

Small Unmanned Aircraft Systems Specialist, Professional Series

This program is designed to provide students with the theoretical knowledge and practical skill necessary to safely operate a small-unmanned aircraft system (sUAS) within the National Airspace System. The coursework focuses on safe sUAS operation for aerial video production, the collection and processing of aerial and geospatial data as well as piloting requirements under Code of Federal Regulations Title 14 Part 107. As part of this professional series certificate of achievement, students will prepare to earn their Federal Aviation Administration Remote Pilot Certificate with a Small Unmanned Aircraft Systems Rating. Some of the coursework may require fieldwork and flight laboratories.

For additional information, please contact faculty advisor, Anthony Esposito at (609) 625-1111 ext. 2032 or aesposit@atlanticcape.edu, or department chair, Dr. Otto Hernandez, at (609) 343-4978 or hernande@atlanticcape.edu.

Upon completion of this program students will be able to:

- Safely operate a small unmanned aircraft system safely in the National Airspace System;
- Utilize a small unmanned aircraft system to collect imagery and geospatial data;
- Process aerial imagery and geospatial data using industry standard software applications.

(ZUAS)

Courses

Course #	Title	Credits
ATCT120	Aviation Weather	3
AVIT140	Small Unmanned Aircraft Systems Operation-Multi-Rotor	3
AVIT185	Remote Sensing Using Unmanned Aircraft Systems	4
AVIT245	Professional sUAS Operations	3
GIST101	Introduction to Geographic Information Systems	4
	Choose: AVIT/TVRF263 (1 cr.) or CISM/ENVL122 (3 cr.)	1-3
	Total Credits	18-20