11 Completers found employed in Fall 2011

Source: Florida Education and Training Placement Information Program (FETPIP) Annual Outcomes Report

Apprenticeship Programs

- 29 Districts and Colleges with Apprenticeship Students
 - Number of Districts with Enrollment - **16**
 - 12-13 Enrollment (Districts) - **6,201**
 - Number of Colleges with Enrollment - **13**
 - 12-13 Enrollment (Colleges)- **2,278**

Based on final 2012-13 data reported to WDIS

Enrollment in Targeted Areas in Apprenticeship

PROGRAM	12-13 ENROLLMENTS
Electrician	2436
Air Conditioning, Refrigeration and Heating Technology	1277
Plumbing Technology	832
Carpentry	289
Fire Sprinkler System Technology	258
Sheet Metal Fabrication Technology	228
Industrial Pipefitter	224
Painting and Decorating	210
Brick and Block Masonry	203

Return on Investment for Apprenticeship: A/C, Refrigeration and Heating Technology

	High School Diploma or Equivalent	Program Length- 4 years →	Training Program- Air Conditioning, Refrigeration and Heating Technology (I47021R)
Potential Occupation	Helpers--Installation, Maintenance, and Repair Workers	Estimated Tuition \$0	Heating, A.C., and Refrigeration Mechanics and Installers
Annual Growth	2.0 %	97%	3.94 %
Annual Openings	415	236%	1,396
Average Annual Earnings	\$23,600	70%	\$40,220
Average Entry Earnings	\$16,720	70%	\$28,360

Contact Information

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