

# Aviation Maintenance Technology, AAS

Academic Year 2026-2027

## **Program Description:**

The Aviation Maintenance Technology program is a joint offering of Mountwest Community and Technical College and Marshall University. **Students must be accepted and enrolled at both institution at the same time.**

Aviation Maintenance technicians inspect, service and repair airplanes, commercial airlines and helicopters of all sizes. This hands-on training program provides a well rounded education in aviation mechanics and systems. The student will gain experience working with aircraft structures, reciprocating and jet engines, hydraulics, electrical wiring and avionics, flight instruments and other aviation components and systems.

As a graduate of the program, students will be eligible to take the FAA exam for Airframe and Powerplant licensure.

## **Career Outlook and Salary Forecast:**

For the most current information please refer to the Bureau of Labor Statistics “Occupational Outlook Handbook” found at [www.bls.gov/ooh/](http://www.bls.gov/ooh/).

## **Program Admission Requirements:**

The Aviation Maintenance Technology program has admissions and candidacy requirements in addition to the Mountwest Community and Technical College admission guidelines. Application packets are available upon request from the program director or program advisor.

**Application packets are to be completed and submitted to the program advisor at MCTC.**

## **Recommended Test Scores**

- SAT: Writing 480, Math 510 or higher
- ACT: Writing 18, Math 19 or higher
- Accuplacer: Writing 250, Math 250 or higher

## **Contact Information:**

Jim Smith – Program Director

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Director of Advising

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*Mountwest empowers students to learn and lead in the community and in the workforce.*

Aviation Maintenance Technology – Major Code CA80

<b>Name:</b>	<b>ID Number 942-</b>
<b>Educational Counselor:</b>	
<b>Faculty Advisor:</b>	

**COURSE REQUIRED**

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
AMT 101	Beginning Aviation Maintenance	F	3				
AMT 102	Regulations & Publications	F	3				
AMT 103	Aviation Technical Skills & Practices	F	3				
AMT 109	Aviation Electronics	F	3				
AMT 215	Certification Test Preparation I (MCTC)	F	1				
MAT 135	Technical Mathematics	F	3				
							16
AMT 105	Aviation Utility Systems	S	3				
AMT 110	Aviation Power Systems	S	3				
AMT 206	Fluid Power and Landing Gear Systems	S	3				
AMT 209	Airframe Inspection and flight Control Systems	S	3				
IT 101	Fundamentals of Computers (MCTC)	S	3				
							15
AMT 202	Sheet Metal Structures	Su	3				
AMT 210	Nonmetallic Structures	Su	3				
AMT 211	Aircraft Information Systems	Su	3				
MG 102	Introduction to Entrepreneurship	Su	3				
							12
AMT 201	Reciprocation Engline Systems	F	3				
AMT 203	Reciprocating Engine Maintenance	F	3				
AMT 208	Cabin Atmosphere Systems	F	3				
AMT 216	Certification Test Preparation II (MCTC)	F	1				
ENL 131	Business and Technical Writing	F	3				
							13
AMT 204	Propeller and Control Systems	S	3				
AMT 205	Turbine Engne Systems	S	3				
AMT 207	Turbine Engine Maintenance	S	3				
AMT 217	Certification Test Preparation III (MCTC)	S	1				
PSYC 200 or SOC 210	General Psychology (MCTC) Or Fundamentals of Sociology (MCTC)	S	3				
							13

**All courses must be taken in the sequence listed.**

ENL 131 has a prerequisite of ACT 18, SAT 480, Accuplacer 250-300, or placed in ENL 131E.