



# Columbia County Schools Career & Technical Education

Angela Coppock, Director



# What is Career & Technical Education?

- 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, while building 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 more broadly by integrating CTE with academic standards. CTE courses and programs can lead to an industry-recognized credential, a certificate, an associate's degree, or further education.



# How do CTE Programs work in Schools?

Middle school students have the chance to explore careers and programs that align to our offerings in our high schools

High school students have the opportunity to explore a career while learning technical and employability skills that integrate into their academic studies. Students are provided the opportunity to earn an industry recognized credential at no charge. Students are exposed to specialized technical instruction that prepares them for work after graduation or enroll in post secondary vocational programs for advanced degrees



What CTE programs do we  
offer in  
Columbia County Schools ?



# Nursing Assistant

The Nursing Assistant program offers an introduction to the healthcare field with an emphasis on entry level employment as a Certified Nursing Assistant and/or advanced careers through continued education. Students are provided instruction through classroom theory, labs, and clinical skills.

## Industry Certifications offered:

Certified Nursing Assistant

Certified Medical Administrative Assistant

EKG Tech

Phlebotomy (Career Dual Enrollment)



# Animal Science

This program teaches our students how agriculture plays a key role in the U.S. and world economy along with hands on instruction in plants, mechanics, and leadership development. Our animal science students work hands on with animals learning about the different breeds, care, nutrition, medical needs and natural resources.

## Industry Certifications offered:

Agriculture Associate

Animal Science Specialist



# Advanced Manufacturing Technology

This program prepares students for entry into the manufacturing industry. Content emphasizes beginning skills key to the success of working in the manufacturing industry. Students understand the technology and the concept of design for manufacturing, student workplace safety, workplace organization, workplace communication, essential machine use and basic tool operation

## Industry Certifications offered:

AutoCAD

Fusion360 (being considered)



# Journalism & Multimedia

Students in this program explore basic applications of various multimedia tools to create visual and written projects in both digital and print formats

Students are responsible for creating the yearbook as their yearly culminating project

## Industry Certifications offered:

Adobe Web, Video, and Visual Design

WordPress Certified Editor



# Digital Media Technology

Students use the latest industry hardware and software to complete projects multimedia that include video production, audio editing, and special effects. This program leads to exciting careers in web development, animation, graphic design, public relations, gaming and programming.

## Industry Certifications offered:

Adobe Web, Video, and Visual Design

WordPress Certified Editor



# Welding Tech Fundamentals

Our world class Welding program is designed to help students gain the basic welding, fabricating, math and problem solving skills needed to qualify for entry level employment or apprenticeship opportunities

Industry Certifications offered:

AWS Certified Welder SMAW, FCAW, GMAW



# Culinary Arts & Hospitality

While applying classroom theory in an industrial kitchen, students will learn food preparation and cooking methods, food handling techniques, and sanitation procedures.

## Industry Certifications offered:

Certified Food Protection Manager (ServSafe)

Certified Food Safety Manager



# Business Management & Analysis

This program prepares students for careers in business and financial industries. The content focuses on broad, transferable skills of business supervision including communications and human resource management, finance, technology, computer applications, and business ownership.

## Industry Certifications offered:

Microsoft Office Specialist

Entrepreneurship & Small Business



# Building Trades & Construction

This program prepares students for employment or advanced training in the building construction industry. Content includes but it not limited to applying construction techniques, reading plans and specifications and developing trade skills in carpentry, masonry, electricity, plumbing, and air conditioning.

## Industry Certifications offered:

HBI PACT Core

HBI PACT Core Green

HBI PACT Building Construction Technology

HBI PACT Carpentry

HBI PACT Electrical



# Early Childhood Education

Designed to teach students the aspects of teaching and working with young children from birth through elementary age. Students will develop the characteristics of successful teachers and childcare providers by applying skills learned to their rotation experiences where they work with young children in elementary school and daycare settings

## Industry Certifications offered:

Child Development Associate (CDA)



# Some of our Valued Partners





# So What's New...

We are pleased to announce that Columbia County Schools has entered into a memorandum of understanding (MOU) with Space Florida. Our school district will be recognized as a "Space Florida Academy" participating school district. The primary objective of this collaboration is to enhance our students' awareness and readiness in aerospace and related industries.

Currently, CHS offers programs in Advanced Manufacturing, Building Trades and Design Technology, and Welding Tech Fundamentals. These programs align with Space Florida's vision to cultivate a proficient workforce to cater to the state's current and anticipated future growth.





# Space Florida Continued...

Space Florida has hosted several convenings throughout 2022 and 2023 with the world's leading aerospace employers and suppliers together with Florida's training providers: local workforce boards, school districts, technical colleges, state colleges and universities. The outcome from these convenings resulted in generating an exhaustive skills list that can be obtained throughout the educational timeline, from secondary to postsecondary. Hence, creating Space Florida Space Academy

Space Florida Space Academy can be implemented in any Florida school district. Space Academy houses multiple career pathways in the aerospace and related industries: aerospace/aviation, advanced manufacturing, construction, cybersecurity and logistics. Within each of the industry verticals are the regionally-demanded skills/credentials that can be earned that are essential to employers in that given industry.

**SPACE FLORIDA**

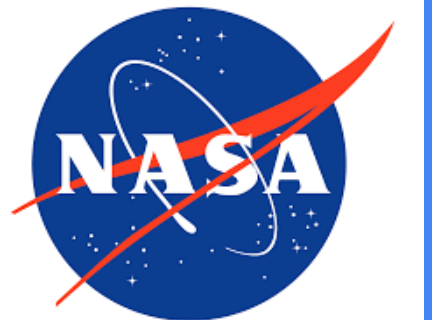


**BLUE ORIGIN**

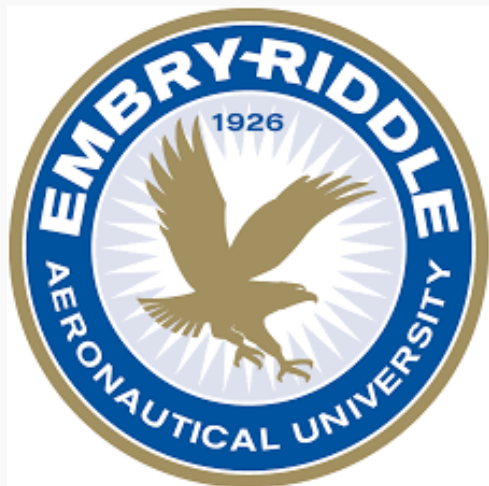


# Some of our Newest Partners

**LOCKHEED MARTIN**



...Thats not It



We recently signed an MOU with Embry Riddle Aeronautical University to begin a Remote Pilot Operations course. Students will learn about the FAA regulations, flight safety and training principles, mission planning, the basics of unmanned aerial systems, and more!!





**Angela Coppock**

**Director of Career, Technical & Adult Education**

**[coppocka@columbiak12.com](mailto:coppocka@columbiak12.com)**

**Tiara Arline**

**Coordinator of College, Career, & Technical Education**

**[arlinet@columbiak12.com](mailto:arlinet@columbiak12.com)**