OLIVER L. PARKS DEPARTMENT OF AVIATION SCIENCE

Leadership

Stephen Belt, Ph.D.
Associate professor and department chair

Overview

The mission of the Oliver L. Parks 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.

SLU's Oliver L. Parks Department of Aviation Science continually seeks 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 Oliver L. Parks Department of Aviation Science maintains a varied fleet of aircraft, including Diamond DA-20, Piper Archer PA28-181 with Garmin G1000nxi, and Seminole PA44 aircraft for primary instrument training and commercial training. The Piper Seminole serves as a multiengine trainer. Students also take advantage of a repertoire of Frasca Tru-Flite Advanced Aircraft Training Devices (AATDs – fixed simulators) for simulation training. In addition to those AATDs, in McDonnell Douglas Hall there is a state-of-the-art Boeing 737 simulator in which students take their capstone courses, conducting flights as if operating within the airline environment. This additional training prepares students for initial training at a regional airline.

The Oliver L. Parks Department of Aviation Science offers a Bachelor of Science in Aeronautics (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aeronautics-bs/) with concentrations in aviation management and flight science. Aviation management (AMGT) prepares the graduate to pursue a variety of careers as a nonflying aviation professional. Flight science (FSCI) is intended for those students who wish to pursue a career as a professional pilot.

The Oliver L. Parks Department of Aviation Science offers a Master of Science in Aviation (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aviation-ms/), Doctor of Philosophy in Aviation (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aviation-phd/), and a Doctor of Aviation (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/doctor-aviation/). These programs allow for a customized curriculum in which the student works with their advisory committee to identify a plan of study that complements their scholarly and professional goals. Please see the catalog entries (p. 1) for additional information regarding the M.S., Ph.D., and Av.D. degrees.

Programs

- Aeronautics, B.S. (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aeronautics-bs/)
- Aviation, Doctor of (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/doctor-aviation/)
- Aviation, M.S. (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aviation-ms/)
- Aviation, Ph.D. (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/aviation-phd/)
- Flight Science, Minor (https://catalog.slu.edu/colleges-schools/science-engineering/aviation/flight-science-minor/)

Policies

The Center for Aviation Science "Flight Operations Manual" 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 in the Oliver L. Parks Department of Aviation Science. Students must complete at least the last 30 credits of study at Saint Louis University. See our transfer credit policy for additional guidelines.

Other transfer options include credits awarded towards the FAA's eligibility requirements for 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 Commercial Operations	3	FSCI 1550
Commercial Operations Instrument Operations	3	FSCI 2150
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/science-and-engineering/faculty/)

Stephen Belt, Ph.D. (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/belt-stephen.php), chair

Ryan Boyer, MBA (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/boyer-ryan.php), associate chair

David Chilenski, M.A. (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/chilenski-david.php), assistant chief flight instructor

Luigi Dy, Ph.D.

Stephen Magoc, MBA (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/magoc-stephen.php)

Jack Schwarz (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/schwarz-jack.php), chief flight instructor

Donny Schmidt (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/schmidt-donny.php), assistant chief flight instructor

Gajapriya Tamilselvan, Ph.D. (https://www.slu.edu/science-and-engineering/academics/parks-aviation-science/faculty/tamilselvan-gajapriya.php)