

BACHELOR OF SCIENCE/ASSOCIATE OF SCIENCE IN AVIATION FLIGHT MANAGEMENT

COMMITMENT TO QUALITY

Lewis University's commitment to quality aviation programs began in 1932 when aviation studies first were offered. Today, Lewis is an acknowledged leader in aviation education, preparing graduates who are serving aviation and aviation-related industries on a worldwide basis. Students come to Lewis from across the United States and abroad.

American aviation currently faces historic challenges and projected growing employment opportunities. The historic challenges stem from the dramatic growth since deregulation in 1978. For example, air traffic increased from 247 million passengers to over 600 million in 1997, with a growth to 1 billion expected by 2012.

OUTSTANDING LOCATION AND STATE-OF-THE-ART FACILITIES

Students majoring in flight usually begin to fly during their first semester. Our flight office, planes, simulators, and related facilities are located on the Lewis University campus, within walking distance of the Lewis University Airport.

The Harold E. White Aviation Center, including a \$2 million high-tech flight complex, is one of the most modern aviation education centers in the Midwest. The facility includes a flight simulator room, a computer laboratory, and a dispatch center, as well as classrooms.

Lewis' proximity to Chicago's main airports (O'Hare and Midway) and to major and regional airlines provides opportunities for student internships and practicums.

Tomorrow's leaders in the aviation community will need the flexibility and competence associated with a liberal arts education and the specialized expertise necessary to meet the demands of a rapidly changing world where aviation will play an increasingly significant role. Lewis' aviation graduates will be among the leaders who will shape the future of aviation in the twenty-first century.

A FUTURE IN FLYING AWAITS FLIGHT MANAGEMENT MAJORS

Lewis' Aviation Flight Management program is designed for students who want to become professional pilots. Upon completion of the program, students are eligible to take the written, oral and practical examinations required by the Federal Aviation Administration (FAA) for pilot licenses and ratings.

Lewis' program concentrates on flying; it is designed to prepare professional pilots with a background in aerodynamics, propulsion systems, aircraft systems, and aircraft performance.

By graduation, students can acquire the Flight Instructor's certificate with airplane, instrument, and multi-engine ratings. Graduates are qualified to work for the FAA as an aviation safety inspector (with some experience), or as a professional pilot or a flight operations manager, and in many other aviation-related positions.

In addition to the usual extracurricular activities, flight majors may also participate as members of Lewis' highly competitive Flight Team, or become members of the American Association of Airport Executives (AAAE).

CONTACT

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BACHELOR OF SCIENCE/ AVIATION FLIGHT MANAGEMENT

The Bachelor of Science in Aviation Flight Management prepares the student for a career as a professional pilot. Upon graduation, the successful student will have a minimum of 128 semester hours of coursework and will hold the following FAA certificates and ratings: Commercial Pilot Certificate—Airplane Single and Multi-engine Land with Instrument Airplane rating; Flight Instructor Certificate—Airplane Single-engine Land, with Instrument Airplane rating. Optional certificates and ratings include Flight Instructor Certificate—Multi-engine Land; and Ground Instructor Certificate—Advanced and Instrument.

After matriculation at Lewis University, students are required to do all their flight training at Lewis. For all flight majors, including those who have completed FAA Certificates or Ratings prior to matriculation, the Bachelor of Science in Aviation Flight Management is awarded only to those students who have successfully completed a minimum of two upper-division flight labs at Lewis University.

Total Credit Hours: 128
Major Credit Hours: 83

I. Core Courses (74)

- 47-102 Introduction to Aviation (1)
- 47-130 Private Pilot Ground I (3)
- 47-131 Private Pilot Ground II (3)
- 47-132 Private Pilot Flight Lab (2)
- 47-203 Visual Aircraft Recognition (1)
- 47-204 Aviation Regulations (3)
- 47-231 Instrument Pilot Ground School (4)
- 47-232 Instrument Pilot Flight Lab (2)
- 47-250 Aviation Meteorology I (3)
- 47-252 Aviation Meteorology II (3)
- 47-263 Aircraft Maintenance for Pilots (3)
- 47-305 Crew Resource Management (3)
- 47-313 Air Traffic Control Systems (3)
- 47-320 Advanced Aircraft Systems (3)
- 47-321 Aviation Legislation (3)
- 47-331 Commercial Pilot Ground School (3)
- 47-332 Commercial Pilot Flight Lab (2)
- 47-353 Air Transportation (3)
- 47-373 Aviation Safety (3)
- 47-407 Fundamentals of Instruction (2)
- 47-408 Flight Instructor Airplane (CFI-A)
Ground School (2)
- 47-409 Flight Instructor Airplane (CFI-A) Flight Lab (1)*
- 47-420 Flight Instructor Instrument (CFI-I) Ground (2)
- 47-421 Flight Instructor Instrument (CFI-I) Flight Lab (1)*
- 47-460 Multi-Engine (MEL) Ground School (2)
- 47-461 Multi-Engine (MEL) Flight Lab (1)
- 47-463 Aircraft Accident Investigation (3)
- 47-473 Flight Engineer I (3)
Aviation Electives (6)

**With permission, course 47-475 Aircraft Familiarization (3) can be substituted.*

II. Management Courses (9)

- 61-200 Principles of Management (3)
- 61-360 Human Resource Management (3)
- 61-380 Supervisory Management (3)

III. General Education Courses** (45)

The following general education requirements are listed and satisfied under the core curriculum:

- The two science requirements are met by Aviation Meteorology I (47-250) and Aviation Meteorology II (47-252).
- The college experience requirement is met by Introduction to Aviation (46 / 47-102).
- The advanced writing requirement is met by successful completion of Aviation Legislation (47-321) and Aircraft Accident Investigation (47-463).

