



## **Airframe Maintenance Technology A.A.S.**

Curriculum Code: 0757

Effective: Fall 2020 – Summer 2025

### **Description**

Airframe maintenance technicians maintain aircraft in accordance with Federal Aviation Regulations. Airframe technicians perform a wide variety of repairs and alterations to sheet metal and composite aircraft structures. In addition, they inspect and repair or replace complex aircraft components associated with hydraulic/pneumatic, communication/navigation, fuel and flight control systems. Aviation maintenance technicians are employed throughout the world maintaining aircraft for major air carriers, commuter airlines, air freight operators, corporate flight departments, fixed base operators and a variety of other specialized aviation businesses. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

### **Contact Information**

Contact the Aviation Technology Program at the Mason-Jewett Field, 655 Aviation Drive, Mason, telephone number 517-483-1406.

### **General Education Applied Degree, Recommended Choices**

(For the full list of options, see [General Education](#))

- English Composition – *Select one*  
ENGL 121, Composition I, 4 credits / 4 billing hours  
ENGL 124, Technical Writing, 3 credits / 3 billing hours  
ENGL 127, Business Writing, 3 credits / 3 billing hours
  
- English Composition (Second Course)/Communications or Applied Communications – *Select one*  
COMM 110, Communication in the Workplace, 3 credits / 3 billing hours  
COMM 120, Dynamics of Communication, 3 credits / 3 billing hours  
COMM 130, Fundamentals Public Speaking, 3 credits / 3 billing hours
  
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*  
HUMS 213, World Civilizations to 1600, 4 credits / 4 billing hours  
HUMS 214, World Civilizations from 1600, 4 credits / 4 billing hours  
MGMT 234, Diversity in the Workplace, 3 credits / 3 billing hours  
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours
  
- Mathematics or Applied Mathematics – *Select one*  
MATH 117, Math for Business, 4 credits / 4 billing hours  
MATH 119, Math - Applications for Living, 4 credits / 4 billing hours
  
- Natural Sciences Lab or Applied Sciences and Technology Lab – *Select one*  
ASTR 201, Introductory Astronomy, 4 credits / 5 billing hours  
BIOL 120, Environmental Science, 4 credits / 6 billing hours

## Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
AVAF 125	Aircraft Systems I	2 / 2.75
AVAF 126	Aircraft Systems II	6 / 8.25
AVAF 127	Aircraft Systems III	3 / 4
AVAF 134	Aircraft Instruments	2 / 2.75
AVAF 140	Aircraft Welding	2 / 3
AVAF 208	Aircraft Structures I	4 / 5.5
AVAF 209	Aircraft Structures II	4 / 5.75
AVAF 210	Aircraft Structures III	4 / 6
AVAF 211	Aircraft Electrical I	4 / 5.75
AVAF 212	Aircraft Electrical II	4 / 5.75
AVAF 246	Airframe Certification	1 / 1.5
AVEL 202	Flight Line Testing	3 / 4
AVGM 111	Aviation General I	4 / 5
AVGM 112	Aviation General II	6 / 8
AVGM 113	Aviation General III	4 / 5
AVGM 114	Materials and Processes	5 / 7

## Total Credit Hours

75-77 credits / 98-101 billing hours

## Recommended Course Sequence

Semester I (Fall)	Semester II (Spring)
AVGM 111	AVAF 125
AVGM 112	AVAF 126
AVGM 113	AVAF 140
AVGM 114	AVAF 208
	AVAF 211

Semester III (Summer)	Semester IV (Fall)
AVAF 127	AVAF 209
AVAF 134	AVAF 210
AVAF 212	AVAF 246
	AVEL 202

Semester V (Spring)

Gen Ed – English Composition

Gen Ed – English Composition (Second Course)/Communications or Applied Communications

Gen Ed - Humanities and Fine Arts or Social Sciences or Applied Social Sciences

Gen Ed – Mathematics or Applied Mathematics

Gen Ed – Natural Sciences Lab or Applied Science and Technology Lab