

AVIATION

College Vision Statement

Mission/Vision

The mission of the Aviation Institute is to:

- provide an environment where students are supported and challenged as they develop the skills, knowledge, and experiences that prepare them for personally and professionally rewarding careers in aviation and transportation;
- conduct research that enhances the safety, security, efficiency, reliability, and sustainability of aviation and transportation services, and improves mobility and quality of life for the citizens of the State of Nebraska;
- engage the community through partnerships and other collaborative initiatives that improve the lives of the citizens of the State of Nebraska and others through innovative education, training, research, and service projects; and
- maintain the highest standards of integrity and transparency in the conduct of the Institute's business and the management and stewardship of its resources.

Accreditation Information

One of the concentrations in the Bachelor of Science in Aviation, the Air Transport Administration Specialization, is accredited by the Aviation Accreditation Board, International

General Information

Maximum/Minimum Credits

Students are required to complete a minimum of 120 credit hours to complete a Bachelor of Science in Aviation.

Residency Requirement

Default to College

Transfer Credit Policy

See the Academic Advisor

Unacceptable Credits

See the Academic Advisor

Dean's List

Default to College

Honors

Default to College

Quality of Work

For purposes of meeting general education requirements, distribution requirements, and prerequisite requirements for courses, a grade of "C-" performs the role of a grade of "C", and a grade of "D-" performs the role of a grade of "D". A minimum grade of "C" (2.0) must be earned in each of the required courses within the major area of study.

Completion of Incomplete Grade

Students who receive instructor permission to take an incomplete must have the incomplete resolved the following semester or the incomplete changes to withdraw. If a student has a question in regard to this policy, they should see their academic adviser for clarification

Repeating Courses

n/a

Grade Appeal Policy

Default to College

Probation/Suspension

Default to College

Academic Amnesty

Default to College

Academic Advising

The Aviation Institute offers both academic and career advising to students. The academic advisor is available to assist students in meeting their career requirements and to interpret Institute and University policies regarding academic requirements. Students are encouraged to contact their advisor whenever questions arise concerning their academic program. As a minimum, students should see an advisor before registering for the next semester and review their academic progress, when choosing an area of specialty, and prior to registering for their senior year. The Aviation Institute faculty are also available to discuss career planning, opportunities, and advising. The faculty have a strong connection to the aviation industry and students are encouraged to use the faculty as a resource in determining their career goals. Students are encouraged to make an appointment as a freshman or sophomore with the Aviation Institute faculty to discuss their career path. For more information or to setup and appointment contact the Aviation Institute.

Senior Check

See your Academic Advisor

Application for Degree

Students apply for graduation through MavLINK.

Scholarship and Internship Opportunities

There are several scholarship and internship opportunities available to students within the Aviation Institute. Scholarships for current UNOAI students are awarded annually through an application process. The applications for these scholarships are available in November and are awarded at the Aviation Institute's annual honors convocation in April. Close partnerships with a number of Omaha metro organizations allow for several internship opportunities to current Aviation Institute students each semester. To apply for an internship, students must contact the internship coordinator, CPACS 120. A list of all UNOAI scholarships and internships can be found on the Aviation Institute Website (<https://www.unomaha.edu/college-of-public-affairs-and-community-service/aviation/academics/>).

Advanced Simulation Facility

Flight students will use the Advanced Simulation Facility on a regular basis. Simulator fees are built into their student fees and are paid directly to the University of Nebraska at Omaha. The amount of time a student spends in the simulator will vary per semester depending on the flight lab requirements. Students will need to work with the Flight Training Coordinator to provide all necessary TSA documentation in order to use the flight simulators. The Aviation Institute currently has three Redbird MCX Simulators, one motion, two non-motion and a Boeing 737-800 NG FTD.

Aviation Resource Center

The Aviation Resource Center is available to all Aviation students. In the Aviation Resource Center, students can utilize the many resources offered to help them achieve academic success. Resources available are: computers

for research, testing, and personal use, printing services, FAA Practical Test Study Guides, Gleim Test Prep Software, Jeppesen Study Materials, King CD-Rom Study Courses, free use of PC-ATD simulator, Current Trade Magazines and Publications, Complete AOPA Air Facts DVD Series, Sporty's Training DVDs, ASA Study Guides, complete collections of Jeppesen Training Videos, current copies of FAA's FAR/AIM, tutoring, various aviation related referencing textbooks, ASA-JSCH PP2 headsets, Garmin 396, and a Garmin 295.

In addition, the Aviation Resource Center is a certified FAA Testing Center, where students can take FAA Practical Exams.

Financial Aid

Students should apply for financial aid as directed by the Office of Financial Support and Scholarships and at the beginning of each calendar year thereafter. Priority is given to applicants who apply early. Additional financial aid may be available to qualified students to pay for the added cost of flight training. See the Aviation Institute academic advisor for information regarding additional financial aid for flight training. Flight training is optional and not required for students working toward the Air Transport Administration or Unmanned Aircraft Systems concentrations.

Language Fluency

International and other students enrolling in the Aviation Institute for whom English is not their primary language will be required to be sufficiently fluent in English as a second language. This requirement is particularly critical for successfully completing the flight training portion of the Institute's curriculum.

Program Contact Information

402.554.3424

unoaviation@unomaha.edu

Program Website (<https://www.unomaha.edu/college-of-public-affairs-and-community-service/aviation/academics/>)

Admission Requirements

Incoming students who are not considered transfer students are guaranteed admission to the Bachelor of Science in Aviation program upon admission to the University of Nebraska at Omaha. Transfer students who want to complete the Bachelor of Science in Aviation Program must have a cumulative GPA of 2.5 to be accepted into the College of Public Affairs and Community Service. Current UNO students accepted for admission to any of the University's colleges may enroll in the Institute's aviation courses for elective credit.

