

Career & Technical Education

Successes
and
Possibilities
for
Sarasota
County
Schools



2012-13 CTE Snapshot



- 38** CTE Programs in High Schools & Middle Schools
- 42** CTE Programs offered at SCTI for High School students and adults
- 7** High Schools with CTE Programs and SCTI
- 9** Middle Schools with CTE Programs including Pine View
- 108** CTE Teachers in High Schools, Middle Schools & SCTI

2012-2013 By The Numbers



4960

Total High School Students Enrolled in CTE Programs

3520

Total Middle School Students Enrolled in CTE Programs

1087

Total Adult Students Enrolled in PSAV Programs

3376

Total Adult Students Enrolled in AGE Programs

2012-2013 By The Numbers



- 1042** Total Number of High School Students Completing a Career Pathway
- 845** Industry Certifications Earned by **802** High School Students
- 281** Students Earning Ready-to-Work
- 3307** LCPs earned by Adult AGE students
- 1004** OCPs earned by Adult PSAV students

17 Career Clusters



- **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**

14 Career Clusters in Sarasota County



- **Agriculture, Food & Natural Resources**
- **Architecture & Construction**
- **Arts, AV Technology & Communication**
- **Business, Management & Administration**
- **Education & Training**
- Energy
- **Engineering & Technology Education**
- Finance
- Government & Public Administration
- **Health Science**
- **Hospitality & Tourism**
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- **Law, Public Safety & Security**
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Career & Technical Education Career Clusters
in Sarasota County Schools

