



UNMANNED AIRCRAFT SYSTEMS PATHWAY



PATHWAY OVERVIEW

The Unmanned Aircraft Systems pathway helps students build knowledge and hands-on skills in transportation systems, logistics, maintenance, and operational safety.

Through Fundamentals of Aerospace, Flight Operations, and Unmanned Aircraft Systems, students prepare for postsecondary education, industry credentials, and work-based learning experiences connected to the field.



CAREER CLUSTER

Supply Chain & Transportation

COURSE SEQUENCE + WORK-BASED LEARNING

1

Fundamentals of Aerospace

Introduces aerospace principles, aviation systems, safety, navigation, and career opportunities in the aerospace industry.



2

Flight Operations I

Explores aircraft operations, weather, navigation, flight planning, communications, and procedures used in safe aviation operations.



3

Unmanned Aircraft Systems

Develops hands-on skills in drone operations, flight planning, safety, regulations, mission applications, and unmanned aircraft technology.



Work-Based Learning (Capstone Experience)

Gain hands-on experience with transportation, logistics, aviation, automotive, and maintenance partners through internships and supervised workplace learning.

LEADERSHIP + INDUSTRY CONNECTIONS

CAREER & TECHNICAL STUDENT ORGANIZATION



COMPETITION OPPORTUNITIES

- Job Interview
- Related Technical Math
- Aviation Maintenance Technology



CHAPTER ACTIVITIES

- Transportation safety lab
- Logistics simulation
- Maintenance project
- Leadership conferences
- Technical competition
- Service projects



CO-CURRICULAR / INDUSTRY EXPERIENCES

- ASE Entry-Level Certification
- Industry panels
- Local industry visits
- Transportation Education Foundation of Georgia (TEFGA)

SCHOOLS OFFERING THIS PATHWAY

College and Career Academy

CAREER OPPORTUNITIES

CAREERS

Drone Pilot

UAS Technician

Aerial Data Specialist

ATLANTA-AREA EMPLOYERS



DroneUp



POSTSECONDARY OPPORTUNITIES



LOCAL / REGIONAL INSTITUTIONS

- Georgia Institute of Technology
- Ghattahoochee Technical College
- Gwinnett Technical College

DUAL ENROLLMENT

Metro-area dual enrollment options may include automotive or diesel technology, aviation, avionics, logistics, distribution, supply chain management, or unmanned aircraft systems; verify through Georgia Futures.

