Midland College
Gainful Employment Disclosure Report
Aviation Maintenance Technology – Powerplant

Program Description

A Career in Aviation Maintenance (Aircraft Mechanics and Service Technicians)
The Aviation Maintenance Technology program prepares students for careers as aviation airframe technicians, or aviation powerplant technicians. Specific areas of training include aircraft structure inspection and testing; federal aviation regulations; aircraft and electronic flight instrument systems; aircraft auxiliary systems; aircraft welding; aircraft electrical systems; hydraulic, pneumatic, and fuel systems; and occupational safety and health codes.

Two certificate options are available consisting of 40 semester credit hours and taking approximately one to two years to complete. Upon successful completion of the Airframe Certificate and/or the Powerplant Certificate, students are qualified to take the applicable Federal Aviation Administration (FAA) licensure examination. For both certificate options, students must have a high school diploma or equivalent, and students must furnish their own hand tools. To obtain additional information and/or to acquire a certificate plan, students should contact the Technical Studies Division office.

The courses listed for this area of study (linked below) are suggested for the following certificates. However, courses that do not have a prerequisite do not have to be taken in order. For example, AERM 1315 does not have to be taken before AERM 1203 since 1315 is not a prerequisite for 1203. Nevertheless, the general sequence should still be followed. Part-time students may require more than five semesters to complete their certificates. Both the Airframe and Powerplant Certificates require completion of the General Classes listed in Semester I.

2011 Data

Institution OPEID: 00979700
CIP Code: 47.0608
SOC Code: 49-3011
Certificate Program Name: Powerplant
Level of Program: Level II
Credit Hours: 40

Typical Cost of Program ($)  

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>In-District</th>
<th>Out Of District</th>
<th>Lab Fees</th>
<th>Books</th>
<th>Supplies</th>
<th>Total In-District</th>
<th>Total Out Of District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester I</td>
<td>14</td>
<td>1,008</td>
<td>1,484</td>
<td>144</td>
<td>689</td>
<td>50</td>
<td>1,891</td>
<td>2,367</td>
</tr>
<tr>
<td>Semester II</td>
<td>14</td>
<td>1,008</td>
<td>1,484</td>
<td>96</td>
<td>631</td>
<td>-</td>
<td>1,735</td>
<td>2,211</td>
</tr>
<tr>
<td>Semester III</td>
<td>12</td>
<td>864</td>
<td>1,272</td>
<td>96</td>
<td>631</td>
<td>50</td>
<td>1,641</td>
<td>2,049</td>
</tr>
<tr>
<td>Total</td>
<td>40</td>
<td>2,880</td>
<td>4,240</td>
<td>336</td>
<td>1,951</td>
<td>100</td>
<td>5,267</td>
<td>6,627</td>
</tr>
</tbody>
</table>

On-Campus Room & Board - Residence Hall: $2,258.30/semester
Success Rate (pending calculation)

Intended time to complete
% of graduates who complete on time

Debt (pending calculation)

% of Students graduating with student loan debt
Median loan debt
Median debt from federal loans
Median debt from private educational loans
Median debt from institutional financing plans

Job Placement & Careers

MC 2009 Graduates matched to 4th quarter of 2009 Employment Records

<table>
<thead>
<tr>
<th>Level of degree</th>
<th>Total</th>
<th>Working Only</th>
<th>Working Enrolled</th>
<th>All Working</th>
<th>All Enrolled</th>
<th>Employment Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cert 1</td>
<td>21</td>
<td>12</td>
<td>3</td>
<td>15</td>
<td>8</td>
<td>71%</td>
</tr>
</tbody>
</table>

Careers with an emphasis in work with airframe aviation maintenance technology include the ability to diagnose, adjust, repair, or overhaul aircraft engines and assemblies. To keep aircraft in peak operating condition, aircraft and avionics equipment mechanics and service technicians perform scheduled maintenance, make repairs, and complete inspections required by the FAA. Many aircraft mechanics specialize in preventive maintenance and keep records related to the maintenance performed. After completing all repairs, they must rest the equipment to ensure that it works properly. Other mechanics specialize in repair work rather than inspections. Some mechanics work on one or many different types of aircraft, such as jets or propeller-driven airplanes and helicopters. Others specialize in one section of a particular type of aircraft. Airframe mechanics are authorized to work on any part of the aircraft except the instruments, power plants, and propellers. Avionics systems are now an integral part of aircraft design. Avionics technicians repair and maintain these systems.

Types of Positions

Employment Outlook for Texas

Texas Employment 2008: 16,480
Projected Texas Employment 2018: 18,190
Average Hourly Wage 2009: $24.20
Average Openings per year due to Replacement: 320
Average Openings per year due to Growth: 170

Training and Qualifications
Occupations at this level generally require a Career-Technical Education certificate. Some programs last a few weeks while others more than a year. In some occupations, a license is needed that requires passing an examination after training.

More Online Information at O*Net
The O*Net Occupational Profile for Aircraft Mechanics and Service Technicians is at the link below. It includes more employment data and specific training requirements:
http://204.65.189.139/isocrates/occprofiles/occprofile.asp?lwda=00&reptype=T&soc=49-3011