

# Aviation Technician – Powerplant

PROGRAM CODE: 31-486-2



Technical Diploma



COURSES	CREDITS
<b>GENERAL COMPONENT: AVIATION TECHNICIAN</b>	
<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 ‡

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

**Start Date:** October

**Admission Requirement:** High school diploma or equivalent. This program admits students through a waiting list process. Visit the program’s webpage at [matc.edu](http://matc.edu) to view the waiting list process and all requirements.

**Academic Preparedness Requirements:** Completion of the Aviation Technician General Component or instructor approval. Background in mathematics and the physical sciences recommended.

**Financial Aid Eligible:** Yes. Use code 003866 at [fafsa.gov](http://fafsa.gov).

## 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](mailto:mctpathway@matc.edu)

## CREDITS

Total credits needed to complete this diploma

# 15

## AVIATION TECHNICIAN – POWERPLANT

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

MATC courses are offered in person, entirely online or partially online. Check each course’s delivery options in Self-Service at [selfservice.matc.edu](http://selfservice.matc.edu).

This program is certified by the U.S. Department of Transportation, Federal Aviation Administration, 800 Independence Avenue SW, Washington, DC 20591; 866-835-5322 [faa.gov](http://faa.gov); FAA (Federal Aviation Administration) CFR (Code of Federal Regulations) Part 147 Aviation Maintenance Technician School.