

AVIATION, ASSOCIATE IN APPLIED SCIENCE DEGREE

NMC Code: 920 (Pre Aviation) /562 (Aviation)

Admission Requirements

NMC's Aviation Program has a competitive admissions process. Please see the Competitive Points Rubric for additional details. All students applying to the Aviation program will need to complete an NMC general application by selecting Pre Aviation, NMC Code 920. An additional application is required for the Aviation program. Contact program advisor at aviation@nmc.edu for details.

Complete the admission process for Aviation:

- Review Competitive Points Rubric (<https://catalog.nmc.edu/archives/2021-2022/programs-az/aviation/aviation/#competitivepointsrubric>)
- Complete Aviation application by submitting the following:
 - Birth Certificate or Passport
 - Driver's License or State ID
 - First Class Medical¹
 - Financial Plan
 - Student Information Sheet

Prior to beginning Aviation coursework it is recommended that students complete the following required general education courses. Refer to the Competitive Points Rubric to see how these courses apply to the admissions process.

- ENG 111 English Composition with a 2.0 grade or higher
- Choice of ENG 112 English Composition or ENG 220 Technical Writing or BUS 231 Professional Communications
- MTH 23 Beginning Algebra with a 2.0 grade or higher
- Any Group One Humanities course (<https://catalog.nmc.edu/archives/2021-2022/program-information/group-1-2-courses/>)
- Any Group One Science course with a lab (<https://catalog.nmc.edu/archives/2021-2022/program-information/group-1-2-courses/>)
- Any Group One Social Science course (<https://catalog.nmc.edu/archives/2021-2022/program-information/group-1-2-courses/>)

¹ Before beginning flight training, students must obtain a medical certificate from an FAA-approved medical examiner. Visit www.flightphysical.com (<http://www.flightphysical.com>) or www.faa.gov (<http://www.faa.gov>) for a list of FAA-approved medical examiners. Students must be cleared to fly by the TSA before receiving flight instruction.

Requirements

Major Requirements

Course	Title	Credits
General Education Requirements		
ENG 111	English Composition	4

Select one of the following: 3-4

ENG 112	English Composition	
ENG 220	Technical Writing	
BUS 231	Professional Communications	

Any Group 1 Humanities course 3

Math Competency¹

Any Group 1 Science course with a lab 4

Any Group 1 Social Science course 3

Occupational Specialty Requirements

AVF 111 Private Flight 5

AVF 132 Instrument Flight 4

AVG 101 Private Ground School 5

AVG 161 Mechanics for Pilots 3

or AVG 190 Aviation Weather

AVG 202 Advanced Aircraft Systems 3

AVG 252 Instrument Ground School 4

Directed Electives

Select 23 credits from the list below 23

Total Credits 64-65

¹ Placement into MTH 111 (<https://catalog.nmc.edu/archives/2021-2022/search/?P=MTH%20111>) Intermediate Algebra **or** higher, **or** completion of MTH 23 (<https://catalog.nmc.edu/archives/2021-2022/search/?P=MTH%2023>) Beginning Algebra with a 2.0 or higher. (MTH 23 credits do not toward the total degree requirement credits)

Directed Electives

Course	Title	Credits
AVF 230	Commercial Flight I	2
AVF 232	Commercial Flight II	3
AVF 234	Commercial Flight III	2
AVF 271	Multi-Engine Flight	1
AVF 274	Tailwheel Flight	1
AVF 275	Seaplane Flight	2
AVF 283	Upset Maneuver Training	1
AVF 284	Instrument Flight Instructor	2
AVF 382	Flight Instructor Rating	4
AVG 102	Leadership in Aviation	2
AVG 161	Mechanics for Pilots	3
AVG 190	Aviation Weather	3
AVG 201	International Aviation	3
AVG 204	Airline Aircraft Ground School	3
AVG 231	Aviation Law	3
AVG 240	Corporate Aviation Ground	3
AVG 251	Commercial Ground School	4
AVG 285	Crew Resource Management	3
AVG 381	Instructor Ground School	5
UAS 141	Remote Pilot Flight *	3
UAS 211	Commercial Drone Operations *	3
UAS 220	UAS Projects and Maintenance *	3
UAS 241	Advanced Drone Operations *	3
UAS 255	UAS Safety Management *	2

*Does not count toward requirements of 14 CFR §61.160(c)(1-3). See advisor for details.

