

# Aviation Maintenance Technology

## Associate of Applied Science Degree

### Career and Technical Program

This program prepares students for entry-level employment in aerospace technology airframe maintenance mechanical fields. The curriculum fulfills the FAA requirements for lecture and lab hours needed prior to taking the FAA licensing exam. Students will receive the knowledge and skills necessary to work in various phases of aviation general and airframe industries. Students will receive hands on instruction from certified FAA Airframe and Power licensed instructors in a lab setting approved by the FAA as a CFR part147 school.

### Program Requirements

#### First Semester

Course No.	Title	Credit Hrs
AERM-103	Weight and Balance	2
AERM-104	Shop Practices	3
AERM-106	Federal Aviation Regulations	2
AERO-101	Aviation Science	3
_____	A.A.S. Mathematical Ways of Knowing <sup>1</sup>	3-5
_____	A.A.S. Social and Behavioral Ways of Knowing <sup>1</sup>	3
		<b>Semester Total 16-18</b>

#### Second Semester

AERM-102	Basic Electricity	3
AERM-105	Ground Operations	3
AERM-201	Wood, Fabric, and Finishes	2
AERM-203	Aircraft Composites	2
AERM-204	Aircraft Welding	2
ENGL-101	English Composition <sup>2</sup>	3
		<b>Semester Total 15</b>

#### Third Semester

AERM-202	Aircraft Sheet Metal	5
AERM-205	Assembly and Rigging	2
AERM-211	Landing Gear Systems	3
AERM-215	Airframe Electrical	3
		<b>Semester Total 13</b>

#### Fourth Semester

AERM-206	Airframe Inspection	2
AERM-212	Hydraulics, Pneumatics and Fuel Systems	3
AERM-213	Airframe Auxiliary Systems	3
AERM-214	Instruments, Navigation and Communication Systems	2
COMM-101	Introduction to Speech Communication <sup>1</sup>	3
_____	A.A.S. Institutionally Designated <sup>3</sup>	3
		<b>Semester Total 16</b>
		<b>Program Total 60-62</b>

#### Notes:

<sup>1</sup> Select from the A.A.S. degree requirements listed on page 50.

<sup>2</sup> Satisfies the A.A.S. degree general education requirement.