



# Aviation Technician – Airframe

**TECHNICAL DIPLOMA**

Program Code: 31-486-1

**FAA-Certified - MATC Aviation Center/Oak Creek Campus**

Get qualified to maintain aircraft electrical, instrument and power control systems. Program is certified by the Federal Aviation Administration. (A companion program in powerplant maintenance also is offered.) MATC's Aviation Center is at 422 East College Avenue, east of the Oak Creek Campus.

## Career Outlook

Skilled aviation mechanics with versatile knowledge are in demand.

You can earn the Aviation Maintenance Technician – General certificate on the way to completing this technical diploma.

## Program Learning Outcomes

- Read and comprehend aircraft maintenance manuals
- Pinpoint aircraft malfunctions using schematics and diagnostic equipment
- Repair airframe structures and return aircrafts to service

## Admission Requirements

- Completion of the Aviation Technician General Component or instructor approval
- A high school diploma or GED (Background in mathematics and the physical sciences recommended)



**Manufacturing, Construction & Transportation**  
**MILWAUKEE AREA Technical College**

[matc.edu](http://matc.edu) | 414-297-MATC

**Start date:** January

**For complete information, go to**

**[matc.edu/course-catalog/manufacturing-construction-transportation](http://matc.edu/course-catalog/manufacturing-construction-transportation)**

To apply for financial aid, visit [fafsa.gov](http://fafsa.gov) School Code: 003866

## COURSES

## Credits

### GENERAL COMPONENT: AVIATION TECHNICIAN

<b>AVITEC-323</b>	Aircraft Ground Operation and Servicing ^ .....	3
<b>AVITEC-380</b>	Basic Physics ^ .....	1
<b>AVITEC-381</b>	Basic Electricity ^ .....	3
<b>AVITEC-382</b>	Aircraft Materials and Their Inspection ^ ..	3
<b>AVITEC-383</b>	Aircraft Maintenance Publications, Records and Mechanics Regulations ^ .....	1
<b>AVITEC-393</b>	Mathematics for Aviation Technicians ^ ...	2
<b>ENG-340</b>	Workplace Communication ^ .....	2
	(or) ENG-195 Written Communication ‡	

**TOTAL CREDITS: 15**

### AVIATION TECHNICIAN – AIRFRAME

<b>AVITEC-320</b>	Aircraft Electrical Systems .....	4
<b>AVITEC-340</b>	Aircraft Welding .....	1
<b>AVITEC-367</b>	Composite Structures .....	3
<b>AVITEC-368</b>	Aircraft Structures .....	3
<b>AVITEC-370</b>	Aircraft Instrument, Control, and Warning Systems 1 .....	5
<b>AVITEC-371</b>	Aircraft Instrument, Control, and Warning Systems 2 ‡ .....	1
<b>AVITEC-372</b>	Hydraulic and Pneumatic Power Systems .....	4
<b>AVITEC-376</b>	Airframe Maintenance .....	4

**TOTAL CREDITS: 25**

‡ Prerequisite required.

^ Counts toward earning the Aviation Maintenance Technician – General certificate.

Program curriculum requirements are subject to change.

Student must maintain a 2.0 grade-point average in the General Component to be eligible for the Airframe program.

**Current MATC students should consult their Academic Program Plan for specific curriculum requirements.**

## Possible Careers

- Aircraft Avionics System Technician
- Aircraft Environmental Systems Technician
- Aircraft Hydraulics System Technician
- Aircraft Sheet Metal and Composite Structures Technician
- Aircraft Line Maintenance Technician
- Aircraft Component Overhaul Technician

## Related Programs

- Aviation Maintenance Technician – General
- Aviation Technician - Powerplant

*This program is certified by the U.S. Department of Transportation, Federal Aviation Administration, 800 Independence Avenue SW, Washington, DC 20591; [www.faa.gov](http://www.faa.gov); FAA (Federal Aviation Administration) CFR (Code of Federal Regulations) Part 147 Aviation Maintenance Technician School.*



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**Oak Creek Campus**  
6665 South Howell Avenue

**West Allis Campus**  
1200 South 71st Street

**MATC Education Center  
at Walker's Square**  
816 West National Avenue, Milwaukee