

**STUDENT LEARNING OUTCOMES**  
**A.A.S. IN AVIATION MAINTENANCE TECHNOLOGY**

**Students who complete the Airframe & Powerplant certificate program will:**

- **Demonstrate an understanding of the science, technology and math used in the maintenance of aircraft.**
- **Demonstrate the ability to understand and troubleshoot faults in typical aircraft systems and components.**
- **Demonstrate the ability to fabricate parts and make structural repairs in modern aircraft structures.**
- **Demonstrate an understanding of the theory of operation and construction of aircraft engines.**
- **Demonstrate the ability to troubleshoot problems and make repairs to modern aircraft piston and turbine engines and accessories.**
- **Demonstrate the ability to understand written maintenance information and to write the appropriate paperwork required by the FAA for aircraft maintenance.**
- **Acquire the additional computational, communication and human relation skills to facilitate advancement into management aviation maintenance positions.**