Degrees Offered

- Aviation, Bachelor of Science (<http://catalog.unomaha.edu/undergraduate/college-public-affairs-community-service/aviation-department/aviation-bs/>)

Overview of Degree Programs

Air Transport Administration Concentration

The Air Transport Administration area of concentration is conferred under the Bachelor of Science in Aviation degree program. This option is oriented toward the public/private sector interface of individuals looking for administration careers. Potential career opportunities exist within the Federal Aviation Administration, Transportation Security Administration, National Transportation Safety Board, state aviation organizations, local and regional aviation organizations, airport administration, fixed-based operators, aviation consulting firms, airline operations, flight department

operations, aircraft manufacturing companies, aviation marketing firms, and non-profit organizations such as Aircraft Owners and Pilot Association, National Business Aviation Association, and the Experimental Aircraft Association. The Air Transport Administration specialization gives the student the opportunity to gain knowledge in several aspects of the aviation and aerospace industry. Students will take specific classes in areas of general aviation, airport planning, statistical analysis, security, and airline operations. Students will also have the opportunity to become involved in an internship or cooperative education experience. This experience will expose students to working in an area that relates to their potential career path; both local and national programs are available. Students who are looking to work in these highly competitive and regulated areas should choose the Air Transport Administration specialization program for their course of study.

Professional Flight Concentration

The Aviation Institute offers flight training from private pilot to certified flight instructor. Flight training is closely coordinated through local flight schools. Students who successfully complete any of the training under UNO requirements courses will receive appropriate academic credit. The Aviation Institute's Professional Flight curriculum is approved by the FAA to grant the Restricted Airline Transport Pilot (R-ATP) authorization to graduates. With the R-ATP, a pilot can be hired by a FAA Part 121 scheduled airline at age 21 with 1,000 flight hours versus at age 23 and 1,500 flight hours. Students who plan on enrollment in a flight training course should be able to successfully complete a first class aviation medical examination conducted by an FAA designated Aviation Medical Examiner accordance with Federal Aviation Regulation Part 67, *Medical Standards and Certification*. **Flight costs are paid directly to the flight provider where you conduct your training and are in addition to regular University tuition and fees.** Approximate costs for flight training are available in the Aviation Student Handbook. Costs for each training phase are based on the average number of hours required by the FAA for that particular phase. If a student requires additional flying or ground training to complete a particular training phase course, the student will be obligated to pay for the extra training. Additional financial aid is available for flight training, but does not cover 100% of flight training costs.

Flight training schedules are arranged by the student and flight instructor at each flight center. Students are responsible for contacting the flight training provider and establishing a schedule that will allow for completion of course requirements within the time allowed. It is suggested that students plan to fly three times a week. Instructors are available day, night, and weekends. For a current list of flight providers, see the Aviation Institute Web site at ai.unomaha.edu (<http://ai.unomaha.edu/>). Consult with an aviation academic adviser for additional information.

Uncrewed Aircraft Systems Operations Concentration

The Uncrewed Aircraft Systems Operations area of concentration is conferred under the Bachelor of Science in Aviation degree program. This concentration will prepare a student for a career in operating uncrewed aircraft as well as management and operations of a company or organization that utilizes uncrewed aircraft.

Minors

- Minor in Aviation (<http://catalog.unomaha.edu/undergraduate/college-public-affairs-community-service/aviation-department/minor-aviation/>)
- Uncrewed Aircraft System (UAS) Drone Technology (<http://catalog.unomaha.edu/undergraduate/college-public-affairs-community-service/aviation-department/uncrewed-aircraft-minor/>)

Bachelor of Science in Aviation-Air Transport Administration Concentration

The Bachelor of Science in Aviation-Air Transport Administration prepares students for careers in airport administration, corporate and general aviation, operations management, airline operations, consulting and federal government opportunities.

Career Opportunities

- Airline Management
- Airline Operations
- Airport Management
- Airport Operations
- Airport Planning
- Government (FAA, TSA, NTSB)
- Corporate Aviation Management
- Client Services
- Fleet Planning
- Safety & Security
- Aircraft Sales/Aviation Parts & Avionics Sales
- FBO Operations
- FBO Management

Bachelor of Science in Aviation-Professional Flight Specialization

The Bachelor of Science in Aviation-Professional Flight is designed for students interested in becoming a professional pilot. The program will prepare the student with a comprehensive general education program, aviation core of classes and take them through their Private, Instrument, Commercial, Certified Flight Instructor and Multi Engine Ratings. Graduates of this program will qualify for the Restricted Airline Transport Pilot program through the FAA.

Career Opportunities

- Airline Pilot
- Corporate Pilot
- Cargo Pilot
- Charter Pilot
- Certified Flight Instructor

Bachelor of Science in Aviation-Uncrewed Aircraft Systems Operations Specialization

The Bachelor of Science in Aviation-Uncrewed Aircraft Systems Operations is designed for students who would like to build a career in the new and developing world of UAS Operations. Courses will include a comprehensive general education curriculum, aviation core classes and concentrated areas in uncrewed aircrafts. Students will not only focus on flying uncrewed aircraft, but also developing the skills to manage a full operation and learn to utilize the data and imagery collected.

Career Opportunities

- Drone Operator
- Agriculture
- Aerial Systems Logistics
- Emergency Management
- Photography/Videography

- Transportation Industry (Aviation, Rail, etc.)
- Real Estate