Career and Technical Education provides students with opportunities to explore career options in settings that anticipate and address every student's needs: from guidance and counseling to coursework that incorporates both academic and occupational applications.

The mission of the Career and Technical Education Department is to prepare employable, productive citizens who can adapt to a rapidly changing and highly technological global community.
Changing the Message

- Duval County Public Schools has over 20,000 students enrolled in Career and Technical Education courses.

- We offer 204 programs with 43 different industry certifications.
Career Clusters Offered

- Architecture & Construction
- Law, Public Safety & Security
- Energy
- Information Technology
- Transportation, Distribution, & Logistics
- Manufacturing Agriculture
- Food, & Natural Resources
- Aerospace Technologies
- Information Technology
- Arts, A/V Technology & Communication
- Engineering & Technology Education
- Business Management & Administration
- Finance
- Hospitality & Tourism Health Science
- Game/Simulation/Animation Programming

FLDOE CTE Frameworks
Applied Technology Courses

- Carpentry
- Electrical
- Fire/Rescue
- Cosmetology
- HVAC Academy
- Plumbing Academy
- Welding Academy
- Health Sciences and Vet Assisting
- Early Childhood Education
- Animal Biotechnology
- Adv. Manufacturing and Production
- Aviation
- Automotive Automotive
- Finance
- AV & TV Production
CTE Computer Science & IT Courses

Gaming and Simulation
Cyber Security
Web Development
A+ Certification
Networking
JAVA Fundamentals
Computer Science
Digital Information
Career & Technical Education Programs

2018 - 2019

Information Technology
Atlantic Coast; A. Philip Randolph; Jackson; Baldwin; First Coast; Raines
Prepare for careers in the fields of computer operations and programming, web development, and cybersecurity.

Transportation
Frank H. Peterson; Ed White; Ribault
Receive necessary preparation and advanced skills to become an expert in the field of aviation and automotive transportation.

Agriscience, Food & Natural Resources
Terry Parker; Frank H Peterson
Acquire a broad understanding of agricultural technology, natural resources, animal sciences, and plant sciences.

Media, Communication Arts & Animation
Atlantic Coast; Randolph; Jackson; Baldwin; First Coast; Fletcher; Lee; Parker; Raines; Sandalwood; Paxon; Westside
Apply artistic talent to real-world experience by exploring the world of digital art and learning skills in media production.

Health Science
Jackson; Mandarin; A. Philip Randolph
Investigate medical terminology and the body systems and learn about illness prevention and treatment.

Computer Science
Atlantic Coast; A. Philip Randolph; Andrew Jackson; Baldwin; Fletcher; Mandarin; First Coast; Raines; Ribault; Parker; Paxon; Sandalwood; Westside
Prepare for careers in the fields of computer operations and programming, web development, and cybersecurity.

Law & Public Safety
A. Philip Randolph
Explore careers in law enforcement, security, corrections, and firefighting.

Entrepreneurship
Englewood; First Coast; Wolfson; Mandarin
Students are immersed in the real world of start-up companies. Learn to plan, organize, and evaluate business functions essential to productive business operations.

Culinary Science
First Coast; Mandarin; Terry Parker; Peterson; Raines; Westside
Gain a foundation of culinary techniques, working experience in a kitchen setting, and hone the skills necessary for culinary careers.

Engineering
Robert E Lee
Become skilled in electronics, aerospace, architectural and engineering drawing, and design.

Business & Finance
Mandarin; Wolfson; Ribault
Learn the fundamentals in accounting, business management, communication, economics, entrepreneurship, information technology, marketing and personal finance.

Early Childhood
Frank H. Peterson
Students will receive training in the education and care of pre-school and primary-aged child. Comprehensive instruction in child growth and development with an emphasis on child growth and development with an emphasis on child and caregiver is included.

Cosmetology
A. Philip Randolph; Frank H Peterson
Give your career pathway a make over by exploring hairstyling manicuring, shampooing, and skills related to beauty treatment.

Construction
Englewood; A. Philip Randolph; Sandalwood
Master the skills necessary to pursue a career in building construction, carpentry, plumbing, HVAC, and welding.

Participation in CTE programs increases wage, probability and consistency of employment, and leads to higher quality
Benefits of Business Partnerships

- A partnership can be defined as a mutually supportive relationship between a business and a school in which the partners commit themselves to specific goals and activities intended to benefit students and schools.

- Research finds that continued program innovation, greater investments in resources, and stronger collaborations with business and industry are necessary to build on the success of career & technical education.

- Partnerships with businesses provide students with authentic work opportunities, including internships during high school and full-time jobs after graduation.

- Many of our partnerships with local businesses provide equipment, supplies and machinery to programs for the students to use and learn so that they gain real-world experience in business and industry.

