

Aviation Technician – Powerplant

PROGRAM CODE: 31-486-2



Technical Diploma



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 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.

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

COURSES

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 ^	2
	(or) ENG-195 Written Communication ‡	

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.

MATC courses are offered in person, entirely online or partially online. Check each course's delivery options in Self-Service at 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; FAA (Federal Aviation Administration) CFR (Code of Federal Regulations) Part 147 Aviation Maintenance Technician School.