

DEPARTMENT OF AVIATION SCIENCE

Leadership

Stephen Magoc, M.B.A.
Department Chair

Overview

The mission of the Department of Aviation Science is to actively engage in the fulfillment of Saint Louis University's mission so that students are formed as global citizens who are intellectually, technically and ethically prepared to be responsible leaders in the aviation profession and their community.

The Department of Aviation Science continually seeks ways to improve and add to the curriculum. Faculty are engaged in building a team-based, learner-centric pedagogy that will prepare students as outstanding team members and global citizens.

To support its instructional efforts, the Department of Aviation Science maintains a varied fleet of aircraft, including Diamond DA20 Eclipses and Cirrus SR20 aircraft for primary instrument training and commercial training. The Piper Seminole serves as a 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, there is a state-of-the-art Canadair Regional Jet-700 simulator in which students take their capstone course, conducting flights as if operating a 70-seat airliner. This additional training prepares students for initial training at a regional airline.

The Department of Aviation Science offers a Bachelor of Science in Aeronautics degree program with concentrations in aviation management and flight science. Aviation management (AMGT) prepares the graduate to pursue a variety of careers as a non-flying aviation professional. Flight science (FSCI) is intended for those students who wish to pursue a career as a professional pilot.

The Department of Aviation Science offers a Master of Science and Doctor of Philosophy in Aviation. The Ph.D. program allows for a customized curriculum in which the student works with their Advisory Committee to identify a plan of study that compliments their scholarly and professional goals. Please see the graduate programs catalog for additional information regarding the M.S. and Ph.D. in aviation degrees.

Programs

- Aeronautics, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/aviation/aeronautics-bs>)
- Aviation, M.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/aviation/aviation-ms>)
- Aviation, Ph.D. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/aviation/aviation-phd>)
- Flight Science, Minor (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/aviation/flight-science-minor>)

Policies

The Center for Aviation Science "Flight Operations Manual (FOM)" outlines policies, procedures and other information pertaining to flight operations for the purpose of ensuring the highest level of safety,

efficiency and effectiveness for flight activity. It is the responsibility of each student and employee to operate in accordance with the provisions of this document. Failure to abide by the policies and procedures contained in the Flight Operations Manual may result in disciplinary action including suspension/termination of flight privileges, a failing grade in a flight course, and dismissal from the Flight Science concentration.

Holders of FAA or EASA Certificates: Transferring Credit to the Aviation Management Program

Students may be able to transfer credits from another institution to meet the academic requirements of the Aviation Management program at Parks College of Engineering, Aviation and Technology. Students must complete at least the last 30 credits of study at Saint Louis University. See our transfer credit policy for additional guidelines.

For students holding the Federal Aviation Administration (FAA) Airframe and Powerplant (A&P) certificate, up to 30 credits may be accepted to meet Emphasis Area Elective requirements of the Aviation Management program, provided the student was eligible to earn the A&P certificate by attendance at an accredited collegiate FAA-approved Part 147 Aircraft Maintenance Technician School (AMTS). The student must provide academic transcripts from the accredited college or university and a copy of the permanent A&P certificate to be considered for acceptance of the credit.

For students holding Federal Aviation Administration (FAA) pilot certificates, up to 20 credits may be accepted to meet Emphasis Area Elective requirements of the Aviation Management program, provided the student was eligible to earn the certificates by attendance at an accredited collegiate, FAA-approved Part 141 flight school for credit of the instrument and commercial pilot ratings. The student must provide academic transcripts from the accredited, collegiate flight school and a copy of the permanent certificates to be considered for acceptance of the credit. Individual certificate credit is shown in table 1.

For students holding the European Aviation Safety Authority (EASA) Commercial Multi-Engine Instrument license with ATP theory and Multi-Crew Coordination course, up to 25 credits may be accepted to meet Emphasis Area Elective requirements of the Aviation Management program, provided the student was eligible to earn the licenses by attendance at a collegiate, EASA approved flight program. The student must provide academic transcripts and a copy of the permanent licenses to be considered for acceptance of the credit. Individual license credit is shown in table 1.

Other transfer options include credits awarded towards the FAA's eligibility requirements for the aviation certificates by the American Council on Education (ACE). ACE credits could allow students to transfer up to 30 credits. Please refer to the information below.

American Council on Education (ACE)

A student may receive credit for courses evaluated and approved for college credit by the American Council on Education (ACE). Listings of ACE approved courses and credit recommendations are contained in two publications: A Guide to the Evaluation of Educational Experiences in the Armed Forces and The National Guide to Educational Credit for Training Programs. Credits received are subject to the same policies as those of any other transfer credit.

In all cases, previous college coursework and transfer credits will be evaluated on a case by case basis to give students the best opportunity to succeed in their program of choice.

Table 1 - Aviation related collegiate-level credit transfer options for students in the Aviation Management program.

Issuing Certificate or Agency License	Credits (maximum)	Parks Equivalency
FAA		
Solo Operations	3	FSCI 1150
Private Pilot Certificate	3	FSCI 1550
Commercial Operations		
Commercial Operations	3	FSCI 2150
Instrument Operations		
Instrument Aircraft Rating Commercial Operations	3	FSCI 2550
Commercial Pilot Certificate Multi-Engine Land Additional Rating	1	FSCI 3550
Flight Instructor Certificate	3	FSCI 3750
EAA/JAA		
Private Pilot	3	FSCI 1150/FSCI 1550
Instrument Rating	3	FSCI 1550/FSCI 2150
Commercial Pilot	3	FSCI 2550/FSCI 3550
Commercial Additional	1	FSCI 3550
ATP Theory	12	FSCI 1250/FSCI 2250/ FSCI 2650/ASCI 1300
Multi-Crew Coordination	3	ASCI 4010

Faculty

Additional Faculty Information (<https://www.slu.edu/parks/faculty>)

Bill Baumheuter
 Stephen Belt, Ph.D.
 Ryan Boyer, M.B.A.
 Terrence Kelly, Ph.D.
 Stephen Magoc, M.B.A.
 Saul Robinson, Ph.D.
 James Sebesta, S.J.