AVIATION, M.S.

Saint Louis University's Master of Science in Aviation is a fully online, rigorous program that prepares graduates for leadership roles within the aviation industry. The master's degree provides technical depth and specialization that can lead to expanded career opportunities and responsibilities for graduates, as well as preparation for doctoral (Av.D. and Ph.D.) studies.

Program Highlights

- SLU's Master of Science in Aviation is well-suited for working professionals since 100% of the courses are taught online.
- Exceptional aeronautics undergraduate students who are committed to continuing their education through a master's program can reduce the time it takes to complete their bachelor's and master's degrees. SLU aeronautics (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aeronautics-bs/) undergraduates may apply for admission to the Master of Science in Aviation program, and if admitted, may be able to apply up to six credit hours of graduate coursework from their senior/fourth year toward the 30 hours required for the Master of Science in Aviation. See the Department of Aviation Science (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/) for more information on this option.

Curriculum Overview

SLU's master's program in aviation consists of 30 credits of graduate-level work: a common core taught in a completely online format and a graduate-level internship experience. 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 School of Science and Engineering.

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.

Careers

Possible career fields for Master of Science in Aviation 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

Begin your application for this program at www.slu.edu/apply (http://www.slu.edu/apply.php).

Most admitted students meet the following criteria:

- Undergraduate GPA of at least 3.0
- A four-year undergraduate degree in aviation or a field related to the desired graduate program

Application Requirements

- Online application form
- Official transcript(s) of all previous degrees
- Three letters of recommendation (preferably from recent instructors)
- A writing sample solely authored by the applicant that has been preferably composed within the last two to three years. The sample should relate to a contemporary issue affecting the aviation industry. Submissions should be formatted using APA style, be between 2,000-3,000 words and include an abstract of fewer than 200 words.
- 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:

- Demonstration of English Language Proficiency (https://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/)
- Proof of financial support, including:
  - 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 only reviews applications for the fall semester. To be considered for enrollment, submit 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 the online application is complete and all the materials are received, the School of Science and Engineering's Office of Graduate Education and Research reviews the application before sending it to the Department of Aviation Science for a recommendation. The college's associate dean for graduate education makes the final.

Admission 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.

Apply Now (http://www.slu.edu/apply.php)

Tuition

Tuition	Cost Per Credit
Graduate Tuition	$1,370

Additional charges may apply. Other resources are listed below:

Net Price Calculator (https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php)

Information on Tuition and Fees (https://catalog.slu.edu/academic-policies/student-financial-services/tuition/)

Miscellaneous Fees (https://catalog.slu.edu/academic-policies/student-financial-services/fees/)

Information on Summer Tuition (https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer/)

Financial Support

The School of Science and Engineering 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 www.slu.edu/financial-aid (https://slu.edu/financial-aid/).

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

SLU's M.S. in aviation requires a minimum of 30 credits of graduate coursework beyond a bachelor's degree. The M.S. in aviation is a fully online, non-thesis, course-only degree.

Code	Title	Credits
Aviation Foundation Requirement		*24*
	Students should choose 24 credits with the Aviation Foundation (Graduate) attribute (p. 2)	
Research Methodology Requirement		*6*
	Students should choose 6 credits with the Aviation Research (Graduate) attribute (p. 2)	
Total Credits		**30**

Students who completed an undergraduate aeronautics degree from SLU may use up to 6 credits of graduate coursework (5000 level and above) to count towards both the B.S. and M.S. degrees.

Please note: the courses in the Master of Science in Aviation curriculum are taught in an entirely online format.

Non-Course Requirement

Students are required to take a final comprehensive oral examination during their final academic term. All students must also complete an exit survey with their department during their final semester.

