Avionics Maintenance Technology

Career Path

Credit Requirements: 68 Semester Credit Hours

Recommended Sequence of Courses

First Semester – Fall
- AVT 101 Basic Electricity for Avionics 4
- AVT 110 Aircraft Electronic Circuits 4
- AVT 115 Aircraft Digital Circuits 3
- AVT 145 Avionics Circuit Repair 3
Total 14

Second Semester – Spring
- AVT 105 Aircraft Electricity for Avionics 4
- AVT 120 Aviation Electronic Communications 4
- AVT 125 Aviation Data Communications 3
- AVT 140 Avionics Standard Practices 3
- AVT 165 Avionics General Regulations 2
Total 16

Third Semester – Summer
- AVT 150 Aircraft Navigation Systems 3
- AVT 155 Aircraft Pulse Systems 3
- AVT 160 Aircraft Radar Systems 3
- AVT 170 Avionics Program and Test Review 1
Total 10

Fourth Semester – Fall
- *ACM 101 General Regulations 2
- *ACM 102 Aviation Sciences 3
- *ACM 110 Aircraft Drawings 1
- *ACM 115 Ground Handling and Servicing 3
- *ACM 120 Materials and Corrosion Control 4
Total 13

or

Fourth Semester – Fall
- *AMF 109 Aircraft Materials and Hand Tools 3
- *AMF 110 Corrosion Control and Sealing Applications 2
- *AMF 132 Aircraft Sheet Metal Assembly 3
- *AMF 137 Aircraft Composite Structures 3
- *AMF 142 Airframe Auxiliary Systems 2
Total 13

Fifth Semester – Spring
- CPT 101 Introduction to Computers 3
- ENG 101 English Composition I 3
- REQ HUM Select one course from Humanities listing on page B-3 3
- REQ MAT Select one math course from Mathematics/Natural Sciences listing on page B-4 3
- REQ SSC Select one course from Behavioral/Social Sciences listing on page B-3 3
Total 15

*These courses may be substituted as a group for a different technical subject area of at least 12 semester credit hours, which must be approved by your advisor.

Aircraft Assembly Technology

Certificate in Applied Science

Credit Requirements: 26 Semester Credit Hours

This program prepares students for employment in the aviation manufacturing field by providing instruction in the basic theory of aircraft design and construction, aircraft materials and tools utilized in aircraft assembly.

Admission into this program requires qualifying scores on SAT, ACT or the TTC placement test. High school graduation is not required if you are at least 18 years old; however, some employers in this field require high school graduation or GED.

Recommended Sequence of Courses

First Semester
- AMF 103 Introduction to Aviation 3
- AMF 104 Basic Aviation Sciences 3
- AMF 109 Aircraft Materials and Hand Tools 3
- AMF 110 Corrosion Control and Sealing Applications 2
- AMF 116 Aircraft Fluid Lines 2
Total 13

Second Semester
- AMF 132 Aircraft Sheet Metal Assembly 3
- AMF 137 Aircraft Composite Structures 3
- AMF 142 Airframe Auxiliary Systems 2
- AMF 147 Aviation Electrical Systems 3
- AMF 152 Aircraft Flight Control Systems 2
Total 13

Important information about the educational debt, earnings, and completion rates of students who attended this program can be found in section D.