AVIATION MAINTENANCE TECHNOLOGY
DEGREE

Length of Program: Day—7 Semesters

Location Offered: Aircraft Technology Training Center

Entrance Dates: Fall

Education Required: High School Graduate or GED

Admission:
- Attainment of 16 years of age;
- Documentation of high school graduation or satisfaction of High School Equivalency Certificate requirements;
- Achievement of minimum provisional admission scores on tests of reading, language, and math, or recommendation by program faculty and designated admissions personnel on the basis of interview and assessment of student potential;
- Completion of application and related procedures;

Program Description:
The program is intended to provide students with an introduction to the occupational area of Aviation Maintenance Technology as currently understood and practiced by Federal Aviation Administration mechanic certificate holders with airframe and/or powerplant ratings. In addition, the combined airframe and powerplant curriculum is designed to provide students with the technical knowledge and skills required to diagnose problems and repair aircraft airframes, both metal and wood, their systems and components, and aircraft powerplants, both reciprocating and turbine, their systems and components. Satisfactory completion of all program courses entitles students to participate in FAA airframe and powerplant examinations and certification.

CURRICULUM OUTLINE:

<table>
<thead>
<tr>
<th>Credit</th>
<th>Essential General Core Courses (Non FAA approved courses)</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 1101 Composition and Rhetoric</td>
<td>3</td>
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<tr>
<td></td>
<td>MATH 1100, 1101, or 1111</td>
<td>3</td>
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<tr>
<td></td>
<td>AREA III Elective</td>
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<td>AREA IV Elective</td>
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<tr>
<td></td>
<td>AREA I, II, III, or IV Elective</td>
<td>3</td>
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<tr>
<td></td>
<td>COMP 1000 Introduction to Computers</td>
<td>3</td>
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<thead>
<tr>
<th>Credit</th>
<th>Essential Fundamental Technical Courses</th>
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<tbody>
<tr>
<td></td>
<td>AVMT 1000 Aviation Mathematics</td>
<td>2</td>
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<tr>
<td></td>
<td>AVMT 1010 Aircraft Maintenance Regulations</td>
<td>2</td>
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<tr>
<td></td>
<td>AVMT 1020 Aircraft Applied Sciences I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AVMT 1025 Aircraft Applied Sciences II</td>
<td>4</td>
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</tbody>
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AVMT 1030  Aircraft Electricity and Electronics  5  
AVMT 1210  Aviation Physics  2  

**Essential Specific Technical Courses**
AVMT 2010  Aircraft Airframe Structures  2  
AVMT 2020  Airframe Sheet Metal  2  
AVMT 2025  Airframe Non-Metallic Structures  2  
AVMT 2030  Airframe Welding  1  
AVMT 2040  Airframe Assembly and Rigging  2  
AVMT 2050  Airframe Inspection  4  
AVMT 2060  Aircraft Hydraulic and Pneumatic Systems  2  
AVMT 2070  Aircraft Landing Gear Systems  3  
AVMT 2080  Aircraft Environmental Control Systems  3  
AVMT 2085  Aircraft Fuel and Instrument Systems  3  
AVMT 2090  Aircraft Electrical Systems  4  
AVMT 2095  Aircraft Communication and Navigation Systems  2  

AVMT 2210  Reciprocating Engine Powerplants I  3  
AVMT 2220  Reciprocating Engine Powerplants II  5  
AVMT 2230  Gas Turbine Powerplants I  3  
AVMT 2240  Gas Turbine Powerplants II  3  
AVMT 2250  Aircraft Engine Inspection  1  
AVMT 2260  Aircraft Engine Fuel and Fuel Metering Systems  5  
AVMT 2270  Powerplant Instruments, Fire Protection, and Electrical Systems  3  
AVMT 2275  Powerplant Ignition and Starting Systems  4  
AVMT 2280  Aircraft Powerplant Accessory Systems  3  
AVMT 2285  Aircraft Propeller Systems  3  

**NOTES:**

(1) A grade of “C” or higher is required for all courses with the **AMT** prefix. 
(2) Attendance requirements are also mandated by the FAA. 

**Minimum Credit Hours Required for Graduation—101**