

# AVIATION PROGRAMS

# WHERE CAREERS TAKE FLIGHT



**BOEING** forecasts nearly  
**1.5 MILLION**  
**PILOTS & TECHNICIANS**  
needed by 2036.





# AVIATION PROGRAMS

If you're planning to study aviation you go to Chicago. Lewis University programs are

FAA-approved and nationally ranked. **With both O'Hare and Midway International connections, and an airport right on campus, Lewis is the perfect place to study aviation.** Our students are in demand more than ever. Our programs will not only provide you with aviation skills, but with a well-rounded business, management, and liberal arts education.



# AVIATION DEGREES

## UNDERGRADUATE

With active partnerships at both O'Hare and Midway International airports, and our very own regional airport right on-campus, **we provide total immersion into the aviation industry that is simply unmatched by programs in more rural locations.**



### AVIATION FLIGHT

*Tailored to the needs of students who want to become professional pilots.*

- Lewis is a FAR Part 141 flight school that provides instruction from private pilot training through multi-engine.
- Topics range from advanced systems and aerodynamics to crew resource management and glass cockpit training.
- Career opportunities include airline pilot, corporate pilot, FAA inspector, aviation education professional and more.
- Lewis is authorized to certify its graduates for an Airline Transport Pilot (ATP) Certificate with reduced aeronautical experience.



### UNMANNED AIRCRAFT SYSTEMS

*Designed for students interested in piloting and operating Unmanned Aircraft Systems (UAS) for commercial applications.*

- UAS are used for important missions in the public interest, such as firefighting, disaster relief, search and rescue, law enforcement, border patrol, military training and testing and evaluation.
- It is estimated that between 2015 and 2025, the UAS industry will generate \$82 billion in economic impact with more than 100,000 jobs created.



### AIR TRAFFIC CONTROL

*Designed for students interested in working as air traffic controllers.*

- Lewis is one of only 36 FAA Air Traffic Collegiate Training Initiative (CTI) programs in the country and the only program in the state of Illinois.
- Our program provides graduates with fundamental air traffic control knowledge and technical understanding through classroom and laboratory instruction.
- Graduates qualify for entry into the FAA ATC Academy, where training is completed.



### AVIATION ADMINISTRATION

*Prepares students for careers as professional managers in aviation.*

- Students gain a background in both aviation and business administration.
- Career opportunities include management positions in the airline industry, aircraft manufacturing industry, governmental agencies, airport management and others.

[lewisu.edu/aviation](http://lewisu.edu/aviation)

For a complete list of undergraduate majors visit [lewisu.edu/undergraduate](http://lewisu.edu/undergraduate)



## TRANSPORTATION, DISTRIBUTION & LOGISTICS

*Designed to prepare students for careers in administrative and supervisory positions in the transportation industry.*

- Skills are developed to be successful in the aviation, motor freight, railroad, marine, pipeline, and energy distribution industries.
- Topics range from human factors and labor relations to ethics and quality assurance.
- Career opportunities include transportation network analyst, supply chain management, and distribution center manager.



## AVIATION MAINTENANCE

*Designed for students to become licensed Airframe and Powerplant mechanics.*

- This program develops the skills and technical training needed as a maintenance technician combined with the business experience necessary to enter into management positions.
- Four-year bachelor and two-year associate of science degrees are available.



## AVIATION AND AEROSPACE TECHNOLOGY

*Prepares students for careers as professional aviation and aerospace technicians.*

- Students will complete the 1900+ hours for the FAA certificate and rating: Airframe and Powerplant Mechanic.
- Advanced courses in propulsion and avionics offered.



## FAST TRACK OPTION



### BACHELOR'S TO MASTER'S FAST TRACK OPTION

*With just an extra year, qualified undergraduate aviation students can earn an M.S. in Aviation and Transportation.*

- Nine graduate hours may be used both to complete the bachelor's degree and to satisfy specific course requirements for the master's program. Courses are accelerated in 8-week sessions.



## FACULTY

Our world-class staff provides students with unique insights into all facets of the aviation industry. The diversity of their experience presents students with abundant opportunities to broaden their educational horizons. Lewis is committed to maximizing our students' abilities to learn by ensuring that the student-instructor ratio grows no greater than 15:1 in ground courses and 2:1 in flight labs.



## STUDENT ORGANIZATIONS

### ACE CLUB

Sponsored by the Air Line Pilots Association, International, the ACE club provides its members with opportunities to network with current pilots both at Lewis and in the field. 2015-2016 was the introductory year for the ACE Club and they were able to tour the United Airlines Operations Center at the Willis Tower, tour a Boeing 777 at the Chicago Chief Pilot's office at O'Hare, and participate in a Q&A session with the Flight Operations Management Team at United Airlines.

### ALPHA ETA RHO

Alpha Eta Rho is a collegiate fraternity founded to bring together those students having a common interest in all fields of the aviation industry. Alpha Eta Rho, the Greek letters that stand for air, act as middle ground between aviation colleges and the aviation industry.