Students seeking an AAS Degree in Aviation from NMC shall earn the required aviation credits listed for their degree or a combination of three methods:

1. Aviation courses listed in the NMC catalog;
2. Approved transfer credit;
3. NMC competency testing - maximum of 17 aviation credits may be obtained through competency testing, not including AVF 271 Multi-Engine Flight, AVF 284 Instrument Flight Instructor, AVF 382 Flight Instructor Rating and AVG 381 Instructor Ground School. Testing is allowed only with director's approval.

To obtain the AAS Degree, students must complete a minimum of three flight courses listed in this catalog through the normal process for obtaining credit. All AVF and AVG courses must be completed with a 2.0 grade or higher. Please consult an aviation advisor for scheduling guidelines.

Independent study and specialty courses are also available. Examples: Airline Transport Pilot (ATP), Unmanned Systems, and Advanced Aviation topics.

Before beginning flight training, students must obtain a medical certificate from an FAA-approved doctor. Visit www.flightphysical.com (<http://www.flightphysical.com>) or www.faa.gov (<http://www.faa.gov>) for a list of FAA-approved doctors. Students must be cleared to fly by the TSA before receiving flight instruction.

Course Sequence Guide

Course	Title	Credits
Year 1		
Fall		
AVF 111	Private Flight	5
AVG 101	Private Ground School	5
AVG 102	Leadership in Aviation	2
Credits		12
Spring		
AVF 132	Instrument Flight	4
AVG 190	Aviation Weather	3
AVG 252	Instrument Ground School	4
Select one of the following:		3-4
ENG 112	English Composition	
ENG 220	Technical Writing	
BUS 231	Professional Communications	
Credits		14-15
Summer		
AVF 230	Commercial Flight I	2
AVF 232	Commercial Flight II	3
AVG 251	Commercial Ground School	4
Credits		9
Year 2		
Fall		
AVF 234	Commercial Flight III	2
AVF 271	Multi-Engine Flight	1

AVG 202	Advanced Aircraft Systems	3
Group 1 Social Science course		3
Group 1 Science with Lab		4
Credits		13
Spring		
AVF 382	Flight Instructor Rating	4
AVG 161	Mechanics for Pilots	3
AVG 381	Instructor Ground School	5
Group 1 Humanities course		3
Credits		15
Total Credits		63-64

Estimated Flight Time: 225 hours

Special Notes:

- Flight time varies by student. Flight times listed are expected completion times.
- Students are encouraged to fly during the summer term to ensure program completion on time.
- Students may start the Aviation program in Fall, Spring or Summer semester. This Course Sequence Guide is a general guide for appropriate course selection.
- Contact the Aviation Academic Advisor for more information at 231-995-2911.

Competitive Points Rubric

Criteria	Possible Points	Max Points Possible	Notes
Previous Academic Degree		5	
Bachelor Degree	5		
Associate Degree	3		
Private Pilot License and/or Ground Completed		5	
Private Pilot License	3		
Private Ground 2 Completed			
General Education Credits Earned Toward Aviation Degree		3	
17 Credits	3		
12 Credits	2		
4 Credits	1		
High School GPA		5	
3.5 to 4.0	5		
3.0 to 3.49	4		
2.5 to 2.99	3		
2.0 to 2.49	1		

Other Requirements Completed		
First Class Medical		Verified by Advisor
Financial Plan Signed		Verified by Advisor
Total Maximum Points	18	