AVIATION MANAGEMENT, B.S.

The online Aviation Management program provides students with specialized knowledge of the aviation industry and a strong foundation in corporate operations. The program emphasizes learner-centric education, utilizing problem-based learning. Students demonstrate a deeper understanding of their discipline and develop greater intellectual curiosity, confidence and engagement. This is a proven technique, central to all aviation management courses.

Curriculum Overview

This program is offered in collaboration between the School for Professional Studies and Parks College of Engineering, Aviation and Technology. For admission to the online Aviation Management program, students will apply and be admitted to the School for Professional Studies in accordance with SPS guidelines. After completing the core curriculum and leadership courses students will transition to the Department of Aviation Science in Parks College of Engineering, Aviation and Technology.

Fieldwork and Research Opportunities

Graduates who pursue the Helicopter Pilot Preparation program leave the program with private, commercial and instrument helicopter licenses. They can fly as an independent contract aviator, as a commercial pilot or a government employee with the Federal Aviation Administration or the Department of Agriculture.

Careers

Graduates from the aviation management program are well prepared for supervisory, sales, marketing, budgeting and personal management positions in the aerospace industry, including those in the following areas:

- Airports
- Aircraft manufacturers
- Commercial airlines
- Fixed-base operators
- Government

The breadth of experiences offered through the aviation management degree program also allows graduates to pursue positions outside of aviation in other technical fields.

Admission Requirements

- Age: 22 years or older
- Work Experience: at least 3 years or the equivalent
- Education: high school diploma or composite GED score of at least 2250
- Interview: successful completion of an admission meeting with an admissions counselor. This can be done over the phone or on campus
- Grade Point Average: min transfer cumulative GPA of 2.5 (unless qualified for conditional admittance)

Students are encouraged to apply for admission at least one month before the term in which they wish to enroll.

Step 2 – Request official Transcripts

Have official transcripts mailed directly from all previously attended colleges to:

School for Professional Studies
Attention: Admissions
3840 Lindell Blvd
St. Louis, MO 63108

Applicants seeking a degree or certificate who have not earned a bachelor’s degree must obtain official transcripts for all previous college course work. If students have never attended college or have less than 15 credits of transferable college credits they will need to provide official high school or GED transcripts.

Applicants seeking a certificate who have a bachelor’s degree need only provide an official transcript from their primary higher education institution or evidence of a high school diploma or GED.

Non-degree applicants only need to provide unofficial copies as needed for prerequisites.

Step 3 – Meet with Admissions Counselor

Contact an admissions counselor to discuss the status of the application and educational and career goals. Students may schedule an appointment to speak with an admissions counselor at the St. Louis campus or over the phone in certain instances. Appointments are available during business hours and weekday evenings.

A writing and/or math assessment test may be necessary during or shortly after the admissions meeting.

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. The School for Professional Studies offers numerous scholarships and awards specially for new students.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

To determine eligibility for financial assistance, submit the Free Application for Federal Student Aid (FAFSA) early for maximum consideration. FAFSA is available online at: http://www.fafsa.ed.gov

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

Active Military and Veterans

Students may be eligible for a reduced tuition rate of $250 per credit for this program. In addition, Saint Louis University participates in the Yellow Ribbon Program for eligible students.

Learning Outcomes

The Department of Aviation Science is accredited by the Aviation Accreditation Board International (AABI). As such, the department utilizes
the AABI Student Learning Outcomes in its continuing assessment process.

The AABI Student Learning Outcomes are:

1. Apply mathematics, science, and applied sciences to aviation related disciplines
2. Analyze and interpret data
3. Work effectively on multi-disciplinary and diverse teams
4. Make professional and ethical decisions
5. Communicate effectively, using both written and oral communication skills
6. Engage in and recognize the need for life-long learning
7. Assess contemporary issues
8. Use the techniques, skills, and modern technology necessary for professional practice
9. Assess the national and international aviation environment
10. Apply pertinent knowledge in identifying and solving problems
11. Apply knowledge of business sustainability to aviation issues.

