AVIATION MAINTENANCE TECHNOLOGY

PROGRAM DESCRIPTION:
This program provides coursework needed for the Associate in Science degree major in Aviation Maintenance Airframe and/or Powerplant Technology and is intended for those students who wish to transfer to a four-year institution. The program also meets requirements for the Federal Aviation Administration (FAA) Airframe and Powerplant Certificates. Airframe and Powerplant technicians are in demand by airlines and aviation maintenance providers. The Aviation Maintenance Technology program at Chaffey College is fully approved by the FAA to provide the experience required to become an Airframe or Powerplant technician.

HOW DO I KNOW THIS MAJOR IS FOR ME?
- You enjoy using numbers and basic arithmetic
- You like to think critically
- You enjoy details and working with your hands
- You like to troubleshoot causes of operation errors
- You enjoy working with others
- You enjoy operating equipment
- You like to problem solve and repair
- You like to compile data and keep records

WHAT CAN I DO WITH THIS CERTIFICATE/ASSOCIATE DEGREE?
- Airframe Technician
- Powerplant Technician
- Air Traffic Controller
- Aircraft Dispatcher
- Airline Ground Crew
- Avionics Technician
- Aircraft Mechanic
- Instrument Mechanic
- Industrial Mechanic
- Aerial Mechanic
- Electrical Technician
- Aircraft Inspector
- Aircraft Electrical Systems Specialist
- Helicopter Mechanic
- Powerplant Operator

WHERE CAN I WORK?
This pathway provides you with a choice of various work environments including:
- Airlines
- Shipping Companies
- Railroad Companies
- Freight Companies
- Bus Companies
- Military
- Federal/State Government

WHAT IS THE POTENTIAL WAGE OUTLOOK?
This Certificate/Associate Degree major may lead to a position as an Aircraft Mechanic and Service Technician, which according to the EDD/LMID Occupational Employment Statistics Survey, 2017 the median wage in California was $31.15 hourly. For more information, visit www.labormarketinfo.edd.ca.gov/OccGuides.

The job and wage outlook will vary based on the position selected within this major. To review current salary information and job outlook for other occupational titles, visit www.onetonline.org.

WHAT CAN I DO IN THE FUTURE WITH MORE EDUCATION?
The positions below require at least a bachelor’s degree and/or specialized training. According to O*NetOnline, the median salary in 2016 for an Aerospace Engineer in California was $116,710 annually.
- Pilot
- Commercial Pilot
- Aerospace Engineer
- Flight Engineer
- Industrial Engineer
- Mechanical Engineer
- Airport Manager
- Transportation Manager

For additional information about career pathways and to find out if this major is a good fit for you visit the Career Center located in MACC 203. Career information was collected from www.onetonline.org and www.bls.gov.
## MAJOR AND COURSE REQUIREMENTS:

### LEGEND:
- **G** = Grade
- **IP** = In Progress
- **N** = Need
- **Bold:** Prerequisites
- Plain Text: No Prerequisites

### Major Requirements for the Associate in Science Degree:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Grade</th>
<th>IP</th>
<th>Need</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AMT 15</td>
<td>Introduction to Aviation Maintenance for Airframe and Powerplant</td>
<td></td>
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<tr>
<td>AMT 16A</td>
<td>Aviation Materials, Processes, Inspections &amp; Regulations</td>
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<td>AMT 16B</td>
<td>Aviation Science</td>
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*Plus completion of one of the following emphases:*

### Airframe: (S011)

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<tr>
<th>Course Code</th>
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<th>Need</th>
<th>Units</th>
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<tbody>
<tr>
<td>AMT 35</td>
<td>Airframe Structures: Fabrication, Inspection and Repair</td>
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<tr>
<td>AMT 36</td>
<td>Airframe Primary Systems</td>
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<tr>
<td>AMT 37</td>
<td>Airframe Secondary Systems</td>
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<tr>
<td>AMT 38A</td>
<td>Airframe Structure: Structure Fabrication</td>
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<tr>
<td>AMT 38B</td>
<td>Airframe Structure: Hydraulic Systems</td>
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<tr>
<td>AMT 38C</td>
<td>Airframe Structure: Aircraft Secondary Systems and Components</td>
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### Powerplant: (S012)

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<th>Need</th>
<th>Units</th>
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<td>AMT 25</td>
<td>Powerplant: Aircraft Reciprocating Engines</td>
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<tr>
<td>AMT 26</td>
<td>Powerplant: Engine Instrumentation, Lubrication, Electrical</td>
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<tr>
<td>AMT 27</td>
<td>Powerplant: Reciprocating Engine Fuel &amp; Auxiliary Systems</td>
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<td>AMT 28A</td>
<td>Powerplant: Reciprocating Engine Inspection</td>
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<td>AMT 28B</td>
<td>Powerplant: Electrical Systems</td>
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<tr>
<td>AMT 28C</td>
<td>Powerplant: Turbine Engine Auxiliary Systems</td>
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### Requirements for the Airframe Certificate: (L011)

Same as the major requirements for the Airframe A.S. Degree (core + emphasis)

### Requirements for the Powerplant Certificate: (L012)

Same as the major requirements for the Powerplant A.S. Degree (core + emphasis)

### Requirements for the Aviation Maintenance Certificate: (F010)

Same as the major requirements for the A.S. Degree plus all the Airframe and Powerplant courses

In addition to completion of the MAJOR, there are other requirements for the degree, refer to the Chaffey College Graduation Requirement Sheet or see a counselor in the Counseling Center.