

## Aviation Fundamentals

### Program Learning Outcomes

Learning outcomes represent culminating demonstrations of learning and achievement. In addition, learning outcomes are interrelated and cannot be viewed in isolation of one another. As such, they should be viewed as a comprehensive whole. They describe performances that demonstrate that significant integrated learning by graduates of the program has been achieved.

The graduate has reliably demonstrated the ability to

1. Recognize and eliminate unsafe conditions to maintain a safe work environment.
2. Perform basic techniques and standard practices used in aviation.
3. Apply mathematical concepts and operations to verify various aviation-related conversions, calculations, measurements, and layouts.
4. Explain basic physics concepts, principles, and laws associated with aircraft flight and airframe systems.
5. Apply oral and written technical communication skills to succeed in college level aviation programs.
6. Explain basic electrical concepts necessary for maintaining, troubleshooting, and repairing aircraft electrical systems.
7. Apply computer skills required to succeed in college level aviation programs.
8. Develop effective learning and study skills.
9. Adhere to college study expectations.
10. Identify various career paths related to aviation.