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
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AVT 105	Aircraft Electricity for Avionics	4
AVT 120	Aviation Electronic Communicatio	ns 4
AVT 125	Aviation Data Communications	3
AVT 140	Avionics Standard Practices	3
AVT 165	Avionics General Regulations	2
	Tota	l 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

	ester run	
*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
	Tot	al 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	
	Tota	l 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 listin	g
	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 110	Corrosion Control and Sealing	
	Applications	2
AMF 116	Aircraft Fluid Lines	2
	Total	13

Second Semester

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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
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Total 13

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