Florida's Career and Technical Education System: Stackable Credentials, Funding for Students, & Local Efforts

Post-high school CTE programs prepare students for the skills needed for specific occupations or careers.

The webinar’s will discuss financial aid and grant programs, how students can articulate up and ‘stack’ their credentials, and more.
Questions & Conversation

• Submit your questions in the box

• Share on social media
  Twitter: @FLCollegeAccess
  #FCAN
  #TalentStrongFL

*This webinar is being recorded; all materials will be available within a week of recording*
Our mission:
We lead the collaborative movement to ensure every Floridian achieves an education beyond high school and a rewarding career.

Our vision:
A Florida working together, where education is the pathway to economic mobility for all.
FCAN’s Work

**Research and Data:** FCAN publishes research and data on evidence-based practices and policy opportunities to strengthen Florida’s talent pool.

**Advocacy:** FCAN engages with stakeholders, policy makers and community-based organizations to find ways for improving every students’ postsecondary journey.

**Storytelling:** FCAN focuses on students and their communities to understand and share the impacts of Florida’s education policy.

**Local college access networks (LCANs):** FCAN provides financial supports and technical assistance to local coalitions made up of community leaders who come together to create solutions and partnerships to support local talent development.

**Statewide Initiatives:** FCAN coordinates 4 College Ready Florida initiatives that provides schools and community organizations resources to help students continue their education after high school.

**Convenings for Collaboration:** FCAN hosts and facilitates data-driven, solutions-oriented conversations with student success leaders at the community-based, institutional, and statewide levels.
7 Conditions for Success

**Opportunity for everyone:** To build a talent-strong economy, all Floridians need access to a postsecondary education and the supports to complete it.

**Clear information and guidance:** Students and families need exposure and counseling early and often to make informed decisions about their futures.

**Affordability:** Postsecondary education needs to be within everyone’s financial reach, regardless of household income or life circumstances.

**Multiple pathways to success:** Floridians benefit from multiple learning opportunities for academic achievement and career advancement.

**Lifelong learning:** No degree or credential is “one and done;” Floridians need to prepare for career changes through continuous learning.

**Effective use of data:** Transparent access to data on education and economic outcomes, especially for Florida’s diverse populations, helps achieve our goals.

**Community collaboration:** When community partners work together toward a shared vision, they remove barriers, build a robust workforce, and improve the quality of life for their regions.
Career and technical education (CTE) is a broad term that offers students “organized educational activities providing both academic content and technical skills in current or emerging professions and builds pathways connecting education and the workforce.”*

*(American Educational Research Administration, 2021)*
CTE to Degree Advocacy

- Without seamless pathways, transferring schools can be complicated
- Students and employers benefit from more options
- Pathways support nontraditional students

- Office of Program Policy Analysis and Government Accountability (OPPAGA) released a report (2023) that stated only 5% of students who went on to enroll in their second credential actually completed it.
Featured Presenters

Lee Chipps-Walton
Director of the Office of Career and Technical Education
Florida Department of Education

Dr. Jackie Skyrd
Vice President of Workforce Development and Corporate Partnerships
St. Petersburg College

John Monda
Director of Lorenzo Walker Technical College
Collier County Public Schools
Career & Technical Education – Florida's Career Readiness Engine

Lee Chipps-Walton, Florida Department of Education

John Monda, Lorenzo Walker Technical College

Jackie Skryd, St. Petersburg College
Presentation Preview

• Highlight Florida's Career and Technical Education (CTE) system
• Showcase CTE programs from:
  o Lorenzo Walker Technical College
  o St. Petersburg College
Start with the End: **Better Careers Faster**

'Better Careers':
- Are in growing industries that are hiring.
- Pay family-sustaining wages.
- Offer advancement opportunities.
- Are chosen based on the student's own informed choice.

'Faster' means:
- Students start to explore, plan and prepare for careers early.
- Education results in an industry-recognized stackable credential.
- Offering accelerated credit opportunities and graduation pathways.
- Skill building - employability, technical and career navigation skills.
- Growing the student's industry social network.
The Evidence Is In – CTE Works!

There is significant evidence that supports that students who have had multiple CTE courses in high school are:

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<tbody>
<tr>
<td>More likely to graduate high school.</td>
</tr>
<tr>
<td>More likely to go on to postsecondary.</td>
</tr>
<tr>
<td>More likely to be employed.</td>
</tr>
<tr>
<td>More likely to have a higher starting salary.</td>
</tr>
</tbody>
</table>

1

GetThereFL.com

Florida Department of Education
Career and Adult Education
Career and Technical Education in Florida

- Middle Schools: Career & Education Planning Courses
- High Schools: Career & Technical Education Programs
- Postsecondary:
  - Technical College CTE
  - State College CTE
  - Apprenticeships

Successful Careers / More Education
# How Is CTE Funded?