Continuation Standards

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

Aviation Foundation Attributed Courses

Code	Title	Credits
ASCI 5030	Aviation Security Management	3
ASCI 5040	Human Factors in Aviation Safety	3
ASCI 5150	Aviation Incident and Accident Analysis	3
ASCI 5210	Aviation Organization Theory and Management	3
ASCI 5220	Aviation Safety Programs	3
ASCI 5230	Prof Ethics and Standards	3
ASCI 6010	Federal & International Regs	3
ASCI 6020	Flight Op's Business & Admin	3
ASCI 6030	Aviation and Public Policy	3
ASCI 6070	Aviation Training Methods	3

Aviation Research Attributed Courses

Code	Title	Credits
ASCI 5010	Introduction to Aviation Research Methods	3
ASCI 5020	Aviation Safety Data Analysis	3
ASCI 5460	Qualitative Data Analysis	3
ASCI 5470	Quantitative Data Analysis	3
AA 5221	Applied Analytics & Methods I	3
EDR 5100	Intro to Inferential Stats: Ed	3
EDR 6100	Intermediate Applied Statistics for Education	3
ORES 5100	Research Methods in Health & Medicine	3
PSY 6500	Applied Multivariable and Multivariate Statistics in Behavioral Science	3
SOC 5750	Qualitative Analysis, Grounded Theory Method	3
SOC 5800	Survey Design & Sampling	3

Aviation Elective Attributed Courses

Code	Title	Credits
ASCI 5010	Introduction to Aviation Research Methods	3
ASCI 5020	Aviation Safety Data Analysis	3
ASCI 5030	Aviation Security Management	3
ASCI 5040	Human Factors in Aviation Safety	3
ASCI 5150	Aviation Incident and Accident Analysis	3
ASCI 5210	Aviation Organization Theory and Management	3
ASCI 5220	Aviation Safety Programs	3
ASCI 5230	Prof Ethics and Standards	3
ASCI 5460	Qualitative Data Analysis	3
ASCI 5470	Quantitative Data Analysis	3
ASCI 5980	Graduate Reading Course	1-3
ASCI 6010	Federal & International Regs	3
ASCI 6020	Flight Op's Business & Admin	3
ASCI 6030	Aviation and Public Policy	3
ASCI 6070	Aviation Training Methods	3
AA 5221	Applied Analytics & Methods I	3
BME 6000	Preparing Future Faculty	3
EDR 5100	Intro to Inferential Stats: Ed	3
EDR 6100	Intermediate Applied Statistics for Education	3
GIS 5040	Introduction to Remote Sensing	3
IB 6000	Global Business Environment	3
IB 6220	International E-Business	3

ORES 5100	Research Methods in Health & Medicine	3
PSY 6500	Applied Multivariable and Multivariate Statistics in Behavioral Science	3
SOC 5750	Qualitative Analysis, Grounded Theory Method	3
SOC 5800	Survey Design & Sampling	3

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Fall		
ASCI 5010	Introduction to Aviation Research Methods [1]	3
ASCI 5220	Aviation Safety Programs [2]	3
	Credits	**6**
Spring		
AA 5221	Applied Analytics & Methods I [1]	3
ASCI 5030	Aviation Security Management [2]	3
	Credits	**6**
Year Two		
Fall		
ASCI 5040	Human Factors in Aviation Safety [2]	3
ASCI 5210	Aviation Organization Theory and Management [2]	3
	Credits	**6**
Spring		
ASCI 6070	Aviation Training Methods [2]	3
	Credits	**3**
Year Three		
Fall		
ASCI 5150	Aviation Incident and Accident Analysis [2]	3
ASCI 5230	Prof Ethics and Standards [2]	3
	Credits	**6**
Spring		
ASCI 6030	Aviation and Public Policy [2]	3
M.S. Comprehensive Examination		
	Credits	**3**
	Total Credits	**30**

[1] Aviation Research - 6 Credit Hours
[2] Aviation Foundation - 24 Hours

Program Notes

- All coursework is offered online.
- The program is a 30-credit hour, course-only program.
- A comprehensive examination at the end of coursework is a graduation requirement.

Contact Us

For more information about any School of Science and Engineering graduate program, email ssegrad-admissions@slu.edu.