

UNMANNED AIRCRAFT SYSTEMS, CERTIFICATE OF COMPLETION



Certificate of Completion: CCL 5982

34 Credits

Program Contact

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Program Description

The Certificate of Completion (CCL) in Unmanned Aircraft Systems (UAS) program prepares students for entry level positions in the UAS industry by providing foundational knowledge and skills in UAS mission planning, applications, maintenance, laws and regulations, data analytics, and project management using UAS platforms. Program content includes an introduction to UAS flight, history, avionics, sensors, communications systems and selectable paths including data analysis and applications such as emergency responders, geographic information systems, precision agriculture, and in commercial and government sectors. Students will prepare for and conduct unmanned flights similar to those commonly performed in the industry observing Federal Aviation Administration's (FAA) regulations that govern UAS operations. This program helps prepare students for the FAA Part 107 Certification.

Program Notes

Students must earn a grade of "C" or better for all courses required within the program. Overall program minimum GPA = 2.00.

++ indicates any suffixed course may be selected.

Admission Criteria

Students wishing to enroll in the Unmanned Aircraft Systems program must complete an application process before being officially accepted into the program.

Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
Required Courses			
AET208	Aviation Safety	3	_____
UAS100	sUAS Batteries and Electronics	5	_____
UAS101	Introduction to Unmanned Aircraft Systems Operation	3	_____
UAS107	Unmanned Aircraft Systems Operator Certification	3	_____

UAS205	sUAS Instruments and Autopilot Programming and Uses	3	_____
UAS206	sUAS Instrument and Autopilot Flight Lab	2	_____
UAS207	sUAS Dynamics and Design	5	_____
UAS208	sUAS Dynamics and Design Lab	2	_____
UAS211	sUAS Ground Control Stations, Telemetry, and Communications	3	_____
UAS212	sUAS Maintenance Lab	2	_____
UAS215	sUAS Commercial Flight Training	3	_____
Total Credits		34	_____