

September 2024

# AVIATION

## prospective packet

COLLEGIATE ADVANTAGE

STUDENT LIFE

COSTS & EXPENSES

HELPFUL LINKS

SCHOLARSHIPS

ADMISSION REQUIREMENTS

FLIGHT COURSES

FAA MEDICAL CERTIFICATION

UND WELLNESS

NEXT STEPS

5 MUST HAVES FOR MOVING TO UND



# COLLEGIATE ADVANTAGE



## AVIATION SAFETY

The first and only collegiate program to achieve the highest level of Safety Management Systems (SMS) compliance.

### Annette Klosterman Safety & Data Analytics Lab

Using state of the art technology students use data to answer real-world flight safety questions.



## AEROSPACE PHYSIOLOGY

Experience the physiological effects of high-altitude flight in a hypobaric altitude chamber and spatial disorientation in a fixed wing & helo GAT III trainer.



## JET SIMULATORS

Complete a jet transition simulator course in one of UND's state-of-the-art airliner simulators. Get real-world experience with crew resource management, checklist and flow procedures, and the fast-paced flight deck environment.



## VIRTUAL REALITY (VR) LAB

UND offers VR training devices with customized software that closely simulates the Piper Archer. An immersive virtual environment and 360° view, combined with realistic hands-on flight control hardware, create an engaging flight simulation experience that allows for training opportunities.



# STUDENT LIFE



## AEROSPACE LEARNING CENTER

Free tutoring for undergraduate students in Aviation and Atmospheric Science courses provided by current Certified Flight Instructors and Teaching Assistants.



## STUDENT ORGANIZATIONS

UND Aerospace has four competitive flying teams which include the UND Flying Team, UND Aerobatics Team, the Air Race Classic Team, and UND Drone Racing Team.

In addition to the flying teams, UND features over 250 different student organizations, these include numerous Aerospace student organizations. No matter your interest, there is something for everyone.



Air Race Classic Team



## CAMPUS & COMMUNITY EVENTS

Take advantage of the many events on campus, such as Division 1 athletics, intramural sports teams, music concerts, theatre productions, and much more.

### UND Learning Services

UND offers learning services to help students successfully transition from high school to college courses. These services include; Academic Coaching, Writing Center, TRIO, and Disability Student Services.

### UND Career Services

UND provides guidance to keep you moving along your career path, from choosing a major to resume building and interview preparation. Career fairs at UND help you find internships and other professional opportunities.

# COSTS & EXPENSES

## PROJECTED AVIATION PROGRAM COSTS

The University of North Dakota Aerospace offers two aviation degree programs with a total of six academic majors. Each has its own flight course requirements, which affect the cost of the degree program.

Effective 8/16/2024

**\*\*Flight Costs**

### BACHELOR OF SCIENCE IN AERONAUTICS

#### Air Traffic Management (ATM)

No flight option (Includes ATM Lab Fees)	\$10,250
Private Pilot Certificate / ATM Simulator (Includes ATM Lab Fees)	\$30,028
Private Pilot Certificate – Helicopter / ATM Simulator (Includes ATM Lab Fees)	\$44,720

#### Commercial Aviation – Airplane

Private / Commercial / Instrument / Multi Engine / CFI / CFII / Intro to ATM / Altitude Chamber / Jet Transition / GATT	\$93,849
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#### Commercial Aviation – Helicopter

Private / Commercial / Instrument / Intro to ATM / Altitude Chamber / GATT	\$93,790
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#### Unmanned Aircraft Systems Operations – Medium/High Altitude Long Endurance

Airplane – Private, Instrument & Commercial Intro to ATM / UAS Certification / Survey of UAS Operations / UAS Operations	\$78,178
Helicopter – Private, Instrument & Commercial / Intro to ATM / UAS Certification / Survey of UAS / UAS Operations	\$108,92

#### Unmanned Aircraft Systems Operations – Low Altitude

Airplane – Private & Instrument / Intro to ATM / UAS Certification / Survey of UAS Operations / sUAS Commercial Ops	\$59,944
Helicopter – Private & Instrument / Intro to ATM / UAS Certification / Survey of UAS Operations / sUAS Commercial Ops	\$91,375

### BACHELOR OF BUSINESS ADMINISTRATION

#### Aviation Management

Flight Track - Private / Commercial / Instrument / Multi Engine / Intro to ATM	\$71,288
Airport Management Track - Private Pilot / Intro to ATM	\$20,453
Air Transportation Track - Intro to ATM	\$675
Dispatch Track - Intro to ATM	\$675

### BACHELOR OF SCIENCE IN ELECTRICAL OR MECHANICAL ENGINEERING

#### Aerospace Focus

Private Pilot Certificate	\$19,778
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\*\*NOTE: Total flight costs are based on averages and are subject to change.



