AABInternational

Minnesota State University, Mankato	
	College of Education
	Department of Aviation
Oct 1, 2024	**STUDENT ACHIEVEMENT DATA**

Aviation Program Mission Statement

The mission of Minnesota State University's aviation program is to educate students today who will become professionals responsible for the safe and efficient design, management, and operation of the aviation system tomorrow. The program combines all elements of a substantive university education with aviation, flight, and management components to graduate well prepared aviation professionals. Acquisition of airmanship knowledge, skills, and ability while in college develops professionalism, responsibility, self-reliance and marketable skills for early career progression, and provides important experiences which ensure a level of understanding and competency essential to becoming an effective leader in an aviation profession.

Program Educational Goals

To accomplish the above mission, the Aviation Department has established the following Program Educational Goals, which are aligned with MN State University, Mankato's Mission, Vision, and Core Values. The Aviation Department seeks to …

- Graduate students who are competent and well prepared to enter and succeed in the aviation profession.
  - *Assessed via completion of culminating flight labs (Instructor Pilot (CFI/CFII/MEI) - AVIA 364; Commercial Multi-Engine - AVIA 253)*
  - *Assessed via graduate employment data (Related Employment and Restricted ATP Certificates conferred)*
  - *Assessed via the Student Learning Outcome (SLO) assessment process applied to capstone courses (AVIA 450, 451) - see Criterion 3.3*
- Provide a safe academic and flight training experience on campus and at the airport.
  - *Assessed via safety data gathered from campus security and the flight safety office at North Star Aviation (see Criterion 3.8)*
  - *Assessed via student safety/climate surveys*
- Foster an environment where students from all backgrounds feel welcome and included, and to ensure that all students enjoy equal access to educational resources.
  - *Assessed via scheduling data provided by North Star Aviation (i.e. equal access to training resources)*
  - *Assessed via student safety/climate surveys*

Program Student Learning Outcomes

Specific Program Student Learning Outcomes (SLO) provide faculty with a more detailed assessment of the above-stated goals. These SLOs, along with Aviation Accreditation Board International (AABI) General and Core outcomes are applied to required aviation courses, ensuring students receive the necessary education to help them succeed in the profession. Faculty will adjust course content as necessary when outcomes are under-achieved. The MNSU Aviation Program Comprehensive Assessment Plan provides more detail on this assessment process.

Aviation Program Student Learning Outcomes (SLO):

Students graduating from our program are able to …

1. Express oneself clearly in written and oral presentations.
2. Instill the importance of being able to continue training, education, and intellectual development after graduation to remain current on industry trends.
3. Demonstrate the ability to collect information to think critically, make developed decisions, and problem solve.
4. Work collaboratively and effectively as part of a diverse team (crew)
5. Demonstrate a basic understanding of the leadership and managerial skills required to be an effective leader in the aviation industry.
6. Perform basic research, interpret, and analyze the data you develop, and make meaningful presentations based on that research.
7. Demonstrate knowledge, skills, and attributes necessary to be a success in the discipline.

STUDENT ACHIEVEMENT DATA

This Aviation Accreditation Board International (AABI) Form is used to report the following student achievement data:

1. Number of degrees produced/conferred each year, for the last five years
2. The percentage of students enrolled after one year of starting the program
3. The percentage of bachelor students graduating within four years
4. The percentage of bachelor students graduating within six years
5. Employment rate and types within one year of graduation

Degrees Conferred

The Aviation Program offers one undergraduate Bachelorette of Science Degree, with four emphases (majors) - Aeronautics, Aviation Management, Professional Pilot, and Unmanned Aircraft Systems (UAS). The UAS program began in Fall 2023; therefore, no degrees have been conferred as of this report. The following table breaks down degrees conferred by major since Fall 2018:

Degrees Conferred

Program and Concentration	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Aviation - BS	**43**	**45**	**62**	**75**	**105**	**93**
Aeronautics		1	9	2	4	5
Avia: Aviation Management	15	14	19	20	24	15
Avia: Professional Flight	27	30	34	30	77	73
No Concentration	1			23		
Total	**43**	**45**	**62**	**75**	**105**	**93**

Percentage of Students Enrolled after One Year

For Professional Flight students, this number is significant because it demonstrates those students who likely completed the Private Pilot Certificate or started the Instrument Rating. This is a key indicator of student retention (i.e. those who complete their first flight lab tend to stay until graduation.) Our goal is that at least 80% of students entering the program will be retained after one year.