Agriculture, Food & Natural Resources

MIDDLE SCHOOL

-Agriscience

HIGH SCHOOL

-Aquaculture

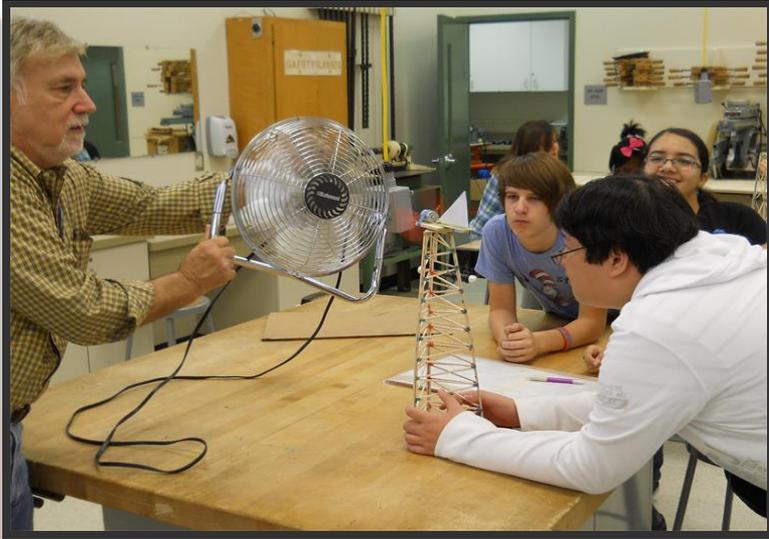
-Veterinary
Assisting

-Landscape
Operations

POSTSECONDARY

-Veterinary Assisting

-Landscape
Management



Architecture & Construction

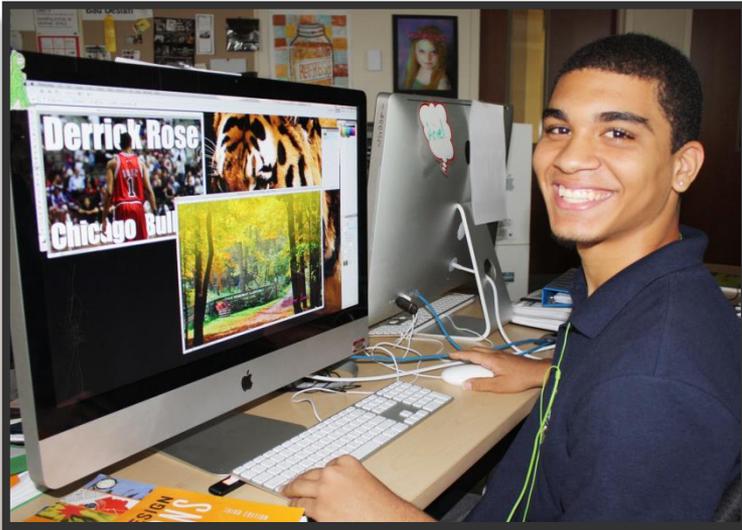
HIGH SCHOOL

- Building Construction Technologies
- Building Trades & Construction Design Technology
- Drafting*

POSTSECONDARY

- Air Conditioning, Refrigeration, and Heating Technology
 - Architectural Drafting*
- Building Construction Technologies
 - Drafting*
 - Electrical Apprenticeship
 - HVAC Apprenticeship
 - Plumbing Apprenticeship

*Science, Technology, Engineering, & Math (STEM)



Career & Technical Education Career Clusters
in Sarasota County Schools

Arts, A/V Technology, & Communication

MIDDLE SCHOOL

- Fundamentals of A/V and Print Technology

HIGH SCHOOL

- Digital Design
- Digital Media/Multimedia Design
- Digital Video Production

POSTSECONDARY

- Digital Design
- Digital Video Production

Career & Technical Education Career Clusters
in Sarasota County Schools

Business Management & Administration



MIDDLE SCHOOL

-Computer Applications in Business

HIGH SCHOOL

- Accounting Applications
- Administrative Office Specialist
- Business Supervision & Management
- Customer Assistance Technology
- Legal Administrative Specialist
- Medical Administrative Specialist

POSTSECONDARY

- Accounting Operations
- Administrative Office Specialist
- Business Supervision & Management
- Customer Assistance Technology
- Legal Administrative Specialist
- Medical Administrative Specialist

Career & Technical Education Career Clusters
in Sarasota County Schools



Education & Training

HIGH SCHOOL

-Early Childhood Education

POSTSECONDARY

-Early Childhood Education

-Early Childhood
Apprenticeship



Engineering

MIDDLE SCHOOL

- Integrated Technology Studies*

HIGH SCHOOL

- Applied Engineering Technology*
- Applied Robotics*
- Pathways to Engineering*
- Technical Design*



Health Science

HIGH SCHOOL

- Allied Health Assisting
- Biomedical Science*
- Emergency Medical Responder
- Health & Wellness
- Medical Laboratory Assisting
- Nursing Assistant
- Practical Nursing

POSTSECONDARY

- Emergency Medical Technician
- Medical Laboratory Assisting
- Nursing Assistant
- Paramedic
- Practical Nursing
- Surgical Technology

*Science, Technology, Engineering, & Math (STEM)



Career & Technical Education Career Clusters
in Sarasota County Schools

Hospitality & Tourism

MIDDLE SCHOOL

- Exploring Hospitality and Tourism Careers
- Fundamentals of Culinary Careers

HIGH SCHOOL

- Commercial Foods & Culinary Arts
- Culinary Arts
- Hospitality & Tourism

POSTSECONDARY

- Commercial Foods & Culinary Arts
- Culinary Arts Apprenticeship

Career & Technical Education Career Clusters
in Sarasota County Schools



Human Services

MIDDLE SCHOOL

- Fundamentals of Human Service Careers
- Introduction to Human Services Careers
- Personal Development

HIGH SCHOOL

- Cosmetology

POSTSECONDARY

- Cosmetology
- Facials Specialty
- Nails Specialty



Information Technology

HIGH SCHOOL

- Computer Systems & IT
- Digital Media Technology
- Game/Simulation/Animation: Visual Design
- Java Development & Programming
- .NET Application Development & Programming
- Technology Support Services*
- Web Development

POSTSECONDARY

- Applied Cybersecurity*
- Computer Systems & IT
- .NET Application Development & Programming

