AVIATION, M.S.

The Master of Science in aviation provides a competitive and rigorous program that prepares graduates for leadership roles within the aviation industry. The program is well-suited for the working professional as 100% of the courses are taught online, with the exception of a 2-credit internship requirement. The coursework provides a strong foundation and prepares students to perform aviation-related up-to-date research, all of which positions the student for a successful career in a wide variety of aviation positions.

Curriculum Overview

The program consists of 32 credits of graduate-level work: a common core and a graduate-level internship experience. All courses are offered online. Each M.S. student prepares a program of study that must be approved by their faculty advisor, the department chair, and the associate dean for graduate education and research for Parks College. This program of study is developed within the context of the student’s background and career goals, allowing students to customize their graduate program to suit their professional goals.

Fieldwork and Research Opportunities

The expert faculty of Parks College collaborate with graduate students in ground-breaking research in the following areas:

- Flight control systems
- Flight education
- Human factors/physiology
- Safety
- Unmanned aerial systems

Careers

Possible career fields for Master of Science graduates include flight training and education, aviation-related management, and aviation safety. After graduating, alumni are qualified for management positions within the aviation industry.

Admission Requirements

Most admitted students meet the following criteria:

- GRE quantitative score greater than 650 (old grading system) or greater than 150 (new grading system)
- Undergraduate GPA of at least 3.0
- A four-year undergraduate degree in aviation or related field of desired graduate program

Application Requirements

- Online application form and fee
- Official transcript(s) of all previous degrees
- Three letters of recommendation (preferably from recent instructors)
- GRE scores
- Curriculum vitae/résumé
- Professional goal statement

Requirements for International Students

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English Language Proficiency (http://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency)
- Proof of financial support must include:
  - A letter of financial support from the person(s) or sponsoring agency funding the time at Saint Louis University
  - A letter from the sponsor’s bank verifying that the funds are available and will be so for the duration of study at the University
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the courses taken and/or lectures attended, practical laboratory work, the maximum and minimum grades attainable, the grades earned or the results of all end-of-term examinations, and any honors or degrees received. WES and ECE transcripts are accepted.

Application and Assistantship Deadlines

The department is only reviewing applications for the fall semester. To be considered for enrollment in the fall semester, students should submit their application materials by May 31.

Admitted students who want to be considered for an assistantship must submit a separate application for assistantship consideration by March 1.

Review Process

Once all the materials are received and the online application is complete, the application is reviewed by the Parks College Office of Graduate Education and Research before being sent to the Department of Aviation Science for a recommendation. The final decision is made by Parks’ director of graduate programs.

Admissions decisions are made based on the background and educational experience of students. Applications are reviewed when completed, and decisions are generally made within a few weeks.

Scholarships and Financial Aid

Parks College offers graduate fellowship awards and assistantships each year. Assistantships provide tuition, stipend, and health insurance. There are also many opportunities for students to receive funding through external research grants that are managed by individual faculty.

For more information, visit the student financial services office online at http://finaid.slu.edu.

Learning Outcomes

1. Graduates will be able to assess relevant literature or scholarly contributions in the field(s) of study.
2. Graduates will be able to apply the major practices, theories, or research methodologies in the field(s) of study.
3. Graduates will be able to apply knowledge from the field(s) of study to address problems in broader contexts.
4. Graduates will be able to articulate arguments or explanations to both a disciplinary or professional audience and to a general audience, in both oral and written forms.
5. Graduates will be able to evidence of scholarly and/or professional integrity in the field of study.

Requirements

The M.S. in Aviation requires a minimum of 32 credits beyond a bachelor’s degree: 30 credits of graduate coursework and a 2 credits of
graduate-level internship experience. The M.S. in Aviation is non-thesis, course-only degree. All courses are offered online.

**Continuation Standards**

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.