

UAV/UAS (Drone) Certificate & Degree Requirements

Goals and Objectives of the Program:

This program prepares students to meet the Federal Aviation Administration requirements to operate lightweight and heavier Unmanned Aircraft Vehicles (UAVs) in commercial operations, utilizing Unmanned Aircraft Systems (UAS).

Career Path:

Basic UAV/UAS Certificate = 16 units

Advanced UAV/UAS Certificate = 35 units

Associate in Science Degree UAV/UAS = 60 units (Advanced Certificate + General Education Requirements)

To earn the Basic certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College. The Basic Certificate offers students a career ladder from which they may experience incremental success as they progress to an Advanced Certificate and an Associate in Science Degree. The "basic" designation is intended to make clear that Cypress College considers students with this certificate to be eligible for internships, but not necessarily ready for employment unless they have completed significant coursework in another discipline.

To earn an Associate Degree students must complete: (1) all major course requirements with a minimum grade of "C"; (2) 25 units of General Education Graduation Requirements; (3) the cultural diversity and reading requirements; (4) any elective courses to complete a minimum of 60 units; and, (5) have a minimum GPA of 2.0. At least 50% of all major course work must be completed at Cypress College. Courses that fulfill major requirements for an Associate Degree at Cypress College might not be the same as those required for completing the major at a transfer institution offering a Baccalaureate Degree. For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

Basic UAV/UAS Certificate 16 Units (Courses are 3 units except as noted. F=Fall S=Spring Su=Summer)

Core Course Requirements: (6 courses)

_____ ATC 102	Career Communication/Portfolio (F, S)
_____ ATC 132	Private Pilot (F, S) 4-units
_____ ATC 136	Air Navigation (S)
_____ ATC 160	UAV/UAS Basic (F, S)
_____ ATC 161	UAV/UAS Basic Simulator (F, S) 1-unit
_____ ATC 162	UAV/UAS Basic Flight (F, S) 2-units

_____ **16 Total Units Required for Basic Certificate**

Advanced UAV/UAS Certificate 35 Units (Includes Basic Certificate + 19 Units)

Core Course Requirements: (8 additional courses)

_____ ATC 140	Meteorology (F)
_____ ATC 144	Aircraft & Engines (F)
_____ ATC 197	Flight Simulator Instrument (F, S) 1-unit
_____ ATC 232	Instrument Rating (S)
_____ ATC 256	Crew Resource Management (F)
_____ ATC 260	UAV/UAS Advanced (F, S)
_____ ATC 261	UAV/UAS Advanced Simulator (F, S) 1-unit
_____ ATC 262	UAV/UAS Advanced Flight (F, S) 2-unit

_____ **35 Total Units Required for Advanced Certificate**

Associate in Science Degree UAV/UAS: 60 Units (Advanced Certificate + GE)

Combine the above Advanced Certificate with the general education requirements outlined in the Cypress College Catalog.

Key Tips: You may "dual major" by applying some of these courses to other ATC Degree/Certificate Programs. Remember to apply for certificates/degrees/graduation at the **beginning** of your the semester that you will finish the certificate or degree.

Student Educational Planner (Sample)

UAV/UAS (Drone) Certificate & Degree

Basic / Advanced

▶ Fall 20__		▶ Spring 20__		▶ Summer 20__	
Course	Units	Course	Units	Course	Units
ATC 132	4	ATC 136	3		
ATC 160	3	ATC 102	3		
ATC 161	1	ATC 232	3		
ATC 162	2	ATC 260	3		
ATC 256	3	ATC 261	1		
		ATC 262	2		
Total	13	Total	15	Total	

▶ Fall 20__		▶ Spring 20__		▶ Summer 20__	
Course	Units	Course	Units	Course	Units
ATC 140	3				
ATC 144	3				
ATC 197	1				
Total	7	Total		Total	

▶ Fall 20__		▶ Spring 20__		▶ Summer 20__	
Course	Units	Course	Units	Course	Units
Total		Total		Total	

Please note: This student education plan (SEP) is offered as a suggestion only. Students may modify it by taking more or fewer classes as needed. Students wishing to exceed 18 units per semester will need to meet with a counselor. Students wishing to complete an AS Degree and/or transfer should meet with a counselor to modify their course plan to include general education courses.

Dual Majors: You may opt to “dual major” by applying some of these courses to other degrees and certificates in the Aviation & Travel Careers Program. Remember to apply for certificates/degrees/graduation at the **beginning** of your last semester.

