About the Faculty
The aviation science faculty has experience in many aspects of aviation. The department employs airline pilots to teach air carrier related courses. The faculty also actively pursues research. Two major research projects are currently underway: aviation safety action programs in maintenance and safety culture in the technical operations of air traffic.

Curriculum
The aviation science department continually seeks ways to improve and add to the curriculum. We are engaged in building a team-based, learner-centric pedagogy that will prepare our students as outstanding team members and global citizens.

A full breakdown of the courses you will take in the flight science program is available online at aviation.slu.edu. The courses include a stipulated number of flight or simulator hours and lead to the private and commercial certificates and the instrument and multi-engine ratings.

To support its instructional efforts, the aviation science department maintains a varied fleet of aircraft, including Diamond Eclipes and Cirrus SR20 aircrafts for primary and instrument training and Piper Arrows for commercial training. The Piper Seminole serves as our multi-engine trainer. Students also take advantage of a repertoire of Frasca flight training devices (fixed simulators) for simulation training. In addition to those simulators on the flight line, we have a state-of-the-art Canadair Regional Jet-200 simulator in which students take their capstone course, conducting flights as if operating a 50-seat airliner. This additional training prepares students for initial training at a regional airline.

Reduced Airline Transport Pilot (ATP) Minimums:
+ Saint Louis University has been granted approval to provide a transcript endorsement certifying graduates for a 250-hour or 500-hour reduction towards the ATP Certificate for the Bachelor of Science in Aeronautics degree with a major in Flight Science or Aviation Management. For students to qualify for this reduction, they must complete 30 credits of approved coursework to be eligible for the 250-hour reduction, or complete 60 credits of approved coursework to be eligible for the 500-hour reduction. To learn more about the FAA approved curriculum, visit aviation.slu.edu.

Program Overview
Saint Louis University’s Parks College of Engineering, Aviation and Technology was the first federally certified flight school in the nation, founded by Oliver L. Parks in 1927. Today, Saint Louis University is the only Jesuit university with a flight program, making us a premier institution for flight education. This Jesuit heritage means students learn to make ethical decisions that contribute to their personal and professional goals and allow them to enrich the community in which they live and work.

SLU students learn to fly in some of the world’s most advanced light aircraft: the Diamond DA-20, Cirrus SR20 with Garmin Perspective, the Piper Arrow with Avidyne Entegra integrated flight deck and the Piper Seminole. Advanced students further their studies of larger aircraft in a state-of-the-art Canadair Regional Jet-200 simulator. Students receive a holistic education that includes foundational and advanced courses in flight science and aviation management rounded out by the traditional SLU core classes and elective courses.

The flight portion of the B.S. in flight science curriculum is approved by the Federal Aviation Administration (FAA) under Part 141. Graduates of the program will have earned the following FAA certificates and ratings: private pilot certificate, instrument rating, and commercial pilot certificate with single and multi-engine ratings. Additionally, students enrolled in the flight education minor, with courses offered under FAA Part 61, can earn the certified flight instructor, certified flight instructor instrument and certified flight instructor multi-engine certificates.

Degree(s)
+ Bachelor of Science (B.S.) in aeronautics, concentration in flight science

Graduate Programs
+ Master of Science (M.S.) in aviation
+ Doctor of Philosophy (Ph.D.) in aviation
For a full listing of graduate programs, visit graduate.slu.edu.

Contact
Department of Aviation
314-977-8203
aviation@slu.edu

Learn More
For course listings and more information about our faculty, visit aviation.slu.edu.

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April 2015
Admission Requirements

In addition to the general admission and matriculation requirements of the University, applicants to any flight science programs must be able to pass a Federal Aviation Administration class II medical examination. This physical examination is an absolute prerequisite for flight training and should be taken prior to the student’s arrival on campus. For specific information regarding the examination, visit the FAA online at faa.gov/pilots/amelocator. Early application for admission to the flight science program is strongly encouraged as capacity may be limited.

International students will be evaluated for their listening comprehension and spoken ability in addition to meeting regular English requirements. Prior to commencing flight instruction, special training will be required for those students found deficient in this evaluation.

All applications are thoroughly reviewed with the highest degree of individual care and consideration to all credentials that are submitted. To be considered for admission to any Saint Louis University undergraduate program, the applicant must be graduating or have graduated from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

For information about scholarships available for flight science, visit parks.slu.edu/academics/scholarships-financial-aid.

Internships and Careers

The aviation science department provides valuable internship opportunities with Delta Air Lines, Southwest Airlines, Trans States Airlines, JetBlue and other carriers. Other corporate internships are also available. These internships are highly competitive.

The flight science degree prepares graduates to enter the aviation industry as a professional pilot in the airline, corporate and military sectors. After earning their flight instructor certificates, graduates who do not enter a military career track typically seek a flight instructor position to develop their experience for one–three years at which time they are qualified for a position with a regional airline or corporate flight department.

Restricted ATP Rule:
+ Effective Aug. 1, 2014, all airline pilots in the U.S. are required to hold an ATP Certificate. To obtain this certificate, applicants must have at least 1,500 flight hours, 200 cross-country hours, completed instrument rating and have a commercial certificate. Graduates from an approved collegiate flight training program may receive reductions from the 1,500 hours based on the approved curriculum for that program. For more information, you can view the regulation on the FAA website at faa.gov.

Additional Benefit of the Program:
+ Students who graduate from Saint Louis University, under the Institutional Authority Program, are eligible for a transcript endorsement leading to a restricted ATP certificate with either 1,000 or 1,250 hours of flight experience depending on the number of approved credit hours completed. Students who graduate from unapproved institutions require 1,500 hours of flight experience prior to ATP certification. This also allows students to qualify for the ATP certification at the age of 21 instead of having to wait until they are 23.

Contact
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+ Doctor of Philosophy (Ph.D.) in aviation
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