

GOALS AND OBJECTIVES

This **UAV/UAS** 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).

CERTIFICATES

UAV/UAS Basic

UAV/UAS Advanced

To earn the Basic/Advanced Certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major coursework must be completed at Cypress College. The Basic/Advanced 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 and entry level employment.

DEGREE

Associate in Science Degree in UAV/UAS

To earn an Associate's Degree, students must complete:

- (1) all major course requirements with a "C" or better;
- (2) 25 units of General Education 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.

For information on specific university requirements, please consult with your counselor, or visit the Transfer Center.

CERTIFICATE

UAV/UAS Basic Certificate = 16 units

Program Code: 1C35422

Required courses are listed in numeric sequence:		Units
_____ ATC 102 C	Career Communication/Portfolio (F, S, Su)	3
_____ ATC 132 C	Private Pilot (F, S)	4
_____ ATC 136 C	Air Navigation (S)	3
_____ ATC 160 C	UAV/UAS Basic (F, S)	3
_____ ATC 161 C	UAV/UAS Basic Simulator (F, S)	1
_____ ATC 162 C	UAV/UAS Basic Flight (F, S)	<u>2</u>
Total Units Required		16

UAV/UAS Advanced Certificate = 35 units

Program Code: 1C35423


Required courses are listed in numeric sequence:		Units
_____ ATC 102 C	Career Communication/Portfolio (F, S, Su)	3
_____ ATC 132 C	Private Pilot (F, S)	4
_____ ATC 136 C	Air Navigation (S)	3
_____ ATC 140 C	Meteorology (F)	3
_____ ATC 144 C	Aircraft & Engines (F)	3
_____ ATC 160 C	UAV/UAS Basic (F, S)	3
_____ ATC 161 C	UAV/UAS Basic Simulator (F, S)	1
_____ ATC 162 C	UAV/UAS Basic Flight (F, S)	2
_____ ATC 197 C	Flight Simulator Instrument (F, S)	1
_____ ATC 232 C	Instrument Rating (S)	3
_____ ATC 256 C	Crew Resource Management (F)	3
_____ ATC 260 C	UAV/UAS Advanced (F, S)	3
_____ ATC 261 C	UAV/UAS Advanced Simulator (F, S)	1
_____ ATC 262 C	UAV/UAS Advanced Flight (F, S)	<u>2</u>
Total Units Required		35

DEGREE

Associate in Science Degree UAV/UAS = 60 Units

Program Code: 1A35448

Combine the above **Advanced UAV/UAS Certificate with the local general education requirements** outlined in the Cypress College Catalog.

 **Key Tips:** You may opt to "double 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 last semester.

Student Educational Planner

UAV / UAS Certificates & Degree

Basic

Advanced

A.S. Degree

► Fall 20						► Spring 20						► Summer 20					
Course	C/D	CGE	CSU	UC	Units	Course	C/D	CGE	CSU	UC	Units	Course	C/D	CGE	CSU	UC	Units
ATC 102 C	✓				3	ATC 136 C	✓				3						
ATC 132 C	✓				4	ATC 197 C	✓				1						
ATC 160 C	✓				3	ATC 232 C	✓				3						
ATC 161 C	✓				1	ATC 260 C	✓				3						
ATC 162 C	✓				2	ATC 261 C	✓				1						
						ATC 262 C	✓				2						
Total					13	Total					13	Total					

► Fall 20						► Spring 20						► Summer 20					
Course	C/D	CGE	CSU	UC	Units	Course	C/D	CGE	CSU	UC	Units	Course	C/D	CGE	CSU	UC	Units
ATC 140 C	✓				3	A2 Analytical Thkg (ENGL 103 C)	✓	✓	✓	✓	4						
ATC 144 C	✓				3	B1 Natural Science	✓	✓	✓		3						
ATC 256 C	✓				3	B2 Mathematics	✓	✓	✓		3						
A1 Written Comm (ENGL 100 C)	✓	✓	✓	✓	4	C1 Arts	✓	✓	✓		3						
E Physical Activity		✓			1	D Social Science	✓	✓	✓		3						
Total					14	Total					16	Total					

► Fall 20						► Spring 20						► Summer 20					
Course	C/D	CGE	CSU	UC	Units	Course	C/D	CGE	CSU	UC	Units	Course	C/D	CGE	CSU	UC	Units
C2 Humanities	✓	✓	✓		3												
D Social Science	✓	✓	✓		3												
Cultural Diversity	*				3												
Reading Proficiency	*				3												
Total					12	Total						Total					

*C/D: Certificate/Degree course requirements

CGE: Cypress College Native General Education requirements for Associate Degree

UC: University of California & California State University (Transferable)

CSU: California State University General Education Breadth requirements

*: Can be met with General Education. See counselor or catalog for details.

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 19 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.

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