Career & Technical Education Career Clusters
in Sarasota County Schools



Law, Public Safety, & Security

HIGH SCHOOL

- Criminal Justice Operations
- Intro to Fire Fighting

POSTSECONDARY

- Correctional Officer
- Crossover: Correctional Officer to Law Enforcement Officer
- Crossover: Law Enforcement Officer to Correctional Officer
- Fire Fighter
- Law Enforcement Officer
- Private Security Officer



Manufacturing

MIDDLE SCHOOL

-Fundamentals of
Manufacturing*

POSTSECONDARY

-Precision Machining



Career & Technical Education Career Clusters
in Sarasota County Schools

Marketing Sales & Service

HIGH SCHOOL

-Entrepreneurship



Transportation, Distribution & Logistics

HIGH SCHOOL

- Automotive Collision Repair & Refinishing
- Automotive Service Technology
- Marine Service Technology

POSTSECONDARY

- Automotive Collision Repair & Refinishing
- Automotive Service Technology
- Marine Service Technology

Points of Pride



CTSO advisor compensation

Englewood Incubator Center

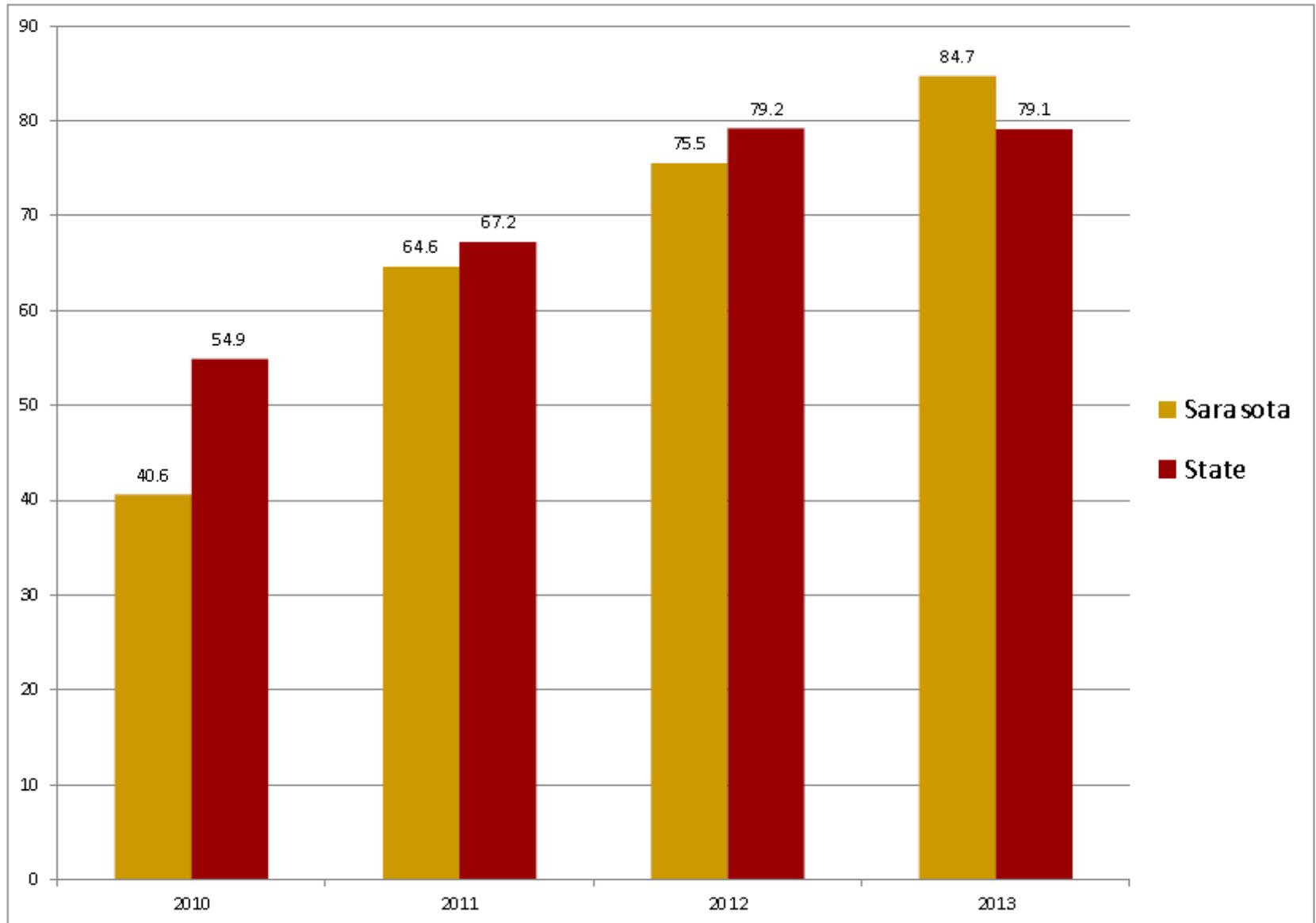
Booker High School Law Academy

Pineview Robotics Lab

McIntosh Technology Lab

Precision Machining Lab (SCTI)

Industry Certification Pass Rates



Elementary Highlights



Paws in Jobland

- Inspire career awareness in K-5 students
- Enable young students to identify their personal interests and explore over 100 different careers using 16 Career Clusters.
- Help students successfully build crucial problem solving, critical thinking and reading comprehension skills with activities, audio and video tracks, and a job finder quiz.
- Save preparation time with online professional resources, including over 50 ready-made lesson plans and activities.
- Involve parents in their children's learning with online access, extending programs beyond the classroom and into the home.
- A variety of online professional resources will help educators save time.



Opportunities in the Coming Year



- Florida Department of Education Program Review, April 21-25
- Assessment of students / instructors in Career and Technical Education
- Development of Post-secondary service options in North Port
- Technical Center Bill in the 2014 Legislative Session

Workforce Development in North Port



- On Monday, January 13th, Part-time, Evening Classes for Adults Began on the Campus of North Port High School
