



# **IVY TECH COMMUNITY COLLEGE**

## **Department of Aviation Maintenance Technology**

### **Program-Level Learning Outcomes**

Students who graduate from the Aviation Maintenance Technology Program will be prepared to successfully pass the FAA Airframe and Powerplant Written, Oral and Practical subject matter exams and will:

- Demonstrate an in depth technical knowledge of aircraft systems and operation
- Demonstrate appropriate skills, techniques, and accepted practices necessary for aircraft maintenance and determination of aircraft airworthiness
- Apply cognitive reasoning skills to aircraft systems analysis and troubleshooting
- Demonstrate knowledge of regulatory and legal issues which impact the industry
- Communicate both in writing and verbally about aviation maintenance concepts and processes using technical terms, to both professional and administrative audiences
- Apply appropriate critical thinking and problem solving skills in the context of their work
- Function as an effective and dependable team member, as well as independently
- Demonstrate how and when to self-start, especially in learning and seeking new knowledge in an ever-changing field
- Research and acquire data that demonstrates their ability to correctly interpret and apply technical information to insure continued aircraft airworthiness
- Operate ethically, integrating FAA regulations, company rules and policies, and individual decision-making
- Exhibit safe work habits that reflect concern and care for self, others and the continued airworthiness of aircraft