## Funding to Districts/Colleges

### Federal Sources
- Perkins
- WIOA (Integrated Education and Training)

### State Sources
- Formula-based funding
- Performance-based funding
- Strategic Initiatives Funding
  - Workforce Development Capitalization Incentive Grant
  - Pathways to Career Opportunities Grant (Apprenticeships)
  - LINE & PIPELINE (Nursing)

### Local Sources
- Tuition and fees
- Grants
- Local appropriations
- Local foundations and business partnerships

## Funding to Students

### Federal Sources
- Grants, scholarships, work-study, loans

### State
- Open Door Grant Program
- Florida Bright Futures – Gold Seal CAPE Scholarship & the Gold Seal Vocational Scholarship

### Local
- Local scholarships and programs
CTE Pathways

CTE is for all students and includes 17 career pathways.

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

This chart shows the number of students enrolled in any CTE program in grades 6-12 during the school year, including middle grades career exploratory.
3-Year Postsecondary CTE Enrollment Trends

**Technical College CTE Enrollment**
- 2020-2021: 40,527
- 2021-2022: 42,916
- 2022-2023: 44,698

**Florida College System CTE Enrollment**
- 2020-2021: 148,815
- 2021-2022: 160,843
- 2022-2023: 165,231

**Registered Apprentices**
- 2020-2021: 15,787
- 2021-2022: 15,479
- 2022-2023: 17,435
How Are CTE Curriculum Frameworks Developed & Maintained?

CTE Curriculum Frameworks define the learning objectives and structure that must be used by Florida school districts and Florida College System institutions implementing a CTE program. As the name implies, they are the scaffolding that is used to build local CTE programs. The State Board of Education oversees Curriculum Frameworks under §1004.92, F.S., and Rule 6A-6.0571, F.A.C.

**Design**
- CTE Curriculum Frameworks start through the collaboration of Florida educators and industry partners that submit a program proposal to the Florida Department of Education (FDOE).

**Approval**
- The submitted CTE Curriculum Framework is reviewed by FDOE content experts. The State Board of Education has final approval authority over new CTE Curriculum Frameworks.

**Review**
- CTE Curriculum Frameworks are reviewed and updated every 3 years by a team of business and educators to maintain labor market alignment.
- The FDOE monitors labor market and program performance metrics for possible program additions and deletions.
Who Leads High-Quality CTE Programs?

At the heart of high-quality CTE are the people that deliver CTE to students – Florida teachers and faculty. CTE instructors have:

**Industry Expertise**
- **Secondary**: State statute requires that full-time CTE teachers have 3 years of occupational experience and/or a relevant industry certification.
- **Postsecondary**: Meet academically rigorous industry experience requirements set by their institution and accrediting body.

**Teaching Expertise**
- **Secondary**: State statute requires that full-time teachers receive accredited or approved teacher training.
- **Postsecondary**: Institutions and the State offer CTE professional learning opportunities.
What Is the Student Experience in a High-Quality CTE Program?

Technical skills (the skills of a specific occupation) are best developed through hands-on practice. High-quality CTE programs provide ample opportunity to develop skills through the complete Work-Based Learning Spectrum:

- **Career Exploration**
  - Career Fairs
  - Interest Inventories
  - Mock Interviews
  - Guest Speakers

- **Career Exposure**
  - Job Shadowing
  - Mentoring
  - Informational Interviews
  - Company Tours

- **Career Engagement**
  - School-Based Enterprise
  - Service Learning
  - Guided Entrepreneurship
  - Capstone/Industry Project
  - Virtual/Simulated WBL

- **Career Experience**
  - Pre-Apprenticeship OJT
  - Internships
  - Cooperative Ed OJT
  - Clinicals
  - Practicum
Recognizing Student Skills Through Acceleration, Credentialing and Stacking

**Acceleration**
- Students enter postsecondary CTE programs with early credit for prior work based on:
  - Credit-by-exam (AP, IB, AICE, CLEP)
  - Industry-recognized certification
  - Dual Enrollment
  - Military service
  - Other means, such as local articulation agreements

**Progressive Credentialing**
- Students earn additional credentials within CTE programs, for example:
  - Industry Certifications
  - Occupational Completion Points
  - College Credit Certificates

**Stacking**
- Students leaving CTE programs can apply credit to additional credential opportunities. Examples:
  - Career Certificate/Applied Technical Diploma to AS/AAS
  - AS to BS (and the reverse)
Learn More About CTE Opportunities

Visit GetThereFL.com to learn more about local CTE opportunities!

Xello is Florida’s Career Planning and Work-Based Learning Coordination System. Visit Xello.world/Florida to learn more!
TITAN TALENT AT A GLANCE

34K
STUDENTS

44%
MINORITIES

26
AVERAGE AGE

66%
WORK WHILE IN SCHOOL

70%
MEET FINANCIAL NEED REQUIREMENT

74%
ATTEND PART-TIME

WE ARE SPC

100+
workforce degrees and certificate programs

17
bachelor's degrees

25+
industry-led advisory committees

60+
fully online programs

ST. PETERSBURG COLLEGE
<table>
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<th>Category</th>
<th>Number</th>
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<tr>
<td>CTE Enrollment 2022-2023</td>
<td>9,283</td>
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<td>Short-Term Training Enrollment 2022-2023</td>
<td>1,786</td>
</tr>
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<td>Short-Term Training Enrollment Increase Over 2021-2022</td>
<td>89%</td>
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<tr>
<td>Articulation Agreements</td>
<td>150</td>
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<tr>
<td>Transfer Program Enrollments 2023-2024</td>
<td>461</td>
</tr>
<tr>
<td>Transfer Program Graduates</td>
<td>554</td>
</tr>
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</table>
PROGRAM INNOVATIONS