- Development of a Comprehensive Technical Center campus serving the needs of South County on a full-time basis.
- Strengthening of newly formed partnership with the North Port EDC

SCTI – North Port



- Site selection actively underway
- Potential co-location with future Sarasota County Library
- Program Areas
 - High School Career and Technical Education
 - Post-Secondary Adult Vocational
 - Adult Basic Education
 - Adult and Community Enrichment
 - Continuing Workforce Education

SCTI – North Port



Career Development Opportunities ...

- Automotive Service Technology
- Business Technology
- Construction Technology
- Cosmetology
- Culinary Art
- Dental Assisting
- Emergency Medical Services (EMT and Paramedic)
- Manufacturing
- Nursing (CNA and LPN)

SCTI – North Port



Points to Consider ...

- As a branch campus of SCTI, the North Port Campus will be immediately accredited and able to offer federal financial aid to those students who qualify.
- SCTI has the current operational capacity to expand into North Port. As time goes by, this capacity may be shifted to other areas of the state.

Repositioning Technical Centers in Florida



Professional Organizations



The Florida Association for Career and Technical Education

1. FACTE works to encourage professional development by promoting networking, leadership development, and technical updating among members.
2. By fostering excellence in career and technical education, we work to continuously improve our local programs offered in schools statewide.
3. FACTE strives to advocate legislation and public policies that enhance career and technical education.
4. We also conduct activities that result in association growth through membership development, retention and satisfaction.
5. Finally, we strive to strengthen the image of career and technical education at all levels by developing, implementing and evaluating a comprehensive marketing plan.

Professional Organizations



Florida Leadership for Career and Technical Education

- FLCTE is a division of FACTE. It is comprised of the directors of the state's 48 technical centers and the CTE directors of the 67 school districts.
- FLCTE works to provide a vision and direction for CTE in the state of Florida.
- The leadership of FLCTE rotates annually between the secondary and post-secondary membership.

