

B.S. in Aviation Maintenance Science (Part 147)

Program-Level Student Learning Outcomes

Students will:

- Evaluate aircraft performance using aviation mathematics and physics relevant to aircraft airworthiness.
- Combine skill and technical competence to solve complex aviation maintenance problems.
- Apply leadership and management principles to both teamwork and supervisory roles.
- Apply knowledge of the aviation environment by accurately returning aircraft to service within various environments.
- Demonstrate the use of special equipment and tools in the practice of aviation maintenance.
- Interpret and analyze written and/or electronic technical instructions.
- Demonstrate professional and ethical behaviors in the role as maintenance technicians and/or supervisors.
- Evaluate the efficiency and safety of technical operations and make recommendations for improvements.
- Use education and training to actively engage in life-long learning relevant to the work environment.
- Analyze trends in the aviation maintenance industry in written and spoken formats.