One Year Retention

Program and Concentration	2018-19	2019-20	2020-21	2021-22	2022-23
Aviation BS	**81.5%**	**85%**	**79.4%**	**84.4%**	**85.4%**
Aeronautics	100%	66.7%	75%	33.3%	n/a
Avia: Aviation Management	97.1%	84.6%	87%	94.7%	100%
Avia: Professional Flight	75%	85.8%	78%	83.7%	84.9%

Data provided by MNSU Institutional Research

Percentage of Bachelor Students Graduating In Four & Six Years

All majors in the undergraduate Aviation BS degree are designed to be completed in four years. Some students are able to graduate in less time by completing courses and/or flight labs over the summer. Others take more than four years to complete the degree for various reasons. For Professional Flight students, this is often due to delays in completing flight labs. Four-year graduation rates are reported through the Fall 2019 cohort (i.e. graduated Spring 2023), and Six-year graduation rates are reported through the Fall 2017 cohort.

4-Year Graduation Rate

Program and Concentration	2015-16	2016-17	2017-18	2018-19	2019-20
Aviation BS	**36.6%**	**37%**	**33%**	**33.1%**	**27.8%**
Aeronautics	0%	33.3%	66.7%	44.4%	16.7%
Avia: Aviation Management	31.3%	40%	42.9%	47.1%	30.8%
Avia: Professional Flight	41.2%	38.2%	29.3%	27.8%	27.7%

6-Year Graduation Rate

Program and Concentration	2013-14	2014-15	2015-16	2016-17	2017-18
Aviation BS	**62.5%**	**61.5%**	**53.5%**	**54.3%**	**48.1%**
Aeronautics	n/a	0%	100%	100%	66.7%
Avia: Aviation Management	58.3%	46.2%	62.5%	55%	81%
Avia: Professional Flight	65%	70.3%	51%	52.7%	39%

Data provided by MNSU Institutional Research

Employment rate and types within one year of graduation

Post graduation employment information is derived from graduate surveys, from which MNSU Institutional Research receives an approximate 85% response rate.

Graduate Follow-up Status within One Year of Graduation

Program and Concentration	2018-19	2019-20	2020-21	2021-22	2022-23
Aviation - BS	**43**	**45**	**62**	**75**	**105**
Aeronautics		**1**	**9**	**2**	**4**
Available Unemployed		1	1		1
Continuing Education			1		1
Employed Related			4		1
Employed Unrelated Seeking Related			1		
Status Unknown			2	2	1
Avia: Aviation Management	**15**	**14**	**19**	**20**	**24**
Available Unemployed	1	3	2	1	2
Continuing Education	1	3		2	
Employed Related	5	4	9	10	19
Employed Unrelated Not Seeking Related				1	
Employed Unrelated Seeking Related	3		2	1	
Not Available for Employment			1		
Status Unknown	5	4	5	5	3
Avia: Professional Flight	**27**	**30**	**34**	**30**	**77**
Available Unemployed	1			1	1
Continuing Education		2			2
Employed Related	19	20	23	18	60
Employed Unrelated Not Seeking Related					1
Not Available for Employment			1		
Status Unknown	7	8	10	11	13
No Concentration	**1**			**23**	
Available Unemployed				1	
Continuing Education				1	
Employed Related	1			12	
Status Unknown				9	
Total	**43**	**45**	**62**	**75**	**105**