COCHISE COLLEGE

DEGREE MAP

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites, and presumes a fall start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Program Name: Remotely Piloted Vehicle Operations-Associate of Applied Science Degree

Location(s) Offered:

Douglas Campus

Learning Outcomes: *Students who successfully complete this program will be able to do the following:*

1. Demonstrate the theoretical knowledge and practical skills to safely employ unmanned systems, incorporating the aerial vehicle, mission payload, flight operations, ground and marine based vehicles.
2. Plan and employ unmanned systems to collect information requested by clients.
3. Operate unmanned aircraft systems within the national airspace system and comply with all current rules and regulations.
4. Analyze full motion video and interpret, at an advanced level, the images provided.
5. Prepare and present written and oral reports in a clear and concise manner that include mission objective, methodology, outcomes, and recommendations to clients.

Course or program prerequisite(s) not included in the degree:

CIS 179 Applied Technical Writing requires RDG 122 Reading Critically or exemption.
ENG 101 Composition requires appropriate English placement score (or see advisor).
MAT 132 Applied Mathematics requires appropriate mathematics placement score (or see advisor).

Program Reviewed: Feb 22, 2016

Key:
IW=Intensive Writing
F2F=Face-to-Face Instruction
ITV=Instructional Television
VC=Virtual Campus/Online

Requirements	Course(s) Recommended	Delivery Method	Credits
First Semester (Fall):			
Core Curriculum	UAS 101 Introduction to Unmanned Aircraft Systems	F2F	3
Core Curriculum	UAS 121 Remote Sensing and Imagery	F2F	3
Core Curriculum	UAS 200 Unmanned Aircraft Systems Ground School	F2F	3
Core Curriculum	UAS 210 Crew Resource Management - UAS	F2F	3
General Education-Composition	ENG 101 Composition	F2F,VC	3
Second Semester (Spring):			
Core Curriculum	CIS 150 Essentials of Networking	F2F,VC	3
Core Curriculum	UAS 103 Simulations for Unmanned Systems	F2F	4
Core Curriculum	UAS 220 Unmanned Systems Safety	F2F	3
General Education-Composition	ENG 102 English Composition	F2F,VC	3
General Education-Technology Literacy	CIS 116 Computer Essentials or CIS 120 Intro to Info Systems	F2F,VC	3
Third Semester (Fall):			
Core Curriculum	CIS 179 Applied Technical Writing	F2F,VC	3
Core Curriculum	UAS 132 Multi-Rotor Flight	F2F	4
Core Curriculum	UAS 212 Maintenance and Repair for Operators	F2F	3
General Education-Liberal Arts		F2F,VC	3
General Education-Mathematics	MAT 132 Applied Mathematics or higher	F2F,VC	3-4
Fourth Semester (Spring):			
Core Curriculum	UAS 221 Mapping Software	F2F	4
Core Curriculum	UAS 230 Fundamentals of UAS Instruction	F2F	3
Core Curriculum	UAS 232 Fixed-Wing Flight	F2F	4
General Education-Liberal Arts		F2F,VC	3
Elective		F2F,VC	2-3

Total credits required: 64

Notes:

Courses in this program are taught in 8- and 16-week sessions.