Workplace Competencies

Employers will expect program graduates to:

• Read and comprehend aircraft maintenance manuals
• Pinpoint aircraft malfunctions using schematics and diagnostic equipment
• Repair airframe structures and return aircrafts to service

Admission Requirements

• Completion of the Aviation Technician General Component or instructor approval
• A high school diploma or GED
• Demonstration of proficiency in basic skills through a course placement assessment
• Background in mathematics and the physical sciences is recommended

Career Outlook

Skilled aviation mechanics with versatile knowledge are in high demand and work for airlines, corporations and commuter lines. Completing both the Powerplant and Airframe Aviation Technician diplomas boost earnings considerably.

Aviation Technician (Airframe)

TECHNICAL DIPLOMA

Program Code: 31-402-2 | MATC Aviation Center

Get qualified to maintain aircraft electrical, instrument and power control systems. You must have high mechanical aptitude, and the ability to remain organized and meticulous under deadline pressure. This program is governed by the Federal Aviation Administration; a companion diploma program in Powerplant maintenance is also offered. MATC’s Aviation Center is at 422 East College Avenue, north of the Oak Creek Campus.

MATC.edu | 414-297-MATC
### Aviation Technician (Airframe) Curriculum

**GENERAL COMPONENT: AVIATION TECHNICIAN**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AVITEC-323</td>
<td>Aircraft Ground Operation &amp; Servicing</td>
<td>3</td>
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<tr>
<td>AVITEC-380</td>
<td>Basic Physics</td>
<td>1</td>
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<tr>
<td>AVITEC-383</td>
<td>Aircraft Maintenance Publications, Records and Mechanics Regulations</td>
<td>1</td>
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<tr>
<td>AVITEC-393</td>
<td>Mathematics for Aviation Technicians</td>
<td>2</td>
</tr>
<tr>
<td>AVITEC-381</td>
<td>Basic Electricity</td>
<td>3</td>
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<tr>
<td>AVITEC-382</td>
<td>Aircraft Materials and Their Inspection</td>
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<td>ENG-345</td>
<td>Communications 1</td>
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<tr>
<td>SOCSCI-330</td>
<td>Applied Economics &amp; Human Relations</td>
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**TOTAL CREDITS: 15**

**AVIATION TECHNICIAN - AIRFRAME**

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<tr>
<td>AVITEC-320</td>
<td>Aircraft Electrical Systems</td>
<td>4</td>
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<tr>
<td>AVITEC-368</td>
<td>Aircraft Structures</td>
<td>3</td>
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<tr>
<td>AVITEC-370</td>
<td>Aircraft Instrument, Control, and Warning Systems 1</td>
<td>5</td>
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<tr>
<td>AVITEC-372</td>
<td>Hydraulic and Pneumatic Power Systems</td>
<td>4</td>
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<tr>
<td>AVITEC-340</td>
<td>Aircraft Welding</td>
<td>1</td>
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<tr>
<td>AVITEC-367</td>
<td>Composite Structures</td>
<td>3</td>
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<tr>
<td>AVITEC-371</td>
<td>Aircraft Instrument, Control, and Warning Systems 2</td>
<td>1</td>
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<tr>
<td>AVITEC-376</td>
<td>Airframe Maintenance</td>
<td>4</td>
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</table>

**TOTAL CREDITS: 25**

‡ Prerequisite required.
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.

For complete information, go to matc.edu/tas/index.cfm
To apply for financial aid, visit fafsa.ed.gov
School Code: 003866

### Possible Careers

- Airframe Technician
- Aircraft Electrical Technician
- Aviation Technician
- Environmental Systems Technician
- Hydraulics Technician

### Related Programs

- Auto Maintenance Technician
- Automotive Technology
- Diesel and Powertrain Servicing

MATC is an Affirmative Action/Equal Opportunity Institution and complies with all requirements of the Americans With Disabilities Act. MATC is accredited by the Higher Learning Commission, Commission on Institutions of Higher Education, the national standard in accrediting colleges and schools for distinction in academics and student services. REV 2015/16

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