# GREEN RIVER COLLEGE
# ASSOCIATE IN APPLIED SCIENCE
# UNMANNED AERIAL SYSTEMS

**90 Credits**

This degree will introduce students to the world of unmanned aerial systems (UAS) and will allow them to learn about the regulatory environment, licensing issues, operational requirements, and commercial uses of unmanned aerial vehicles (UAV). The degree will also instruct students in basic and advanced flying skills with emphasis in photography, surveying, and inspections. Additionally, the program will instruct in component integration and UAS building.

**Contact:**     Jerry Wolfe, ext. 4339, jwolfe@greenriver.edu

| Dept./No. | Course Title | Credits |
|---|---|---|
| A SIM 111 | Private Pilot Flight Simulations | 1 |
| AVIA 103 | Aviation History and Careers | 5 |
| AVIA 111 | Private Pilot Ground School | 5 |
| AVIA 123 | Aviation Weather | 5 |
| AVIA 211 | Aerodynamics for Pilots | 5 |
| AVIA 212 | Aviation Safety and Human Factors | 5 |
| #AVIA 270 | Air Traffic Control Fundamentals | 5 |
| #CMST& 210 or | Interpersonal Communications or | |
| CMST& 220 or | Public Speaking or | |
| CMST& 230 | Small Group Communication | 5 |
| #ENGL& 101 or | English Composition I or | |
| ENGL 126 or | Writing: Humanities or | |
| ENGL 127 or | Writing: Social Sciences or | |
| ENGL 128 | Research Writing: Science/Engineering/Business | 5 |
| Humanities/Fine Arts/English | Any Humanities/Fine Arts/English course 100 level or higher | 5 |
| #MATH 106 or | Essentials of Pre-Calculus Math or | |
| MATH& 107 or | Math in Society or | |
| MATH 108 or | Contemporary Math for Information Technology or | |
| MATH& 141 or higher | PreCalculus I or higher | 5 |
| NATRS 107 | Drones Operations | 2 |
| NATRS 109 | Introduction to Unmanned Aerial Systems | 5 |
| NATRS 172 | Computer Applications Overview | 4 |
| Natural Science | Any Natural Science course 100 level or higher with a lab | 5 |

**Electives:** *Select 23 credits from the following list of courses below to total 90 credits:*

Any AVIA or A SIM, BUS, Computer / IT courses.

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|---|---|---|
| D T 116 | Introduction to 3D Printing | 2 |
| D T 117 | Modeling for 3D Printing | 4 |

*# Satisfies related instruction requirements.*

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