

Aviation Technician – Powerplant

PROGRAM CODE: 31-486-2



Technical Diploma



| COURSE | CREDITS |
|---|---------|
| GENERAL COMPONENT: AVIATION TECHNICIAN | |
| 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 ^ (or) ENG-195 Written Communication ‡ | 2 |

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

Start Dates: October

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. Use School Code 003866.

Program Description

This specialized, high-demand training program concentrates on aircraft engine and propeller systems. Program is certified by the Federal Aviation Administration. (A companion program in airframe maintenance also is offered.) MATC's Aviation Center is at 422 East College Avenue, east of the Oak Creek Campus.

Career Outlook

Aircraft propulsion mechanics remain in high demand.

Program Learning Outcomes

- Read and comprehend aircraft maintenance manuals.
- Analyze and repair powerplant malfunctions.
- Maintain aircraft powerplant subsystems and determine their airworthiness.



Complete Program Details

QUESTIONS? 414-297-8901 or mctpathway@matc.edu

CREDITS

Total credits needed to complete this diploma

15

AVIATION TECHNICIAN – POWERPLANT

| | |
|---|---|
| AVITEC-302 Engine Fuel Metering Systems | 2 |
| AVITEC-303 Powerplant Electrical and Instrument Systems | 5 |
| AVITEC-304 Aircraft Induction and Supercharging Systems | 1 |
| AVITEC-306 Engine Lubricating Systems | 2 |
| AVITEC-315 Aircraft Reciprocating Engines 1 | 2 |
| AVITEC-316 Aircraft Reciprocating Engines 2 ‡ | 4 |
| AVITEC-318 Aircraft Gas Turbine Engines 1 | 2 |
| AVITEC-319 Aircraft Gas Turbine Engines 2 ‡ | 5 |
| AVITEC-360 Propeller Systems | 2 |

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; FAA (Federal Aviation Administration) CFR (Code of Federal Regulations) Part 147 Aviation Maintenance Technician School.