

# DRONE/UNMANNED AIRCRAFT SYSTEMS PATHWAY

The Unmanned Aircraft Systems Pathway provides students a fundamental knowledge base in aviation history and regulations, the basics of flight, aerospace careers, and factors influencing work. This pathway provides a foundation for a student to earn a commercial license to pilot an unmanned aircraft system. Topics covered will be weather and effects of weather on an unmanned aircraft, types and uses of unmanned aircraft, pre-flight planning and checks, FAA requirements, technology and remote instruction, radio communications, and more. Students will have an opportunity to earn their remote pilot license by taking and successfully passing the FAA Part 107 Exam.

## PATHWAY COURSES

- Fundamentals of Aerospace
- Flight Operations I
- Unmanned Aircraft Systems

## RECOMMENDED COURSES

- Any Business or Marketing Course
- Any World Language
- Any Engineering Course
- Chemistry/Physics/Environmental Science
- Human Geography

## POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

### TECHNICAL COLLEGES

- Drone Technology
- FAA Part 107 Certificate
- Unmanned Aircraft Systems Operations
- Drone Training
- Unmanned Aerial Systems

### COLLEGES/UNIVERSITIES

- Aeronautics and Engineering
- Aerospace Science
- Air Traffic Management
- Aviation Management
- Aviation Safety and Operations
- Unmanned Aircraft Systems Science

## CAREER AND TECHNICAL STUDENT ORGANIZATIONS



- Alliance Academy for Innovation
- Denmark High School
- East Forsyth High School
- Forsyth Central High School
- Forsyth Virtual Academy
- Lambert High School
- North Forsyth High School
- South Forsyth High School
- West Forsyth High School

## TOP CAREER CHOICES

**Unmanned Aircraft Vehicle (UAV) Pilot**  
\$80,415 annual salary

**Public Safety/Emergency Services**  
\$77,892 annual salary

**Surveyors and Mapping Technicians**  
\$66,680 annual salary

**Television, Video and Film Camera Operators and Editors**  
\$61,900 annual salary

**Photographers**  
\$41,280 annual salary

## ADDITIONAL CAREER CHOICES

Unmanned Aircraft Vehicle (UAV) Pilot  
Public Safety/Emergency Services  
Surveyors and Mapping Technicians  
Television, Video, and Film Camera Operators and Editors  
Photographers  
Delivery Services  
Insurance and Claim Research  
Lighting Technician  
Delivery Services  
Engineering  
Insurance and Claim Research  
Mining Inspections  
Research Hazardous Material Inspections  
Nuclear Power Plant Inspections  
Sewer and Cave Inspections  
Telecommunications and Utility Companies



Forsyth County Schools  
**CAREER EXPLORATION & Pathway Discovery**  
CTAE Career Pathways / Fine Arts Pathways



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>