

# Aviation Technician – Airframe

PROGRAM CODE: 31-486-1



Technical Diploma



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

**Location:** FAA-Certified MATC Aviation Center (Oak Creek Campus)

**Start Dates:** January

**Admission Requirement:** High school diploma or GED, completion of the Aviation Technician General Component or instructor approval. Background in mathematics and the physical sciences recommended.

**Financial Aid Eligible:** Yes. Apply at [fafsa.gov](https://fafsa.gov). Use School Code 003866.

### Program Description

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.

### 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.



**Complete Program Details**

**QUESTIONS?** 414-297-8901 or [mctpathway@matc.edu](mailto:mctpathway@matc.edu)

### CREDITS

Total credits needed to complete this diploma

**15**

### AVIATION TECHNICIAN – AIRFRAME

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

### CREDITS

Total credits needed to complete this diploma

**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.**

This program is certified by the U.S. Department of Transportation, Federal Aviation Administration, 800 Independence Avenue SW, Washington, DC 20591;

[faa.gov](https://faa.gov); FAA (Federal Aviation Administration) CFR (Code of Federal Regulations) Part 147 Aviation Maintenance Technician School.