

# Aviation

## Master of Science

The Aviation Department offers a graduate program leading to the Master of Science degree. The M.S. in Aviation degree provides the necessary educational background for aviation industry professionals to solve problems within the field of aviation including the airlines, corporate aviation, general aviation, and airport management. You will gain an understanding of the various complexities facing the industry through a breadth of aviation industry related courses. In addition, you will have an understanding of statistics and research methods, and how they are applied to research and problem solving within the aviation industry. The graduate program will provide you with the knowledge and skills necessary for a successful career in the aviation industry, aviation related government jobs as well as for further research and development in the field of aviation. This degree can be completed on-campus or as a distance program via internet delivery methods.

### Admission Requirements

1. Bachelor's degree in Aviation/Aeronautics or Bachelor's degree from an accredited institution and a minimum of 20 semester credits of appropriate aviation related undergraduate work.
2. Graduate Record Examination, General Test.
3. Overall undergraduate GPA of 2.75 or a GPA of at least 3.00 for the last two years of undergraduate work.
4. Hold a minimum of a Federal Aviation Administration Private Pilot Certificate or its foreign equivalent.
5. Students must submit a 2-3 page paper answering specific questions per departmental guidelines. One of the questions will address the potential thesis or independent study topic.

### Degree Requirements

1. Required Core Courses are as follows:
  - General Issues in Aviation/Aerospace
  - Aviation Economics
  - Statistics or Psyc 541
  - Research Methods
  - Capstone Course
  - Independent Study or Thesis
2. A minimum of 30 credits including the 4-credit thesis option, or a minimum of 32 credit hours including comprehensive exams and an independent study. Approval of the thesis option will be granted based upon alignment of research interest with departmental faculty's research interests and faculty availability.
3. Comprehensive exams are required for those choosing the Independent Study option.
4. Courses 510 – 590 should be taken after the required "core" courses are completed.
5. Follow the Graduate Catalog and Graduate Student Handbook, Master's Degree for completion of:
  - a. Program of Study
  - b. Advisor Selection
  - c. Independent Study/Thesis Option
  - d. Topic Proposal
6. Aviation 590 and 593 can be taken with permission from a sponsoring faculty member.
7. Must have an overall Grade Point Average (GPA) of 3.0
8. In addition to the required core courses, students will have selected elective courses from the following list to complete the degree:
  - Aviation Public Policy and Regulation
  - Aviation Information Technology
  - Aviation Environmental Concerns
  - Advanced Aviation Safety Management
  - Aviation Management Theory

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- Human Factors: Human Perception in
- Information System Design
- Human Factors in Training System Design
- Airline Labor Relations and Law
- Strategic Airport Planning
- Supervised Field Work
- Aviation Seminar
- Individual Research in Aviation

## Faculty

- **Bruce Smith, Ph.D., Dean and Professor**
- **Paul Lindseth, Ph.D., Associate Dean of Academics and Professor:** Research Methods
- **Warren C. Jensen, M.D., Professor:** Aerospace Medicine, Human Factors
- **Douglas Marshall, J.D., Associate Professor:** Airline Operations and Economics, Labor Relations and Law, Capstone
- **Kim Kenville, Ph.D., C.M., Assistant Professor:** Economics, Organizational Behavior, and Airport Planning
- **Ernest Anderson, Assistant Professor:** Aviation Enforcement Law, Public Policy & Regulations
- **William Watson, J.D., Assistant Professor**
- **Charles Robertson, M.A., Associate Professor:** Information Technology, Instructional Design
- **Joe Vacek, J.D., Assistant Professor:** Aviation Law, Environmental Concerns
- **Bill Watson J.D., Assistant Professor:** Advanced Safety Management
- **Tom Petros, Ph.D., Professor:** Psychology, Statistics

## Contact Information:

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