

# PROGRAMS

## AVIATION MANAGEMENT (A60180A)

The Aviation Management and Career Pilot Technology curriculum prepares individuals for a variety of aviation and aviation-related careers including the commercial airlines, general aviation, the aerospace industry, the military, unmanned aircraft systems industries, and state and federal aviation organizations.

Course work includes fundamentals of flight, aerodynamics, aircraft performance, meteorology, navigation, federal regulations, aviation management, unmanned aircraft systems, and instrument and commercial ground training, flight and simulator training, and entrepreneurship or business management training.

Graduates may earn a commercial pilot certificate with an instrument rating, specialize in aviation management or in unmanned air systems, and may find employment as commercial, corporate, and military pilots, fixed base operators and airport managers, as pilots or technicians in the unmanned aircraft systems industry, or as flight instructors, and flight dispatchers.

Students in the Aviation Management and Career Pilot Technology program will be required to fly simulator hours during the Air Navigation course and within the Flight-Private Pilot, -Instrument Pilot, -Commercial Pilot and -Certified Flight Instructor courses toward their FAA certification which are required to receive credit for flight courses. There will be a per hour fee for simulator use that will be set by the department.

The Aviation Management track focuses on the skills and knowledge required for aviation related careers including those in general aviation, the aerospace industry and state and federal aviation organizations.

### Associate in Applied Science Degree Program

		Course Hours Per Week		Semester Hours
First Semester (Fall)		Class	Lab	Credit
ACA-115	Success & Study Skills	0	2	1
AER-110	Air Navigation	2	2	3
AER-111	Aviation Meteorology	3	0	3
AER-150	Private Pilot Flt Theory	2	2	3
ENG-111	Writing and Inquiry	3	0	3
MAT***	MAT-121 or MAT-171	2-3	2	3-4
<b>Credit Hours</b>		<b>12-13</b>	<b>8</b>	<b>16-17</b>

Second Semester (Spring)				
AER-112	Aviation Laws and FARs	2	0	2
AER-113	History of Aviation	2	0	2
AER-160	Instrument Flight Theory	2	2	3
BUS-137	Principles of Management	3	0	3
ENG-112 or	Writing/Research in the Disc or			

		Course Hours Per Week		Semester Hours
ENG-114	Prof Research & Reporting	3	0	3
PHY-110	Conceptual Physics	3	0	3
PHY-110A	Conceptual Physics Lab	0	2	1
	<b>Credit Hours</b>	<b>15</b>	<b>4</b>	<b>17</b>

### Third Semester (Summer)

COM-120 or	Intro Interpersonal Com or			
COM-231	Public Speaking or			
or				
BUS-260	Business Communication	3	0	3
***	Humanities/Fine Arts Elective	3	0	3
	<b>Credit Hours</b>	<b>6</b>	<b>0</b>	<b>6</b>

### Fourth Semester (Fall)

AER-114	Aviation Management	3	0	3
AER-170	Commercial Flight Theory	3	0	3
AER-211	Air Traffic Control	2	0	2
AER-216	Engines & Systems	2	2	3
AER-218	Human Factors in Aviation	2	0	2
***	Aviation Elective	1-3	0-3	2-3
	<b>Credit Hours</b>	<b>13-15</b>	<b>2-5</b>	<b>15-16</b>

### Fifth Semester (Spring)

ACC-120	Prin of Financial Accounting	3	2	4
AER-215	Flight Safety	3	0	3
AER-217	Air Transportation	3	0	3
PSY-150	General Psychology	3	0	3
***	Aviation Elective	1-3	0-2	2-3
	<b>Credit Hours</b>	<b>13-15</b>	<b>2-4</b>	<b>15-16</b>

Total Required Minimum Semester Hours Credit 69

Aviation Electives: Please select two electives from the following:		Class	Lab	Credit
AER-115	Flight Simulator	1	3	2
AER-116	Private Pilot Flight Simulato	1	2	2
AER-119	Aircraft Structures	2	0	2
AER-210	Flight Dynamics	3	0	3
AER-213	Avionics	2	0	2
AER-220	Airport Management	2	0	2
AER-280	Instructor Pilot Flt Theory	3	0	3
UAS-110	Intro to UAS Operations	3	0	3
UAS-115	Small UAS Certification	2	0	2
WBL-112V	Work-Based Learning I	0	20	2

## Programs

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		Course Hours Per Week		Semester Hours
WBL-113V	Work-Based Learning I	0	30	3
WBL-122V	Work-Based Learning II	0	20	2
WBL-123V	Work-Based Learning II	0	30	3

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