

# UNMANNED AIRCRAFT SYSTEMS, CERTIFICATE OF ACHIEVEMENT

Not Financial Aid Eligible  
Banner Code: 1\_CN\_UMA  
Control Number: 38209

The program curriculum allows students to explore the entirety of unmanned aircraft systems. Courses highlight specific characteristics of different aircraft, how they are built, and the fundamentals of control and propulsion systems. Students will explore how unmanned aircraft systems integrate into the larger aviation systems, including safety policies, regulations, and automation procedures.

The program can be tailored to meet the needs of individual students without any prior unmanned aircraft systems operating experience. Upon completion of the program students will be prepared to become commercial FAA Part 107 Unmanned Aircraft Systems operators, technicians, and programmers, or photo/videographers in various industry sectors in a broad range of applications.

## Program Outcomes

1. Students will develop the analytical and critical thinking skills necessary for completion of UAS training and successful completion of federally administered knowledge examinations for remote pilot certification.

## Certificate of Achievement Requirements

The Certificate of Achievement is a state-approved career program that requires a minimum of eight units and is designed to prepare the graduate to enter a particular field of employment. In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing their final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog. Check with a counselor to determine the requirements for completion.

A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog.

Course	Title	Units
<b>Required Courses</b>		
APT A131	Introduction to Unmanned Aircraft Systems	3
APT A160	Introduction to UAS Automation	4
FILM A228	Photogrammetry and Volumetric Image Capture	3
ELEC A100	Electronic Problem Solving	3
<b>Select six (6) units from the following:</b>		<b>6</b>
FILM A110	Film Production 1	
FILM A227	Drone Imaging for Immersive Media	

Course	Title	Units
PHOT A180	Introduction to Professional Photography	
ELEC A111	D.C. Circuits	
ELEC A223	Embedded Control Systems	
APT A151	Unmanned Aircraft Systems Lab	
APT A152	Unmanned Aircraft Systems Advanced Lab	
<b>Total Units</b>		<b>19</b>