

## **Aviation Maintenance Technology (Associate of Applied Science)**

The objective of the Aviation Maintenance Technology Associate of Applied Science degree is for students to become qualified to enter careers in the fields of aviation servicing, maintenance, construction and inspection. This degree prepares students to complete all requirements to qualify for, take, and pass the Federal Aviation Administration (FAA) Airframe and Powerplant (A&P) licensing exams. Written, Oral, and Practical portions of the license exams are covered in depth. The Aviation maintenance courses provide the 1900 hours of scholastic training required to meet "Title 14 CFR Part 147 Aviation Maintenance Technician Schools" regulations.

For entrance into the program, students must be eligible for MATH 0099 and ENGL 1013. Transitional course requirements below these courses must be met prior to acceptance.

**Special Comments:** The grading scale utilized in this program is set by the FAA. According to the FAA grading scale, the minimum grade required in all Aviation Maintenance Technology major-specific courses is 70%. All AMTG, AMTA, AMTP courses are FAA Certificated, all other courses listed (General Education) are not FAA Certificated.

To receive this degree, students must:

- Have a cumulative GPA of 2.00 or better in all credit hours that are to be used towards the degree.
- Earn a "C" or better in MATH 1213/1103 and English 1013.
- Complete the coursework listed below.
- Complete every AMTG, AMTA, AMTP practical project with at least a 70%.

**Program Outcomes. Upon successful completion of the program, the graduate will be able to:**

1. Demonstrate how to identify, troubleshoot, and repair powerplant faults.
2. Demonstrate how to identify, troubleshoot, and repair airframe deficiencies.
3. Demonstrate basic electrical and avionics competencies.
4. Demonstrate familiarity with required regulatory and documentation procedures used in aviation maintenance.

### **PROGRAM OF STUDY**

<b>First Semester</b>		<b>Credit Hours</b>
MATH 1213	College Algebra, or	<b>3</b>
MATH 1103	Introduction to Contemporary Mathematics	
ENGL 1013	English Composition I	<b>3</b>
Any SACSOC-accepted General Education course in Humanities*		<b>3</b>
AMTG 1016	General Maintenance Practices	<b>6</b>
<b>Semester credit hours</b>		<b>15</b>
<b>Second Semester</b>		<b>Credit Hours</b>
General Education course in the Social/Behavioral Sciences		<b>3</b>
PHSC 1023	Physical Science I	<b>3</b>
AMTG 1026	General Maintenance Processes	<b>6</b>
<b>Semester credit hours</b>		<b>12</b>

<b>Third Semester</b>		<b>Credit Hours</b>
AMTA 1216	Aircraft Structures	6
AMTA 1224	Aircraft Finishes	4
Any approved General Education course		3
<b>Semester credit hours</b>		<b>13</b>
<b>Fourth Semester</b>		<b>Credit Hours</b>
AMTA 1236	Aircraft Electrical	6
AMTA 1244	Aircraft Systems	4
<b>Semester credit hours</b>		<b>10</b>
<b>Fifth Semester</b>		<b>Credit Hours</b>
AMTP 1116	Powerplant Accessories	6
AMTP 1126	Powerplant Systems	6
<b>Semester credit hours</b>		<b>12</b>
<b>Sixth Semester</b>		<b>Credit Hours</b>
AMTP 1134	Reciprocating Engine Overhaul	4
AMTP 1144	Turbine Engine Overhaul	4
<b>Semester credit hours</b>		<b>8</b>
<b>Total Program Hours</b>		<b>70</b>

#### Aviation Maintenance Technician Credentials

<b>Required Courses:</b>		<b>Credit Hours</b>
AMTG 1016	General Maintenance Practices	6
AMTG 1026	General Maintenance Processes	6
AMTA 1216	Aircraft Structures	6
AMTA 1224	Aircraft Finishes	4
AMTA 1236	Aircraft Electrical	6
AMTA 1244	Aircraft Systems	4
<b>Aviation Maintenance Technician, Airframe, CTS</b>		<b>32</b>
AMTG 1016	General Maintenance Practices	6
AMTG 1026	General Maintenance Processes	6
AMTP 1116	Powerplant Accessories	6
AMTP 1126	Powerplant Systems	6
AMTP 1134	Reciprocating Engine Overhaul	4
AMTP 1144	Turbine Engine Overhaul	4
<b>Aviation Maintenance Technician, Powerplant, CTS</b>		<b>32</b>

**AAS, Aviation Maintenance Technology:** all aviation maintenance courses (52 semester credit hours) and General Education courses (18 credit hours: ENGL 1013, MATH 1213/1103, PHSC 1023, Social/Behavioral Science elective, SACSCOC-accepted Humanities elective\*, and one other General Education course from any category) **70**

\* Any approved General Education course in English Literature, History, Humanities, or Philosophy.

Note: Either the Airframe or Powerplant technical courses may be taken first depending on offerings and availability.

For more information, contact the Technical Education Division at 225-216-8367.