Florida's Public Technical Center System



Who We Are

Currently, we are 48 institutions governed by local School Boards operating in 30 counties throughout Florida.

Each institution offers a wide range of rigorous technical/occupational educational programs linked directly with the needs of the labor markets in their respective communities/regions.

By focusing on students and employers, results are high completion and placement rates in high skill and relatively high wage employment.

Each of the Technical Centers is nationally accredited by the Council on Occupational Education (COE). In addition, many of the centers are also accredited by AdvancEd (Formerly SACS/CASI) and other program specific accrediting bodies.

Florida's Public Technical Center System



Operational Principles

The program structure of Florida's Technical Centers is competency-based, and contextualized. It is designed to prepare students for licensures, industry certifications, and work.

The guiding principles that drive our mission are fourfold:

1. Market Driven
2. Responsive to Business and Industry Needs
3. Cost Effective to Both the Student and the State (taxpayer)
4. Focused on Results – Job Placement and Industry Credentials

Florida's Public Technical Center System



“A Career in a Year”

Florida's Technical Centers are focused on industry certification programs that can be obtained within about a year, or less, of full-time study.

Approximately 90% of the programs offered in our Technical Centers can be completed in a year or less, most of which include industry certification.

During the 2012-13 school year, Florida's Technical Centers served over 243,000 students in over 149 occupational and adult general education programs through 56,846,640 instructional hours resulting in the awarding of 7,755 industry credentials.

Florida's Public Technical Center System



The 2014 Legislative Session

In order to improve, enhance, and expand our capabilities to better meet the needs of the next generation of workers, we have developed a seven plank legislative platform that, if implemented, will serve to reposition and rebrand career and technical education for adults in the state of Florida.

1. Development of a Statewide Student Information System
2. State Funding Model
3. Financial Aid Fee
4. Expansion of Nine Career and Technical Targeted Program Areas
5. Clock to Credit Hour Conversion
6. Awarding of AAS Degrees or College Credit Certificates
7. Technical College Name Change

The Legislative Platform



Development of a Statewide Student Information System

There is a need by the technical centers for a statewide student information system to provide consistency in collecting and reporting the specific information needed to support data driven accountability and decisions that are made locally and statewide.

We are seeking an allocation from the state to develop and validate a technical center student information system with the ultimate goal to make that system available to the technical centers across the state with maintenance funding to each center.

1

The Legislative Platform



State Funding Model

Support continuing the work of the current district workforce education funding steering committee to accurately align current costs and then position the technical centers for future growth and development

2

The Legislative Platform



Financial Aid Fee

Permit each School District to use their discretion in establishing the percentages for collecting and expending student fees for financial aid, capital improvement, and technology enhancements.

The combined amount collected would not exceed the current 20% limit set by the statute.

This change will also not authorize the collection of any additional fees. This action would permit flexibility to School Districts in order to better meet the needs of their students and our post-secondary programs.

3

The Legislative Platform



4

Expansion of Nine Career and Technical Targeted Program Areas

Support the development of a formal mechanism to solicit feedback from the deans and directors each year to determine the targeted CTE areas as well as the industry certifications that support these program areas.

The Legislative Platform



5

Clock to Credit Hour Conversion

Authorize the technical centers to award programs as credit hour instead of clock hour as appropriate and necessary. The Council on Occupational Education (COE) allows for either or both to be offered at the same institution.

The Legislative Platform



Award of AAS Degrees or College Credit Certificates

Authorize the technical centers to award AAS degrees and/or college credit certificates from the inventory maintained by the Florida Department of Education as approved by the governing board of the institution.

6

The Legislative Platform



7

Technical College Name Change

Without any change to the current governing structure, allow authorization of the adoption of the name “Technical College” as authorized by institution’s accrediting body and approved by the governing board of the institution.

THANK YOU!



Thank You for Advocating
for the Workforce
Development needs of
Students and Employers in
Sarasota County

Career & Technical Education

Successes
and
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Sarasota
County
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