

**MGA**

**Academic Program - Course Schedule and Learning Outcomes**

Campus: Eastman

College/School: Aviation

Department: Aviation Maintenance  
and Structural  
Technology

Academic Degree: CERT.

Major: Aviation Maintenance  
Technology

Track (if applicable):

**What are the Program Learning Outcomes?**

*A learning outcome is a description of the knowledge, skills and abilities you will gain as you complete your coursework.*

1. The student will exhibit knowledge of FAA airframe inspections & maintenance procedures as required.

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2. The student will demonstrate ability to perform FAA airframe inspections & maintenance procedures.

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3. The student will exhibit knowledge of FAA powerplant inspections & maintenance procedures.

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4. The student will demonstrate ability to perform FAA powerplant inspections & maintenance procedures.

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**What courses do I need to take to graduate from this program?**

| Entering Class | Academic Year   |  |   |
|----------------|---|--|---|
|                | Fall (15 hours)   | Spring (15 hours)  | Summer (varies)   |
| Freshman       | (16 hours)<br>AMTP1020 Aircraft Applied Science (7 Cr hrs)*<br>AMTP1010 Aircraft Maintenance Regulations (2 Cr hrs)*<br>AMTP1030 Aircraft Electricity and Electronics (3 Cr hrs)*<br>AMTP1000 Aviation Mathematics (1 Cr hrs)<br>AMTP1210 Aviation Physics (1 Cr hrs)<br>AMTP2010 Aircraft Airframe Structures and Welding (2 Cr hrs) | (16 hours)<br>AMTP2020 Airframe Sheet Metal and Non-metallic Structures (5 Cr hrs)<br>AMTP2060 Aircraft Hydraulic, Pneumatic and Landing Gear (3 Cr hrs)<br>AMTP2210 Reciprocating Engine Powerplant (6 Cr hrs)<br>AMTP2040 Airframe Assembly and Rigging (2 Cr hrs) | (5 hours)<br>AMTP2090 Aircraft Electrical, Communication, and Navigation Sys. |
| Sophomore      | (15 hours)<br>AMTP2080 Aircraft Environmental Control System (5 Cr hrs)<br>AMTP2270 Aircraft Engine Electrical Ignition and Starting (5 Cr hrs)<br>AMTP2230 Gas Turbine Powerplants (5 Cr hrs)  | (15 hours)<br>AMTP2280 Aircraft Powerplant Accessory System (5 Cr hrs)<br>AMTP2050 Airframe Inspection (3 Cr hrs)<br>AMTP2260 Aircraft Engine Fuel and Fuel Metering (4 Cr hrs)<br>AMTP2250 Aircraft Engine Inspection (1 Cr hr)                                     |   |
| Junior         |   |  |   |
| Senior         |   |  |   |

**What jobs/post baccalaureate programs have recent graduates gone onto after completing this program?**  
**Most AMT certificate graduates go on to work in the airline industry.**