



Aviation Technician – Powerplant

TECHNICAL DIPLOMA

Program Code: 31-486-2

FAA-Certified - MATC Aviation Center/Oak Creek Campus

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.

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
- Analyze and repair powerplant malfunctions
- Maintain aircraft powerplant subsystems and determine their airworthiness

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

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 ‡	
TOTAL CREDITS: 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
TOTAL CREDITS: 25	

‡ Prerequisite required.
^ Counts toward earning the Aviation Maintenance Technician – General certificate.
Program curriculum requirements are subject to change.
Students must maintain a 2.0 grade-point average in the General Component to be eligible for the Powerplant 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; www.faa.gov; FAA (Federal Aviation Administration) CFR (Code of Federal Regulations) Part 147 Aviation Maintenance Technician School.

- Possible Careers**
- Aircraft Powerplant Maintenance Technician
 - Aircraft Powerplant Electrical System Technician
 - Aircraft Powerplant Component Overhaul Technician
 - Aircraft Powerplant Test Cell Technician
 - Aircraft Powerplant Line Maintenance Technician
- Related Programs**
- Aviation Maintenance Technician – General
 - Aviation Technician - Airframe





matc.edu or **414-297-MATC**
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

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