Assessment of Program Student Learning Outcomes: Flight Science Program Assessment and Student Success (AABI 3.4.2 Compliance) (http://www.slu.edu/parks/degrees-minors/docs/flight-science-concentration-assessment-plan.pdf)


Assessment of Program Student Learning Outcomes: Aviation Management Program Assessment and Student Success (AABI 3.4.2 Compliance) (http://www.slu.edu/parks/degrees-minors/docs/aviation-management-concentration-assessment-plan.pdf)


The AABI Student Learning Outcomes are:

**Assessment of Program Student Learning Outcomes: Flight Science Program Assessment and Student Success (AABI 3.4.2 Compliance)**

1. Apply pertinent knowledge in identifying and solving problems in aviation.
2. Assess contemporary issues related to aviation.
3. Engage in and recognize the need for life-long learning in aviation.
4. Assess the national and international aviation environment.
5. Apply pertinent knowledge in identifying and solving problems in aviation.
6. Engage in and recognize the need for life-long learning in aviation.
7. Assess contemporary issues related to aviation.
8. Use the techniques, skills, and modern technology necessary for professional practice.
9. Assess the national and international aviation environment.
10. Apply pertinent knowledge in identifying and solving problems in aviation.
11. Engage in and recognize the need for life-long learning in aviation.

**Assessment of Program Student Learning Outcomes: Aviation Management Program Assessment and Student Success (AABI 3.4.2 Compliance)**

1. Apply pertinent knowledge in identifying and solving problems in aviation.
2. Assess contemporary issues related to aviation.
3. Engage in and recognize the need for life-long learning in aviation.
4. Assess the national and international aviation environment.
5. Apply pertinent knowledge in identifying and solving problems in aviation.
6. Engage in and recognize the need for life-long learning in aviation.
7. Assess contemporary issues related to aviation.
8. Use the techniques, skills, and modern technology necessary for professional practice.
9. Assess the national and international aviation environment.
10. Apply pertinent knowledge in identifying and solving problems in aviation.
11. Engage in and recognize the need for life-long learning in aviation.

**Requirements**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMMK 1210</td>
<td>Public Speaking in Org. Life</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1300</td>
<td>Information Systems and Technology</td>
<td>3</td>
</tr>
<tr>
<td>CIS 2850</td>
<td>Principles of Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1900</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1505</td>
<td>The Process of Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2005</td>
<td>Writing &amp; Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4000</td>
<td>Business and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 1300</td>
<td>Aviation Weather</td>
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</tr>
<tr>
<td>MATH 1205</td>
<td>College Algebra</td>
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<tr>
<td>MATH 1325</td>
<td>Survey of Calculus</td>
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<tr>
<td>OSTD 3005</td>
<td>Organizational Foundations</td>
<td>3</td>
</tr>
<tr>
<td>OSTD 3205</td>
<td>Interpersonal Relations in Org</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 1105</td>
<td>Introduction to Philosophy: Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2055</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PST 1000</td>
<td>Learning Strategies and Processes</td>
<td>3</td>
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<tr>
<td>PSYK 1010</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>PST 3200</td>
<td>Human Resources in Orgs</td>
<td>3</td>
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<tr>
<td>Any Cultural Diversity elective</td>
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<tr>
<td>THEO 1005</td>
<td>Theological Foundations</td>
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<tr>
<td>PHYS 1350</td>
<td>Aviation Physics</td>
<td>4</td>
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<td>Any Literature course</td>
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**Aviation Science Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ASCI 1010</td>
<td>Professional Orientation</td>
<td>2</td>
</tr>
<tr>
<td>ASCI 1850</td>
<td>Safety Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 3100</td>
<td>Air Carrier Operations</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 4050</td>
<td>Human Factors</td>
<td>3</td>
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<tr>
<td>ASCI 4250</td>
<td>Prof Ethics and Standards</td>
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<tr>
<td>OSTD 3305</td>
<td>Team Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 4450</td>
<td>Aviation Law</td>
<td>3</td>
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</tbody>
</table>