1. ACCELERATING TIME TO COMPLETION & WORK: Compressed CCMA program from 16 to 12 weeks

2. PROGRAMS BUILT BY INDUSTRY (leading to high wage jobs): Lineworker offers CDL at Pinellas Technical College, OSHA 10, CPR and Certified Lineworker at SPC

3. FOCUSING ON FOUNDATIONAL SKILLS (with stacked/latticed credentials): Semiconductor Technician reaches the masses with baseline fundamental training paired with specialization courses for skills needed by industry
1. **TALENT PLACEMENT:** Placed 1,655 students (met Bank of America goal in 2nd of 3 years)

2. **CORPORATE PARTNERSHIPS:** Strengthened the concierge-based service delivery model to place students from across the region into employment opportunities in the IT & Business, Finance & Professional Services industry sectors.

3. **CENTRALIZED ALIGNMENT:** Create a centralized alignment office that serves as the primary source of information and translation for business and education across the Tampa Bay region.
QUESTIONS?
**Middle School**
The purpose of this stage is to explore career pathways and educational opportunities needed to achieve career goals.

**Adult Education**
Flexible program opportunities that allow learners to develop basic skills while preparing for the workforce and further educational opportunities.

**State College and University**
Gain acceptance into a two or four year degree with advanced standing and industry experience that will encourage persistence toward degree attainment.

**High School**
Participate in career dual enrollment opportunities in a program that leads to an industry credential and skills needed to enter the workforce.

**Technical College**
Enroll in a career and technical education program that provides an industry credential needed to enter the workforce and obtain advanced standing in a credit program.

**Employment**
Enter the workforce with the basic knowledge, industry credentials, and employability skills needed to succeed in the workforce and complete further post-secondary education.
Understanding Career and Technical Education (CTE) August 2023

WHAT IS CAREER AND TECHNICAL EDUCATION (CTE)?
Career and Technical Education (CTE) is a broad term that refers to students' organized educational activities that provide both academic content and technical skills in current or emerging occupations, while leading pathways connecting to education and the workforce.

CTE includes courses and programs at the secondary (middle and high school) and postsecondary (technical school and college) levels. CTE courses are often directly tied to specific professions or occupational fields. CTE also prepares students for the labor market by teaching skills that are applicable to a wide range of careers. CTE courses and programs can lead to an industry-recognized credential, a certificate, an associate’s degree, or further education.

FCAN CTE Briefs and Resources

Understanding Career and Technical Education: For Students and Parents

What is CTE?
Career and technical education (CTE) offers high school students the opportunity to learn technical skills through coursework and work-based learning experiences. CTE programs are designed to prepare students for high-demand and emerging careers in the workforce.

Why should students consider CTE?
CTE prepares students for high-demand and emerging careers in the workforce. CTE programs provide students with the skills and knowledge they need to succeed in the workforce and in college. CTE programs can also help students gain admission to colleges and universities.

How does CTE support students' future career goals?
CTE programs offer students the opportunity to gain skills and experience in a variety of fields, including health science, business, and technology. CTE programs also provide students with the opportunity to gain valuable work experience and make connections with potential employers.

Is CTE only for students who aren't college-bound?
No, many college students and college-bound high school students participate in CTE programs. CTE programs provide students with the skills and knowledge they need to succeed in college. CTE programs can also help students gain admission to colleges and universities.

What does CTE look like?
CTE programs can take many forms, including traditional classroom instruction, hands-on learning experiences, and work-based learning opportunities. CTE programs can also be offered in a variety of settings, including high schools, career centers, and community colleges.

Florida College Access Network

Credenciales CTE en Florida
Hay varios tipos de credenciales CTE disponibles para los estudiantes en Florida

<table>
<thead>
<tr>
<th>Tipo de credencial</th>
<th>Breve descripción</th>
<th>Center/Young</th>
<th>Formación</th>
<th>Nivel de capacitación</th>
<th>Nivel de capacitación</th>
<th>Nivel de capacitación</th>
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<tbody>
<tr>
<td>Certificados de empleo</td>
<td>Descripción de obra</td>
<td>Nombre de obra</td>
<td>1 año</td>
<td>2 años</td>
<td>3 años</td>
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*Los estudiantes deben elegir el tipo de credencial que mejor se adapte a sus intereses y necesidades.*

**As of October 2023.**
Mark your calendars for this impactful convening with passionate education stakeholders from multiple sectors to network, learn, and inspire one another to prepare today’s students for tomorrow’s career opportunities.

We’re working to improve “Access for All”
...and we can’t do it without you!
Thank you!