

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: Unmanned Aircraft Systems and 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 aircraft systems, incorporating the aerial vehicle, mission payload, and flight operations.
2. Plan and employ unmanned aircraft 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 that include mission objective, methodology, outcomes, and recommendations to clients in an understandable and concise manner.
6. Demonstrate an understanding of en route air traffic control (ATC) facilities as they support the ATC system.
7. Apply knowledge of air traffic control (ATC) technology and terminology, career requirements, components, and the function of the National Airspace System and Terminal.

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).
PFT 101 Private Pilot Ground School requires acceptance into the aviation program.
This program requires PFT 100 Introduction to Aviation.

Program Reviewed: Feb 22, 2016

Key:

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

<i>Requirements</i>	<i>Course(s) Recommended</i>	<i>Delivery Method</i>	<i>Credits</i>
<i>First Semester (Fall):</i>			
Core Curriculum	PFT 101 Private Pilot Ground School	F2F,VC	5
Core Curriculum	PFT 111 Solo Flight Preparation	F2F	3.5
Core Curriculum	PFT 112 Cross-Country Navigation	F2F	1.5
Core Curriculum	PFT 113 Private Pilot Certification	F2F	1
Core Curriculum	PFT 122 Aviation Weather	F2F,VC	3
General Education-Composition	ENG 101 Composition	F2F,VC	3
<i>Second Semester (Spring):</i>			
Core Curriculum	PFT 204 Instrument Rating Ground School	F2F,VC	5
Core Curriculum	PFT 206 Aircraft Systems	F2F,VC	3
Core Curriculum	PFT 214 Instrument Rating Flight I	F2F	3.5
Core Curriculum	PFT 215 Instrument Rating Flight II	F2F	1.5
General Education-Composition	ENG 102 English Composition	F2F,VC	3
<i>Third Semester (Fall):</i>			
Core Curriculum	UAS 101 Introduction to Unmanned Aircraft Systems	F2F	3
Core Curriculum	UAS 121 Remote Sensing and Imagery	F2F	3
General Education-Liberal Arts		F2F,VC	3
General Education-Mathematics	MAT 132 Applied Mathematics or higher	F2F,VC	3-4
General Education-Technology Literacy	CIS 116 Computer Essentials	F2F,VC	3
<i>Fourth Semester (Spring):</i>			
Core Curriculum	UAS 201 UAS Pilot and Payload Operator	F2F	8
Core Curriculum	CIS 179 Applied Technical Writing	F2F,VC	3
General Education-Liberal Arts		F2F,VC	3
Elective		F2F,VC	1-2

Total credits required:

64

Notes:

Courses in this program are taught in 8-, 10.5-, 16-, and 21-week sessions.