Master of Science in Aviation

**Required Core Courses (18 hours)**
The foundation of the program lies in an 18 credit-hour core consisting of nine hours in graduate-level aviation fundamentals and nine hours in aviation research and inquiry.

**Aviation**
- ASCI 521  Aircraft Administration Theory and Management
- ASCI 522  Aviation Safety Programs
- ASCI 523  Professional Ethics and Standards

**Research**
- ASCI 546  Qualitative Analysis
- ASCI 547  Quantitative Analysis
- ASCI XXX  Elective in Research Methodologies

The Core of the Aviation MS program provides the necessary underpinnings that allow students to pursue advanced studies in a given focus area. Students may choose between three concentrations or tracks intended to provide greater specificity in their education. Each concentration, consists of 12 credit-hours of additional course work:

**Flight Operations Administration Concentration (12 hours)**
- FSCI 523  Economics of Air Transportation
- ASCI 601  Federal and International Regulatory Environment
- ASCI 602  Flight Operations Business and Administration
- ASCI 603  Aviation and Public Policy

**Collegiate Flight Education Concentration (12 hours)**
- EDL 564  The Student in Higher Education
- ASCI 607  Aviation Training Methods and Practice
- ASCI 606  Aviation Curriculum Development and Management
- ASCI 605  Legal and Ethical Issues in Collegiate Flight Education

**Aviation Safety Concentration (12 hours)**
- ASCI 503  Aviation Security Management
- ASCI 504  Human Factors in Aviation Safety
- ASCI 508  Management of Aviation Safety Programs
- ASCI 515  Aviation Incident/ Accident Analyses