

## Aviation Maintenance - Associate of Applied Science Degree

This program is designed for students who intend to pursue careers not only in the aviation maintenance industry, but in other industries utilizing aircraft maintenance skills in hi-tech maintenance programs. The general education components prepare students to pursue baccalaureate studies, and advance to positions of leadership in the industry. Students who successfully complete this program will be eligible to take the Federal Aviation Administration (FAA) certification exams for Airframe and Powerplant (A&P) Mechanics.

This program is approved by the FAA, which requires that every single hour of instruction be given to each student. Because of this requirement and the vital importance of mechanical performance, class attendance is an absolute must to remain in good standing in the program. Failure to attend the classes in accordance with instructor-established guidelines may result in dismissal from the program. The program is divided into four separate segments: general education, general aviation, airframe, and powerplant. The general education core may be taken at any time before, during, or after the other segments are taken, depending on scheduling preferences. The remaining segments are taken sequentially in an intensive combination of lecture and laboratory learning. Students may be required to attend classes as many as 30 clock hours per week. Consult with your advisor each semester to determine an appropriate schedule.

AAS Aviation Maintenance			
Minimum Scores Required			
	Math	English	Reading
ACT	13	11	11
Accuplacer	30A	52	33

	Credit Hours
<b>General Education Core:</b>	
EN 12003 English Composition I	3
EN 12013 English Composition II	3
MA 14073 Math Apps for Technical Programs <b>OR</b>	
MA 14043 College Algebra	3
CS 11033 Computer Applications	3
SP 22063 Human Relations	3
<b>Total Gen Ed Credit Hours</b>	<b>15</b>

<b>General Aviation Requirements:</b>	
AV 15004 Aviation Math & Physics	4
AV 15033 Aircraft Electricity I	3
AV 15143 Aircraft Drawing & Weighing	3
AV 15014 Aircraft Structures I	4
AV 15023 Aviation Fundamentals	3
<b>Total Gen Aviation Credit Hours</b>	<b>17</b>

<b>Airframe Requirements:</b>	
AV 15076 Aircraft Structures II	6
AV 15083 Aircraft Assembly & Rigging	3
AV 15153 Aircraft Welding & Painting	3
AV 15054 Aircraft Electricity II	4
AV 15114 Aircraft Hydraulics & Pneumatics	4
AV 15103 Aircraft Instruments	3
AV 15162 Aircraft Ice & Atmosphere	2
AV 15172 Aircraft Fuel & Fire	2
AV 15183 Airframe Inspection	3
<b>Total Airframe Credit Hours</b>	<b>30</b>

<b>Powerplant Requirements:</b>	
AV 25007 Reciprocating Engines	7
AV 25015 Turbine Engines	5
AV 25074 Powerplant Support Systems	4
AV 25084 Powerplant Electrical Systems	4
AV 25023 Aircraft Lubrication & Cooling	3
AV 25093 Propellers	3
AV 25103 Powerplant Inspection	3
<b>Total Powerplant Credit Hours</b>	<b>29</b>

### Curriculum Summary:

General Education Requirements	15
General Aviation Requirements	17
Airframe Requirements	30
Powerplant Requirements	29
<b>Total Degree Credit Hours</b>	<b>91</b>