

# Aviation Maintenance Science (AMSA)

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## Courses

### **AMSA 490 Aviation Technical Operations 3 Credits (3,0)**

This capstone course is applicable to all students enrolled in the Bachelor of Science in Aviation Maintenance Science (BSAMS) in all Areas of Concentration (AOC). The course is intended to provide a holistic view of an aviation technical operations with an emphasis on Continuing Analysis and Surveillance Systems (CASS), Operations Specifications (OpSpecs), Electronic Recordkeeping, Repair Stations, Safety Management Systems (SMS), Human Factors (MxHF), and International Standard for Business Aircraft Operations (IS-BAO). The Capstone Project associated with this course simulates the student becoming the newly hired VP of Tech Ops of a fictitious airline with a dysfunctional maintenance operation. The student will identify the discrepancies within the organization and implement changes to ensure compliance with current regulations.

Pre-Req: Senior Standing and Airframe and Powerplant coursework or certification completed.

**Prerequisites:** Senior standing and all coursework for A and P