

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



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>