***For details on additional required General Education courses, see the General Information section of this catalog.*

ASSOCIATE OF SCIENCE/ AVIATION FLIGHT MANAGEMENT

The Associate of Science Degree program prepares the graduate for a career in the field of aviation flight by including all the courses and labs necessary for the following FAA flight certificates and ratings: Commercial Pilot Certificate – Airplane Single- and Multi-engine Land with an Instrument Airplane rating. This degree includes a number of courses that are intended to give the student additional background in management, science, and written and oral expression.

After matriculation at Lewis University, students are required to do all their flight training at Lewis.

For all flight associates, including those who have completed FAA Certificates or Ratings prior to matriculation, the Associate Degree in Aviation Flight Management is awarded only to those students who have successfully completed a minimum of two upper division flight labs (47-332 and 47-461) at Lewis University.

Total Credit Hours: 79
Major Credit Hours: 39

I. Core Courses (33)

- 47-102 Introduction to Aviation (1)
- 47-130 Private Pilot Ground I (3)
- 47-131 Private Pilot Ground II (3)
- 47-132 Private Pilot Flight Lab (2)
- 47-203 Visual Aircraft Recognition (1)
- 47-231 Instrument Pilot Ground School (4)
- 47-232 Instrument Pilot Flight Lab (2)
- 47-250 Aviation Meteorology I (3)
- 47-252 Aviation Meteorology II (3)
- 47-331 Commercial Pilot Ground School (3)
- 47-332 Commercial Pilot Flight Lab (2)
- 47-460 Multi-Engine (MEL) Ground School (2)
- 47-461 Multi-Engine (MEL) Flight Lab (1)
- 47-xxx Aviation elective (3)

II. Management Courses (6)

- 61-200 Principles of Management (3)
- 61-360 Human Resource Management (3)

III. General Education Courses* (36)

- 04-xxx Economics elective (3)
- 06-111 College Writing I (3)
- 06-112 College Writing II (3)

- 10-112 Introduction to Human Communication (3)
- 15-110 Introduction to Philosophy (3)
- 20-290 Cultural Diversity and Intergroup Relations (3)
- 19-310 Christian Action and Values (3)
OR
- 15-330 Ethics (Action and Values) (3)
- 09-101 Culture and Civilization I (3)
Fine Arts Elective (3)
- 19-100 The Search for Faith (3)
OR
- 19-106 Introduction to Christian Theology (3)
Math requirement (3)
Social Science requirement (3)

**For more details on general Ed Courses, see the General Education section of this catalog.*

AVIATION FLIGHT MANAGEMENT / MINOR

This minor is open to non-flight majors. Upon completion, the successful student will hold the FAA Commercial Pilot Certificate for Airplane Single-Engine Land and Instrument rating.

After matriculation at Lewis University, students are required to do all their flight training at Lewis. Students must complete the two upper-division courses at Lewis University.

For all flight minors, including those who have completed FAA Certificates or Ratings prior to matriculation, the minor in Aviation Flight Management is awarded only to those students who have successfully completed 47-331 and 47-332 at Lewis University.

Minor Credit Hours: 25

Required Courses (25)

- 47-130 Private Pilot Ground I (3)
- 47-131 Private Pilot Ground II (3)
- 47-132 Private Pilot Flight Lab (2)
- 47-231 Instrument Pilot Ground School (4)
- 47-232 Instrument Pilot Flight Lab (2)
- 47-250 Aviation Meteorology I (3)
- 47-252 Aviation Meteorology II (3)
- 47-331 Commercial Pilot Ground School (3)
- 47-332 Commercial Pilot Flight Lab (2)

AIRCRAFT DISPATCH / MINOR

This minor is open to all majors. While the student may complete the requirements for the minor, obtaining the FAA Aircraft Flight Dispatcher Certificate is the student's responsibility to pursue.

Minor Credit Hours: 31

Required Courses (31)

- 47-130 Private Pilot Ground I (3)
- 47-131 Private Pilot Ground II (3)
- 47-204 Aviation Regulations (3)
- 47-231 Instrument Pilot Ground School (4)
- 47-250 Aviation Meteorology I (3)
- 47-252 Aviation Meteorology II (3)
- 47-313 Air Traffic Control Systems (3)
- 47-331 Commercial Pilot Ground School (3)
- 47-473 Flight Engineer I (3)
- 47-480 Practical Dispatching (3)

AVIATION FLIGHT PROGRAM FAA APPROVED

Lewis University Flight program is approved by the Federal Aviation Administration (FAA), under Title 14 of the Code of Federal Regulations, Part 141.

** Meets Requirements of 14 CFR 141 of the
Federal Aviation Administration*