### LEWIS UNIVERSITY FLIGHT TEAM

The Lewis University Flight team (*pictured above*) ranked 11 out of 63 teams nationally in 2015-2016. Joining the flight team is an excellent way to improve your aviation skills while developing the ability to work in a high energy team environment. Each fall Lewis competes against other regional schools in various ground and flight events including Pre-Flight, Simulator, Area Navigation, Power Off and Power On Landings, Message Drop, E6B, SCAN, Aircraft Recognition and Crew Resource Management.

### AMERICAN ASSOCIATION OF AIRPORT EXECUTIVES (AAAE)

AAAE is a student-led organization whose focus is to develop knowledge of the aviation industry and to encourage professionalism in an effort to produce effective managers. Each semester members participate in air traffic control facilities tours, airport tours, and learn from guest speakers involved in airport management and the FAA.

### ORGANIZATION OF BLACK AEROSPACE PROFESSIONALS (OBAP)

OBAP is a nonprofit organization dedicated to the encouragement and advancement of minorities in all aviation and aerospace careers. Members encourage diversity in the industry by supporting aspiring aviation professionals through mentoring, scholarships, training and youth-focused education programs through Project Aerospace.

### WOMEN IN AVIATION

Women in Aviation is a nonprofit organization dedicated to the encouragement and advancement of women in all aviation career fields and interests. Members have the opportunity to learn from guest speakers involved in every aspect of aviation as well as attend seminars on crew resource management, internships, scholarships, professionalism, resumé building, interview preparation and much more. Additionally, each year members attend an international conference and have the opportunity to network with pilots from around the world.



# JOBS FORECAST

Boeing released its **2017 Pilot and Technician Outlook\*** and projects a

**“demand for nearly 1.5 million pilots and technicians by 2036”**

## AIRCRAFT FLEET

Lewis University’s fleet consists of Cessna 172s and 182RGs and Piper Arrow and Seminoles. More than half of the 172s are equipped with glass cockpits ensuring that our students are exposed to both traditional flight instruments as well as advanced avionics.

We supplement our flight training by utilizing Frasca and Redbird Flight Simulators designed to accelerate the learning process and increase situational awareness.



\*SOURCE: <http://www.boeing.com/commercial/market/pilot-technician-outlook/index.page#/pilot-technician-outlook>



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ONE UNIVERSITY PARKWAY  
ROMEOVILLE, IL 60446-9935





## UPCOMING EVENTS

**COLUMBUS DAY  
SHADOW DAY  
OCTOBER 9, 2017**

**AVIATION CAREER  
CONFERENCE  
NOVEMBER 18, 2017**

**PRESIDENT'S DAY  
SHADOW DAY  
FEBRUARY 19, 2018**

**TUSKEGEE NEXT  
WORKSHOP  
APRIL 7, 2018**

## CAMPUS VISIT DAYS

- Take a campus tour with a current student
- Learn about scholarship opportunities and financing of your education

**OCTOBER 21, 2017**

**NOVEMBER 11, 2017**

**DECEMBER 2, 2017**

**APRIL 21, 2018**

RSVP: [lewisu.edu/visit](http://lewisu.edu/visit)

For more information, contact Chris Stevens at **(815) 836-5920**, or [aviation@lewisu.edu](mailto:aviation@lewisu.edu)

Yes, please send me more information about **LEWIS!**

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Required E-Mail \_\_\_\_\_

Date of Birth \_\_\_\_\_ Telephone ( ) \_\_\_\_\_

High School/College Attending \_\_\_\_\_

Year of High School/College Graduation \_\_\_\_\_

Expected Year of Enrollment:  Fall  Spring Year \_\_\_\_\_

**Possible area of study** (check all that apply)

### UNDERGRADUATE PROGRAMS

- |   |   |
|---|---|
| <input type="checkbox"/> Aviation Flight                          | <input type="checkbox"/> Aviation Maintenance                     |
| <input type="checkbox"/> Unmanned Aircraft Systems                | <input type="checkbox"/> Aviation and Aerospace Technology        |
| <input type="checkbox"/> Air Traffic Control                      | <input type="checkbox"/> Bachelor's to Master's Fast Track option |
| <input type="checkbox"/> Aviation Administration                  | <input type="checkbox"/> Other _____                              |
| <input type="checkbox"/> Transportation, Distribution & Logistics |   |

### GRADUATE PROGRAM

- Aviation and Transportation (M.S.)



*A Catholic and Lasallian University*

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[lewisu.edu/aviation](http://lewisu.edu/aviation)



## LEWIS AVIATION HIGHLIGHTS

- FAA Part 141 Curriculum
- R-ATP Approved
- On-Campus Airport
- 25 Aircraft, including glass cockpit
- 25 Quadcopters
- AT-CTI Approved
- The Lewis University Flight team ranked 11 nationally in 2016-2017.
- Lewis is the only FAA Air Traffic Collegiate Training Initiative (CTI) program in the state of Illinois.