



DABNEY S. LANCASTER
COMMUNITY COLLEGE

Unmanned Aerial Systems Maintenance and Operations

Career Studies Certificate
Program Code: 221-810-06
2021-2022 Catalog

Jay Hooper, Program Head
jhooper@dslcc.edu
(540) 863-2841
www.dslcc.edu

Purpose

The Unmanned Aerial Systems Maintenance and Operations Technician Career Studies Certificate prepares students for entry-level positions in drone operations and maintenance.

Admission Requirements

Students who meet the admission requirements to the College are eligible for enrollment into the program. Individuals are expected to be proficient in basic English, mathematics and reading. Appropriate developmental courses are available for those who need to update their skills.

Program Description

This program is designed to target non-traditional students who already have a background in fields that can benefit from this emerging Unmanned Aerial Systems technology to include first-responders, forestry, and agriculture. Secondary audiences include Electrical and Instrumentation students, high school graduates seeking to be involved in UAS technology, and dually-enrolled students in Science, Technology, Engineering, or Mathematics (STEM).

Employment Outlook

Potential employers predict this will be a rapidly growing industry in the Alleghany Highlands with significant workforce needs in the very near future. Potential Careers include Mission Control Facility Analysts, Software Developers, UAS Testers, Rapid Prototyping Technicians, and Maintenance Technicians with salaries for most positions over \$46,000 per year.

1000 Dabney Drive
Clifton Forge, Virginia 24422
540.863.2820
SSFrontDesk@dslcc.edu

35 Vista Links Drive
Buena Vista, Virginia 24416
540.261.1211
RRCFrontDesk@dslcc.edu

| Course Number | Course Name | Cr. | Pre/Co Requisites | Semester | Grade |
|------------------------|--|-----|-----------------------|----------|-------|
| Fall Semester | | | | | |
| UMS 107 | Small Unmanned Systems Remote Pilot Ground School | 3 | | F | |
| UMS 111 | Small Unmanned Aircraft Systems | 3 | | F | |
| UMS 112 | Small Unmanned Systems Program and Flight Data Management | 3 | | F | |
| Spring Semester | | | | | |
| UMS 177 | Small Unmanned Aircraft Systems Components and Maintenance | 3 | | SP | |
| UMS 211 | Small Unmanned Aircraft Systems II | 3 | Prerequisite: UMS 111 | SP | |
| EEE | Career Elective* | 2 | Prerequisite: ELE 150 | SP | |

Minimum credit hours required for career studies certificate: 17

*Recommendation for elective is GIS 200

TRANSFER OPTIONS

Agreements exist between Dabney S. Lancaster Community College and various four-year colleges and universities. Contact Student Services for information about further study after graduation from DSLCC.

DISCLAIMERS

Every effort is made to ensure accuracy, but the College reserves the right to make edits with respect to course offerings, programs and requirements contained in this publication. This information is provided for the convenience of the reader and DSLCC disclaims any liability.

Please note that not all courses are offered at all locations or during all sessions. Check class sites and times when registering. Most programs of study begin in the fall semester. Please note that while new students are welcome to enroll in any session, those who enter in spring or summer will likely find that completion of requirements may take longer.