**Cypress College Aviation & Travel Careers**

###### 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.

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#### 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.

*Effective: Fall 2017*

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** |
|  |  |  |  |  |  |
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|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **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.