**Aviation Management Courses**

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<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ASCI 1510</td>
<td>The Air Transportation System</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 2250</td>
<td>Aviation and Airport Security</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 2750</td>
<td>Accident Investigation</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 3050</td>
<td>Operations &amp; Business Environment of Aviation</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 4650</td>
<td>Econ of Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 4800</td>
<td>International Aviation</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 4900</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>or AVM 4500</td>
<td>Principles of Flight Instruction II</td>
<td>3</td>
</tr>
<tr>
<td>or AVM 4750</td>
<td>Helicopter Flight Operations VI</td>
<td>3</td>
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</table>

**Internship Experience**

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ASCI 4915</td>
<td>Internship with Industry</td>
<td>3</td>
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</tbody>
</table>

**Approved Emphasis Area**

Students may select an approved emphasis area. Examples include Airframe and Powerplant certification credit or an SPS minor.

Total Credits 120

**Continuation Standards**

Students must maintain a minimum 2.00 GPA.

**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.

**Aviation Management Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Year One</td>
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</tr>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASCI 1010</td>
<td>Professional Orientation</td>
<td>2</td>
</tr>
<tr>
<td>ASCI 1300</td>
<td>Aviation Weather</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1500</td>
<td>The Process of Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 1050</td>
<td>Introduction to Philosophy: Self and Reality</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL 1055</td>
<td>or Intro to Phil: Self &amp; Reality</td>
<td></td>
</tr>
<tr>
<td>or PST 1000</td>
<td>or Learning Strategies and Processes</td>
<td></td>
</tr>
</tbody>
</table>

Credits 15
### Year Two

#### Spring
- ASCI 1510: The Air Transportation System 3
- ASCI 1850: Safety Management Systems 3
- ENGL 1900: Advanced Strategies Of Rhetoric and Research or Writing & Research Methods 3
- MATH 1320 or MATH 1325: Survey of Calculus 3
- PHIL 2050 or PHIL 2055: Ethics 3

#### Fall
- ASCI 2250: Aviation and Airport Security 3
- ECON 1900 or PST 1900: Principles of Economics 3
- PHYS 1350: Aviation Physics (or Science Course with Laboratory) 4
- PSY 1010 or PSYK 1010: General Psychology 3
- THEO 1000 or THEO 1005: Theological Foundations 3

### Year Three

#### Fall
- ASCI 3050: Operations & Business Environment of Aviation 3
- ASCI 4050: Human Factors 3
- MGT 3000 or OSTD 3005: Management Theory and Practice or Organizational Foundations 3
- OPM 2070 or CIS 2850: Introduction to Business Statistics or Principles of Data Analysis 3

#### Spring
- ASCI 3100: Air Carrier Operations 3
- ASCI 4915: Internship with Industry 3
- MGT 3300 or PST 3200: Management of Human Resources or Human Resources in Orgs 3

### Year Four

#### Fall
- ASCI 4250: Prof Ethics and Standards 3
- ASCI 4450: Aviation Law 3
- ENGL 4000 or ENGL 4005: Business and Professional Writing 3
- OPM 3050 or OSTD 3205: Introduction to Management Science and Operations Management or Interpersonal Relations in Org 3

#### Spring
- ASCI 4350 or OSTD 3305: Team Resource Management or Team Dynamics 3
- ASCI 4650: Econ of Air Transportation 3
- ASCI 4800: International Aviation 3
- ASCI 4900: Senior Seminar 3

Elective: Approved Emphasis Area † 3

### Credits

- Total Credits: 121

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* Denotes the on-ground course offered by Parks College of Engineering, Aviation and Technology, the second ("or") course is the online course offered by the School for Professional Studies.

† Course must be approved by the department chairperson.

‡ Course must be approved as culturally diverse by Parks College.