### Possible Job Titles

<table>
<thead>
<tr>
<th>Aviation Safety Director</th>
<th>Accident Investigation (Insurance/FAA/NTSB)</th>
<th>Aerospace Quality Manager</th>
<th>Aerospace Service Engineer</th>
<th>Aircraft Records &amp; Engine Health Monitoring Services</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Industry Segment</strong></td>
<td>Aircraft &amp; Engine Production</td>
<td>Aftermarket Aerospace Sustainment</td>
<td><strong>Concentration Area</strong></td>
<td>Aviation Safety</td>
</tr>
<tr>
<td><strong>Courses</strong></td>
<td>AVT 340 Human Factors in Aviation (3)</td>
<td>AVT 450 Aviation Safety Management (3)</td>
<td>Elective Courses (9 hrs)</td>
<td>AVT 250 Safety and Security of Airport Ground Operations (3)</td>
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<td></td>
<td>AVT 420 Aviation Accident Investigation (3)</td>
<td>AVT 451 System Safety (3)</td>
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<tr>
<td>Aerospace Field Service Representative</td>
<td>Aftermarket Aerospace Sustainment</td>
<td><strong>Avionics Systems</strong></td>
<td>AVT 315 Advanced Avionics (3)</td>
<td>AVT 317 Composites I (3)</td>
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<tr>
<td></td>
<td>AVT 317 Composites I (3)</td>
<td>AVT 327 Avionics Repair (3)</td>
<td>Elective Courses (9 hrs)</td>
<td>AVT 428 Avionics Installation (3)</td>
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<tr>
<td></td>
<td>AVT 429 Avionics Maintenance (3)</td>
<td>AVT 430 Advanced Avionics Installation (4)</td>
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<table>
<thead>
<tr>
<th>Aerospace Service Engineering</th>
<th>Aerospace Quality Manager</th>
<th>Aerospace Build-line Manager</th>
<th>Aircraft/Engine Certification &amp; Compliance</th>
<th>Composite Repair Technician</th>
</tr>
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<td><strong>Industry Segment</strong></td>
<td>Aircraft &amp; Engine Production</td>
<td>Aftermarket Aerospace Sustainment</td>
<td><strong>Concentration Area</strong></td>
<td>Composites Structures</td>
</tr>
<tr>
<td><strong>Courses</strong></td>
<td>AVT 317 Composites I (3)</td>
<td>AVT 400 Composites II (4)</td>
<td>AVT 417 Composites III (3)</td>
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<table>
<thead>
<tr>
<th>Aviation Business Administration</th>
<th>Aviation Aftermarket Sales</th>
<th>Aviation Director of Maintenance</th>
<th>Aerospace Logistics &amp; Supply Chain</th>
<th>Aircraft Fleet Manager</th>
</tr>
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<tbody>
<tr>
<td><strong>Industry Segment</strong></td>
<td>Aftermarket Aerospace Sustainment</td>
<td>Aftermarket Business</td>
<td><strong>Concentration Area</strong></td>
<td>Private Pilot</td>
</tr>
<tr>
<td><strong>Courses</strong></td>
<td>PPIL 111 Private Pilot* (4)</td>
<td>PPIL 113 Private Pilot Flight Lab (1)</td>
<td>AVT 242 Aviation Meteorology* (4)</td>
<td>PPIL 112 Professional Instrument Pilot* (3)</td>
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<tr>
<td></td>
<td>PPIL 114 Professional Instrument Pilot Flight Lab I (1)</td>
<td>AVT 340 Human Factors in Aviation* (3)</td>
<td>AVT 386 Aerodynamics* (3)</td>
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<th>Aviation Business Administration</th>
<th>Aviation Business Development</th>
<th>Aviation Aftermarket Sales</th>
<th>Aircraft Fleet Acquisition &amp; Sales</th>
<th>Aircraft Insurance Underwriting &amp; Claims Adjustment</th>
</tr>
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<tbody>
<tr>
<td><strong>Industry Segment</strong></td>
<td>Aftermarket Business</td>
<td><strong>Concentration Area</strong></td>
<td>Business &amp; Management Operations</td>
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</tr>
<tr>
<td><strong>Courses</strong></td>
<td>BUS 251 Financial Accounting (3)</td>
<td>BUS 252 Managerial Accounting (3)</td>
<td>MANGT 420 Management Concepts (3)</td>
<td>Following courses recommended for management emphasis</td>
</tr>
<tr>
<td></td>
<td>FINAN 450 Principles of Finance (3)</td>
<td>MKTG 400 Introduction to Marketing (3)</td>
<td>MANGT 421 Introduction to Operations Management (3)</td>
<td>MANGT 530 Industrial and Labor Relations (3)</td>
</tr>
<tr>
<td></td>
<td>Following courses recommended for sales emphasis</td>
<td>MKTG 542 Professional Selling (3)</td>
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<th>Aircraft/Engine Certification &amp; Compliance</th>
<th>Aerospace Build-line Manager</th>
<th>Aviation Maintenance Repair &amp; Overhaul</th>
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<td>Aftermarket Aerospace Sustainment</td>
<td><strong>Concentration Area</strong></td>
<td>Aerospace Manufacturing</td>
</tr>
<tr>
<td><strong>Courses</strong></td>
<td>MET 121 Manufacturing Methods (3)</td>
<td>MET 117 Mechanical Detailing (3)</td>
<td>MET 125 CNC Machining Processes (2)</td>
<td>MET 230 Automated Manufacturing Systems (3)</td>
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<tr>
<td></td>
<td>MET 231 Physical Materials and Metallurgy (3)</td>
<td>MET 252 Fluid Power Technology (3)</td>
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</table>

Advanced courses 600 level and higher are considered graduate level courses. Qualified students can enroll into these courses only after recommendation and approval by the aviation department program lead (me), and approval by the course instructor. The student will be expected to achieve the same course outcomes and deliverables as graduate level students. That said, these types of courses provide our students an enriching educational experience that will prepare them for the rigors and skills expected within the aerospace industry.