- Student benefits from business partnerships by making better career decisions and increasing opportunity to fulfill career aspirations. Businesses benefit by increase community good will and customer connections and building workforce pipeline and business relationships with education community.
Examples of Successful Existing Partnerships

Local businesses are continuing to invest in Duval County Public School students.

As the new year begins, we continue partnering with VyStar Credit Union, Deutsche Bank, JEA, and Interline Brands, Inc.

Through these partnerships, our students receive mentoring and participate in job shadowing, tailored industry training, paid summer internships, and receive priority interviewing after graduation.

<table>
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<td>Asa Phillip Randolph Career Academies</td>
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<td>Englewood High School</td>
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<td>Sandalwood High School</td>
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<tr>
<td>Ribault High School, Mandarin High School, Fletcher High School, Wolfson High School, Fst Coast High School</td>
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Workforce Development Support

Local businesses are continuing to invest in Duval County Public School students. This year we’ve launched a partnership with Deutsche Bank, JEA, and Interline Brands, Inc. Through these partnerships, our students receive mentoring and participate in job shadowing, tailored industry training, paid summer internships, and receive priority interviewing after graduation.

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VyStar Academies

- **Mandarin High School**: Entrepreneurship
- **Jean Ribault High School**: Finance
- **First Coast High School**: Entrepreneurship
- **Samuel W. Wolfson**: Entrepreneurship
- **Duncan U. Fletcher**: Finance

The High School Credit Union Branch Program allows student managers to experience the inner workings of key financial services.
Building a Partnership

School-business partnerships have been shown to benefit both students and businesses:

- Mentoring gives students hands-on experience in a real-world work environment.

- Providing internships to high school students can create a valuable supply of future workers.

- Reinforcing skills helps prepare students for careers in fields, such as logistics, marketing, transportation, and information technology.

- Being available as classroom guest as well as providing students a school field excursion opportunity.
Career & Technical Education Development Workforce

...and initiatives with your most innovative programs. Proud to showcase some of...
Career and Technical Student Organizations

- Business Professional of America
- DECA
- FCCLA
- FFA
- HOSA
- Skills USA
Academies
NCAC, CAPE & NAF Academies

Frank H. Peterson
Health Sciences and Vet Assisting (NCAC, CAPE)
Early Childhood Education (NCAC, CAPE)
Animal Biotechnology (NCAC, CAPE)
Advanced Manufacturing Automation and Production Technology (NCAC, CAPE)
Aviation Career Academy (NCAC, CAPE)
Information Technology Academy (NCAC, CAPE)
Automotive Automotive Academy (NCAC, CAPE)
Cosmetology Academy (NCAC, CAPE)

Mandarin High School
Center for Medical Studies (NAF, CAPE)
Jean Ribault
Vystar Academy of Finance (NAF, CAPE)
Robert E. Lee High School
Engineering Academy (CAPE)
Terry Parker High School
Culinary Arts Academy (CAPE)

National Career Academy Coalition
College Career Life

Florida Bright Futures Scholarship Program

NAF BE FUTURE READY
Academies
Preparing Students for the Future

A. Philip Randolph
Carpentry Academy (NCAC, CAPE)
Criminal Justice Academy (NCAC, CAPE)
Electrical Academy (NCAC, CAPE)
Fire/Rescue Academy (NCAC, CAPE)
Health Sciences Academy (NCAC, CAPE)
Cosmetology Academy (NCAC, CAPE)
HVAC Academy (NCAC, CAPE)
Information Technology Academy (NCAC, CAPE)
Plumbing Academy (NCAC, CAPE)
Welding Academy (NCAC, CAPE)

First Coast High School
VyStar Academy of Finance (NAF, CAPE)
Fletcher Duncan High School
VyStar Academy of Finance (CAPE)
Mandarin High School
VyStar Academy of Finance (CAPE)
Andrew Jackson High School
Cyber-Coding Academy (NAF, CAPE)
Andrew Jackson High School
Sports Medicine Academy (CAPE)
Northwestern Middle
Coding Academy (CAPE)
Advisory Committees

- Architecture & Construction
- Law, Public Safety & Security
- Energy
- Information Technology
- Transportation, Distribution, & Logistics
- Manufacturing
- Food, & Natural Resources
- Aerospace Technologies
- Information Technology
- Arts, A/V Technology & Communication
- Engineering & Technology Education
- Business Management & Administration
- Finance
- Hospitality & Tourism Health Science
- Game/Simulation/Animation Programming
CTE Achievements
2018 - 2019 School Year

Biomedical Program
Mandarin High School Students Win Medals at the FCCLA Competition

NCAC Academies
Frank H. Peterson win Model Academy Awards

Highly Effective Teachers
Holy Hultgen received the Exemplary teacher award at the NCAC conference

Culinary Program
Received awards in culinary challenges
Contact

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