

B.S. in Pilot Operations

The Bachelor of Science in Pilot Operations (BSPO) provides graduates of the program the necessary knowledge, skills, and abilities to secure meaningful careers as pilots in the aviation industry.

This degree has been designed specifically to support pilots. As demand for pilots grows in the aviation industry, promotability and leadership in the profession will be decided by those possessing critical advanced knowledge, research skills and industry-related educational accomplishment. The BSPO provides an opportunity for pilot professionals to leverage their experience and credentials in a way that can create a valuable competitive advantage in this dynamic industry.

Enrollment into the BSPO will be limited to students who have a minimum of an FAA Private Pilot's License, an ICAO equivalent rating, or military pilots. Students who are working on their initial license and have not completed and passed their private pilot check ride will not be qualified for the BSPO.

The BSPO awards college credit for current certifications and is offered fully online with additional options for other learning modalities. The BSPO degree takes a balanced approach with integrated and interdisciplinary curriculum rooted in areas of 1) technical understanding, 2) aviation safety, 3) leadership, and 4) Aviation Legislation and Law:

- 1) Technical understanding: The student will demonstrate knowledge and understanding of the essential operating systems of aircraft as they relate to fundamental pilot operations. Topics include aerodynamics, flight physiology, electrical systems, airframe systems, avionics, engine theory, meteorology, and aviation weather.
- 2) Aviation safety: The student will demonstrate an understanding and application of the scientific principles and programs related to aviation safety as they correlate with aircraft operations. Topics include human factors, aircraft accident investigation, and aviation safety program management.
- 3) Leadership: The student will engage to present an understanding and application of basic management concepts to achieve greater leadership opportunities within aviation flight organizations. Topics include airport management, corporate and business aviation, and management principles.
- 4) Aviation Legislation and Law: The student will apply fundamental concepts in National and International Legislation and Law as they pertain to the aviation industry. Topics include Aviation Legislation, regulations and licensure pursuant to Commercial/Private Instrument Pilot Operations and Global Legal constructs.

Estimated Cost of Attendance