For detailed costs by program please visit:

[aero.und.edu/aviation/student-info/individual-course-training-costs.html](http://aero.und.edu/aviation/student-info/individual-course-training-costs.html)

# HELPFUL LINKS



**CHECK OUT THE UND  
TUITION CALCULATOR**



[UND.edu/admissions/](https://UND.edu/admissions/)

**FOR HOUSING OPTIONS  
AND COST:**



[UND.edu/student-life/housing/](https://UND.edu/student-life/housing/)

**TO LEARN MORE ABOUT IN STATE  
TUITION & ND RESIDENCY**



[UND.edu/one-stop/tuition-fees/](https://UND.edu/one-stop/tuition-fees/)

**ARE YOU A VETERAN OR  
DEPENDENT OF A VETERAN?**



To learn more about your veteran  
benefits reach out to:  
**vets@UND.edu**

# SCHOLARSHIPS

## UND Scholarships

The University of North Dakota awards more than 3,300 academic scholarships totaling nearly \$8.1 million each year. To find out more information about how to apply for these scholarships, as well as specifics about Automatic Academic Scholarships and the Cultural Diversity Scholarship please click on the following QR code to go directly to the main UND Scholarship webpage: [UND.edu/one-stop/financial-aid/scholarships.html](https://UND.edu/one-stop/financial-aid/scholarships.html)



## Applying for UND Scholarships

Students apply for scholarships through Scholarship Central. A link to this site can be found on the main Scholarship website. You must be accepted to UND before you can access and apply for the scholarships listed on Scholarship Central.

Please note that scholarships are subject to change and funding for these awards are limited and not guaranteed.

*\*Scholarship Central opens October 1st, and closes February 1st for Freshman students. Scholarship Central closes March 1 for transfer and current students. Scholarships are then awarded for the next Academic year.*

## UND Aerospace Scholarships

Every year UND Aerospace awards over \$700,000 in scholarships to incoming and current students specifically enrolled in the aviation program. These awards are based on academic merit, student involvement, flight achievement and other attributes as specified by donors.

- Seymour “Si” Robin Foundation Aviation Scholarship, provided by the Seymour “Si” Robin Foundation supports the estimated expenses not exceeding \$130,000 over four years attendance for one student each year (tuition and flight fees).
- James Ray Scholarship, provided by the James Ray Foundation is given annually to eight incoming students valued at \$8,000. To apply for these scholarships make sure to visit UND Scholarship Central





### Flight Costs:

Students are encouraged to have a known source of funding prior to enrolling in any flight training related curriculum. **Flight costs are additional costs and are not included in tuition or fees.** They are determined on an hourly basis for aircraft and flight instruction. The additional flight costs are included in the student's estimated cost of attendance for each semester they are enrolled in a flight course, along with tuition and fees. For information on how to qualify for financial aid see below.

### Apply for Admission

You must be a regularly admitted, degree-seeking student to qualify for financial aid.

### Complete the FAFSA

UND utilizes the Free Application for Federal Student Aid (FAFSA) or Renewal Application as its application for all financial aid. Aid available includes grants, work-study, and loan programs. The FAFSA is available at <https://studentaid.gov/>.

### Awarding Process

The Student Finance Office receives information from the federal processing center and then awards financial aid according to eligibility. All incoming freshman and transfer students will receive a letter to their home regarding the acceptance process. Awards and communication are available through the Campus Connection Portal. For questions on the award process please contact the Aviation Financial Aid Advisor, Elaine Erickson.

### Loan Processing Information

Students that are accepting their Federal Direct Loan need to

complete Entrance Counseling (ELC) and sign a Master Promissory Note (MPN) at <https://studentaid.gov/>. Loan funds are received electronically and will be credited directly to the students' University account. Any funds in excess of the amount owed to the University at the time of disbursement are considered "excess aid" and are released to the students' UND preference selection. Please note that the UND refund selection must be activated regardless of the preference you choose. Options for refund disbursement:

- Vibe Account-This preference establishes a digital-only checking account for the student. This is the fastest way to receive a refund
- Direct deposit (ACH transfer)-This preference transfers the refund to the student's existing bank account. This preference takes approximately 2-3 banking days to credit to the student's bank account.

For additional information on financial aid visit **UND One Stop** [UND.edu/one-stop/financial-aid/loans.html](https://UND.edu/one-stop/financial-aid/loans.html)



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**Elaine Erickson, Financial Aid Advisor**

UND Aviation Student Financial Aid

701.777.4794 | [Elaine.erickson@UND.edu](mailto:Elaine.erickson@UND.edu)

# ADMISSION REQUIREMENTS

## COMMERCIAL AVIATION

Due to unprecedented demand, the application window for the Commercial Aviation degrees will open on **August 1, 2024** and will remain open until all spots are filled.

