



## 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:** Professional Pilot Technology (Multi-Engine)-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 knowledge and skills needed to safely exercise the privileges and responsibilities of a commercial/instrument pilot acting as pilot-in-command of a multi-engine airplane.
2. Demonstrate the knowledge and skills needed to pass the Commercial Pilot Certificate, multi-engine land rating, as outlined in the appropriate FAA Practical Test Standards and Federal Aviation Regulations.
3. Identify aircraft design, engine design, airport and aviation support facilities, and the practical economics of airline operations as they support the air transportation industry.
4. Apply knowledge of air traffic control (ATC) technology and terminology, career requirements, components, and the function of the National Airspace System and Terminal.
5. Demonstrate an understanding of en route ATC facilities as they support the ATC system.
6. Identify aviation ground operations, technical operations, flight operations, and system operations as they support airline operations and management.
7. State highlights in the history of aviation from its very beginnings to current endeavors.
8. Explain pilot psychology, physiology, human factors, aircraft technology, crew resource management, and accident review and investigation as they relate to aspects of aviation safety.

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

ENG 101 Composition requires appropriate English placement score (or see advisor).  
MAT 132 Applies 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>
<b><i>First Semester (Fall):</i></b>			
Core Curriculum	PFT 101 Private Pilot Ground School	F2F,VC	5
Core Curriculum	PFT 105 Crew Resource Management - Flight	F2F	2
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-Technology Literacy	CIS 116 Computer Essentials or CIS 120 Intro to Info Systems	F2F,VC	3
<b><i>Second Semester (Spring):</i></b>			
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 101 Composition	F2F,VC	3
<b><i>Third Semester (Fall):</i></b>			
Core Curriculum	PFT 121 Commercial Flight I	F2F	3
Core Curriculum	PFT 130 Commercial Pilot Ground School	F2F,VC	5
Core Curriculum	PFT 131 Commercial Flight II	F2F	3
Core Curriculum	PFT 218 Commercial Flight III	F2F	1
Core Curriculum-Composition	ENG 102 English Composition	F2F,VC	3
General Education-Mathematics	MAT 132 Applied Mathematics or higher	F2F,VC	3-4
<b><i>Fourth Semester (Spring):</i></b>			
Core Curriculum	PFT 210 Multi-Engine Rating Ground School	F2F,VC	1
Core Curriculum	PFT 211 Multi-Engine Rating Flight	F2F	1
General Education-Liberal Arts		F2F,VC	3
General Education-Liberal Arts		F2F,VC	3
Elective		F2F,VC	2-3

**Total credits required:**

64

**Notes:**

PFT courses are taught in 10.5- and 21-week sessions.