AERONAUTICS (AVIATION MANAGEMENT), B.S.

Acquire critical knowledge of the aviation industry as you develop a strong foundation in corporate operations. Whether you are interested in working with the Federal Aviation Administration (FAA), aircraft manufacturing, airports, or a different segment of the aviation industry, you may be interested in a Bachelor of Science in Aeronautics and Aviation Management. Offered in collaboration between Saint Louis University’s School for Professional Studies and Parks College of Engineering, Aviation and Technology, you will learn to better interpret data, assess the aviation environment, and apply business sustainability practices to challenges within the aviation industry.

As part of the School for Professional Studies, this 120-credit degree program offers you a flexible option to meet your personal career goals. With six start terms each year available through SLU online, you can begin working toward your degree at any time. All courses are offered entirely online in eight-week terms, making advanced education more accessible for working professionals. For admission to the online Aviation Management program, students need to apply and be admitted to the School for Professional Studies. 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.

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 (exceptions may be made)
- Work Experience: At least three years or the equivalent
- Education: High school diploma or composite GED score of at least 2250
- Interview: Successful completion of a meeting with an academic coach (this can be done over the phone or on campus)
- Grade Point Average: Minimum transfer cumulative GPA of 2.5 (unless qualified for conditional admittance)
- Transcripts: Official transcripts from all institutions attended

Admission Procedures

Step 1 — Complete Application

Complete the application for admission online at https://www.slu.edu/apply.php. Applications are accepted and processed on a rolling basis.

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

Step 2 – Request Official Transcripts

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

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

Official transcripts may also be emailed directly to Eric Miller at eric.miller@slu.edu.

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 Academic Coach

Contact an academic coach to discuss the status of the application and educational and career goals. Students may schedule an appointment to speak with an academic coach on campus or over the phone/Zoom by calling 314-977-2330 or emailing sps@slu.edu.

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, Veterans, and First Responders

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:

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)


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)


Requirements

<table>
<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>
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<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>
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<tr>
<td>ASCI 1300</td>
<td>Aviation Weather</td>
<td>3</td>
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<tr>
<td>MATH 1205</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>MATH 1325</td>
<td>Survey of Calculus</td>
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</tr>
<tr>
<td>ORLD 1800</td>
<td>Organizational Behavior, Work, and Wellbeing</td>
<td>3</td>
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<tr>
<td>ORLD 2000</td>
<td>Organizational Foundations: Business Essentials</td>
<td>3</td>
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<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>
</tr>
<tr>
<td>ORLD 2700</td>
<td>Human Resources and Personnel Management</td>
<td>3</td>
</tr>
<tr>
<td>Any Cultural Diversity elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEO 1005</td>
<td>Theological Foundations</td>
<td>3</td>
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</table>

PHYS 1350 | Aviation Physics | 4 |

Any Literature course | | |

Aviation Science Courses

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>ASCI 1010</td>
<td>Professional Orientation</td>
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<td>ASCI 1850</td>
<td>Safety Management Systems</td>
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<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>ORLD 3300</td>
<td>Organizational Behavior and Team Effectiveness</td>
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<tr>
<td>ASCI 4450</td>
<td>Aviation Law</td>
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Aviation Management Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ASCI 1510</td>
<td>The Air Transportation System</td>
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</tr>
<tr>
<td>ASCI 2250</td>
<td>Aviation and Airport Security</td>
<td>3</td>
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<tr>
<td>ASCI 2750</td>
<td>Accident Investigation</td>
<td>3</td>
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<tr>
<td>ASCI 3050</td>
<td>Operations &amp; Business Environment of Aviation</td>
<td>3</td>
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<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>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<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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Internship Experience

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<th>Course</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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<tbody>
<tr>
<td>Year One</td>
<td>Title</td>
<td>Credits</td>
</tr>
<tr>
<td>Fall</td>
<td>!ASCI 1010</td>
<td>Professional Orientation</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>or ENGL 1505</td>
<td>or The Process of Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 1205</td>
<td>or College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>
### Year One

**Fall**
- **PHIL 1050 or PHIL 1055**: Introduction to Philosophy: Self and Reality or Intro to Phil: Self & Reality
  - Credits: 3

**Spring**
- **UNIV 1010 or PST 1000**: Enhancing First-Year Success or Learning Strategies and Processes
  - Credits: 1
- **ASCI 1510**: The Air Transportation System
  - Credits: 3
- **ENGL 1900 or ENGL 2005**: Advanced Strategies Of Rhetoric and Research or Writing & Research Methods
  - Credits: 3
- **MATH 1320 or MATH 1325**: Survey of Calculus or Survey of Calculus
  - Credits: 3
- **PHIL 2050 or PHIL 2055**: Ethics or Ethics
  - Credits: 3

Total Credits: 15

### Year Two

**Fall**
- **ASC1 2250**: Aviation and Airport Security
  - Credits: 3
- **ECON 1900 or PST 1900**: Principles of Economics or Survey of Economics
  - Credits: 3
- **PHYS 1350**: Aviation Physics (or Science Course with Laboratory)
  - Credits: 4
- **PSY 1010 or PSYK 1010**: General Psychology or General Psychology
  - Credits: 3
- **THEO 1000 or THEO 1005**: Theological Foundations or Theological Foundations
  - Credits: 3

Total Credits: 15

**Spring**
- **ASC1 2750**: Accident Investigation
  - Credits: 3
- **CMM 1200 or CMMK 1210**: Public Speaking or Public Speaking in Org. Life
  - Credits: 3
- **ENGL 2xxx**: Any 2000-level or higher English course
  - Credits: 3
- **ITM 2000 or CIS 1300**: Information Technology with Supply Chains or Information Systems and Technology
  - Credits: 3
- **Elective or Approved Emphasis Area**: Approved Emphasis Area
  - Credits: 3

Total Credits: 16

### Year Three

**Fall**
- **ASC1 3050**: Operations & Business Environment of Aviation
  - Credits: 3
- **ASC1 4050**: Human Factors
  - Credits: 3
- **MGT 3000 or OSTD 3005**: Management Theory and Practice or Organizational Foundations
  - Credits: 3
- **OPM 2070 or CIS 2850**: Introduction to Business Statistics or Principles of Data Analysis
  - Credits: 3
- **Elective or Approved Emphasis Area**: Approved Emphasis Area
  - Credits: 3

Total Credits: 15

**Spring**
- **ASC1 3100**: Air Carrier Operations
  - Credits: 3
- **ASC1 4915**: Internship with Industry
  - Credits: 3

Total Credits: 15

### Year Four

**Fall**
- **ASC1 4350 or OSTD 3305**: Team Resource Management or Team Dynamics
  - Credits: 3
- **ASC1 4650**: Econ of Air Transportation
  - Credits: 3
- **ASC1 4800**: International Aviation
  - Credits: 3
- **ASC1 4900**: Senior Seminar
  - Credits: 3
- **Elective or Approved Emphasis Area**: Cultural Diversity
  - Credits: 3

Total Credits: 15

**Spring**
- **ASC1 4250**: Prof Ethics and Standards
  - Credits: 3
- **ASC1 4450**: Aviation Law
  - Credits: 3
- **ENGL 4000 or ENGL 4005**: Business and Professional Writing or Business and Professional Writing
  - Credits: 3
- **OPM 3050 or OSTD 3205**: Introduction to Management Science and Operations Management or Interpersonal Relations in Org
  - Credits: 3
- **Elective or Approved Emphasis Area**: Approved Emphasis Area
  - Credits: 3

Total Credits: 15

### Contact Us

For additional admission questions please call (314) 526-2825 or email sps@slu.edu.