Apply at: [UND.edu/admissions/apply](https://und.edu/admissions/apply)

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A minimum high school unweighted GPA of a 3.25 is required for consideration into the program.

Fall semester seats in AVIT 102 - Private Pilot Course are on a first come, first serve basis, which is determined by date of deposit.\*

*\*Students who have completed their Private Pilot Certificate will be allowed to enroll in an alternate course.*

### Flight Training Progression

All flight courses must occur in sequence. For example, the Commercial Aviation major has eight sequential terms of required flight training courses. Once a student has enrolled at UND in a flight training curriculum, all subsequent required flight training in the academic major must be completed in residence at UND Flight Operations in Grand Forks.

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### Other Aerospace Program Requirements

A 2.75 minimum GPA is required for admission. Explore all UND Aerospace programs at [aero.und.edu/academics.html](https://aero.und.edu/academics.html)



# FLIGHT COURSES

Program	Certificate / Ratings Earned					
	Private Pilot Certificate	Instrument Rating	Commercial Pilot Certificate	Multi-Engine Rating	Certified Flight Instructor	Certified Flight Instructor Instrument
Commercial Aviation Airplane	✓	✓	✓	✓	✓	✓
Commercial Aviation Helicopter	✓	✓	✓	No	Optional	Optional
Aviation Management <i>Flight Track</i>	✓	✓	✓	✓	●	●
Aviation Management <i>Airport Management Track</i>	✓	●	No	No	No	No
UAS Operations - Medium/High	✓	✓	✓	No	●	●
UAS Operations - Low	✓	✓	No	No	No	No
Air Traffic Management	Optional	No	No	No	No	No

✓ Required Flight Courses

● Not Required - Elective; depending on availability

## Restricted Airline Transport Pilot (R-ATP) Certificate Eligibility

For more information please visit:  
[atp.aero.und.edu](http://atp.aero.und.edu)

## PART 141 Flight Training

Earn your certification and ratings at reduced flight times in a highly-structured training environment with in-house examiners

## Modern Flight Training Fleet

Airplanes, helicopters, and simulators equipped with the latest in Garmin avionics technology

# FAA MEDICAL CERTIFICATION

**An FAA Medical Certificate is required for the following programs; Commercial Aviation, UAS, Air Traffic Management, and Aviation Management programs.**

To obtain an FAA Medical Certificate applicants must successfully complete a physical with an FAA Aviation Medical Examiner (AME).

- UND Student Health Services has on-campus FAA AME's available; to schedule call 701.777.4500.
- Certain conditions may require an FAA Medical Waiver or can be disqualifying. Examples include; diabetes, ADHD, color blindness, depression and others. For more information visit the FAA website.
- Students cannot enroll in UND flight courses without an Aviation Medical Certificate



## UND MEDICAL REQUIREMENTS

Scan with your phone's camera app

[aero.und.edu/aviation/new-students/medical-requirements](https://aero.und.edu/aviation/new-students/medical-requirements)



## FAA MEDICAL CERTIFICATES

Scan with your phone's camera app

[faa.gov/pilots/medical\\_certification](https://faa.gov/pilots/medical_certification)



## UND STUDENT HEALTH SERVICES

Medical appointments

[und.edu/student-life/student-health/aviation-physicals.html](https://und.edu/student-life/student-health/aviation-physicals.html)



# UND WELLNESS

**The University of North Dakota offers a variety of services to our student body to promote overall health and wellness.**

- Wellness Center
  - RecSports
  - Pick Up & Play
  - Esports Nexus
- Health Promotion
  - General Health
  - UND Counseling Center
  - UND Green bandana project
  - UND Aerospace UpLift peer support program
- Student Diversity & Inclusion



# NEXT STEPS

## STEP 1 APPLY TO UND

- Apply online and pay the \$35 nonrefundable application fee up to one year in advance.
- Request your official high school and applicable transcript(s) be sent directly to UND.
- ACT/SAT scores are not required.

[UND.edu/apply](https://und.edu/apply)

## STEP 2 STAY CONNECTED | GET SOCIAL WITH US!

**@UNDAEROSPACE**





# 5 MUST HAVES FOR MOVING TO UND

**Invest in a quality winter coat.** A Full length winter coat also keeps your legs warm.

**Boots:** Make sure your boots are waterproof, lightweight, and warm!

**Mittens or Gloves?** Personal opinion, gloves are warmer.

**Beanie hat:** If you don't have one, you will end up with dozens!

**Laptop & iPad mini:** Taking notes online makes things easy to refer to and saves paper. The iPad Mini fits great in the cockpit!

**Angie Joven** moved to UND  
from Hawaii to fly in weather  
from all 4 seasons!