

# Master of Science in Aviation

## Admission Requirements

The applicant must meet the School of Graduate Studies' current minimum general admission requirements as published in the graduate catalog.

1. Bachelor's degree from an accredited institution with either:
  - a. a major in an aviation related field or
  - b. applicable industry experience as determined by the Department of Aviation
2. Overall undergraduate GPA of 2.75 or a GPA of at least 3.00 for the last two years of undergraduate work.
3. Submit a 2-3 page paper describing your research interests and personal and professional goals you would like to achieve in the M.S. program.
4. Satisfy the School of Graduate Studies' English Language Proficiency requirements as published in the graduate catalog.

## Degree Requirements

1. A minimum of 30 credits including a 4-credit thesis. In the event a thesis is unable to be completed, an independent study option is available by special permission by the Graduate Director. In that case, a minimum of 32 credit hours which includes comprehensive exams and a 2-credit independent study.
2. If the independent study option is approved, comprehensive exams are required prior to beginning the independent study.
3. Must have an overall Grade Point Average (GPA) of 3.0
4. Follow the Graduate Catalog and Graduate Student Handbook, Master's Degree for completion of:
  - a. Program of Study
  - b. Advisor Selection
  - c. Independent Study/Thesis Option
  - d. Topic Proposal

Code	Title	Credits
<b>Required Core Courses</b>		
AVIT 501	General Issues in Aviation/Aerospace	3
AVIT 503	Statistics	3
AVIT 504	Research Methods	3
AVIT 505	Qualitative and Mixed Methods Research Design	3
AVIT 998	Thesis	1-4
AVIT 595	Aviation Capstone	3
<b>Total Credits</b>		<b>16-19</b>

Note: Plus additional elective courses from the Course Catalog.

## Aviation Safety Specialization

The Master of Science program offers an area of specialization in Aviation Safety. In order to receive this specialization:

1. Be fully admitted to the UND School of Graduate Studies and be in good academic standing in the MS-Aviation program;
2. Successfully complete 9 credits of AVIT coursework in the area of Aviation Safety from the course list below. AVIT 590 (Aviation Seminar) courses relevant to Aviation Safety and other relevant UND Graduate Courses may be approved to count towards the Aviation Safety Specialization with permission from the Graduate Director.

3. Code	Title	Credits
<b>Aviation Safety Specialization Course Offerings</b>		
AVIT 512	Aviation Environmental Issues	3
AVIT 513	Aviation Safety Management Systems	3
AVIT 523	Aviation Safety Data Analysis	3
<b>Total Credits</b>		<b>9</b>

## UAS Specialization

The Master of Science program offers an area of specialization in UAS. In order to receive this specialization:

1. Be fully admitted to the UND School of Graduate Studies and be in good academic standing in the MS-Aviation program;
2. Successfully complete 9 credits of AVIT coursework in the area of UAS from the course list below. AVIT 590 (Aviation Seminar) courses relevant to UAS and other relevant UND Graduate Courses may be approved to count towards the UAS Specialization with permission from the Graduate Director.

Code	Title	Credits
<b>UAS Specialization Course Offerings</b>		
AVIT 510	Aviation Public Policy and Regulations	3
AVIT 522	UAS Management	3
AVIT 526	UAS and the Law	3
<b>Total Credits</b>		<b>9</b>

## Aviation Management Specialization

The Master of Science program offers an area of specialization in Aviation Management. In order to receive this specialization:

1. Be fully admitted to the UND School of Graduate Studies and be in good academic standing in the MS-Aviation program;
2. Successfully complete 9 credits of AVIT coursework in the area of Aviation Management from the course list below. AVIT 590 (Aviation Seminar) courses relevant to Aviation Management and other relevant UND Graduate Courses may be approved to count towards the Aviation Management Specialization with permission from the Graduate Director.

3. Code	Title	Credits
<b>Aviation Management Specialization Course Offerings</b>		
AVIT 510	Aviation Public Policy and Regulations	3
AVIT 514	Aviation Management Theory	3
AVIT 517	Airline Labor Relations and Law	3
<b>Total Credits</b>		<b>9</b>

## Human Factors Specialization

The Master of Science program offers an area of specialization in Human Factors. In order to receive this specialization:

1. Be fully admitted to the UND School of Graduate Studies and be in good academic standing in the MS-Aviation program;
2. Successfully complete 9 credits of AVIT coursework in the area of Human Factors from the course list below. AVIT 590 (Aviation Seminar) courses relevant to Human Factors and other relevant UND Graduate Courses may be approved to count towards the Human Factors Specialization with permission from the Graduate Director.

3. Code	Title	Credits
<b>Human Factors Specialization Course Offerings</b>		
AVIT 515	Human Factors and Ergonomics: Human Perceptions in Information Systems Design	3
AVIT 516	Training System Design	3

AVIT 518	Human Error	3
<b>Total Credits</b>		<b>9</b>

## Domestic Air Law Specialization

The Master of Science program offers an area of specialization in Domestic Air Law in collaboration with the UND School of Law. In order to receive this specialization:

1. For School of Law students, the Aviation Law Certificate Program requires successful completion of 9 credits of graduate aviation courses, successful completion of Administrative Law, and successful completion of the J.D. program.

For full-time visiting students at the School of Law, the Aviation Law Certificate Program requires successful completion of 9 credits of graduate aviation courses, along with successful completion of Administrative Law (either at the School of Law during the visiting year or at the student's home school prior to the visiting year).

## Required Courses

Administrative Law (2 credits).

9 credits (or appropriate substitute courses as determined by Department of Aviation):

1. Code	Title	Credits
<b>Domestic Air Law Specialization Course Offerings</b>		
AVIT 510	Aviation Public Policy and Regulations	3
AVIT 517	Airline Labor Relations and Law	3
AVIT 525	Legal Issues in Aviation	3
AVIT 526	UAS and the Law	3