

AABInternational



Air Traffic Management

Student Achievement Data

Compliance with AABI Policy 3.4.2

Updated: November 10, 2020

Aviation Program Educational Goals

The following aviation program objectives were derived by the Aviation Faculty. These objectives will serve as the basis of our assessment activities. Many of these objectives were taken from the Department's mission statement.

The original mission of John D. Odegard was to provide the highest standard of professional aviation education at a reasonable cost to the student. The department would like this to serve as an overarching theme throughout the strategy to reach the school's mission.

- **Creating graduates that harbor excellent aviation technical abilities**

Produce future aviation professionals that possess the greatest knowledge and technical abilities possible prior to entering the aviation community.

- **Strive for human excellence through the use of a liberal education**

Provide students with a well-rounded educational experience that enhances communication, team work, and leadership skills while fostering an appreciation for other cultures.

- **Instill characteristics that will fully develop our students' human potential**

By inspiring students to pursue life-long learning, it is our goal to prepare students with an understanding and acceptance to changes or challenges they may face in the aviation industry.

- **Promote a solid foundation for the continued utilization of technology**

Due to ever changing technology demands in the aviation industry we provide a foundation of knowledge for current technology use and future applications.

- **Provide skills to build and promote a culture of safety in the aerospace industry**

Emphasize our vitally important role in the transfer of new information and the building of a culture of safety throughout the aviation community.

Air Traffic Management Program Mission and Goals

The mission of the Department of Aviation’s Undergraduate Program in Air Traffic Management is to provide educational opportunities for students that will develop individuals who possess excellent aviation technical abilities, superior communication and teamwork skills, are adaptable to change, seek life-long learning, can effectively utilize technology and have an appreciation of other cultures in order to ensure successful contributions in the global and dynamic aviation industry. This program will prepare graduates in seeking employment as air traffic managers.

Air Traffic Management Program Outcomes

- Knowledge of and the ability to apply tower operations.
- Knowledge of and the ability to apply radar operations.
- Knowledge of and the ability to apply non-radar operations.
- Knowledge of emerging industry procedures and techniques.
- Knowledge and ability to apply Air Traffic Management in an integrated setting

UNIVERSITY OF NORTH DAKOTA STATEMENT ON ASSESSMENT

The assessment of aviation students starts at the university level. UNDs definition of assessment is:

“Assessment is a process by which information from multiple sources is gathered and critically examined to better understand what our students are learning in relation to stated learning goals. Effective assessment results in “informed decision-making” – documenting assessment activities with clarity and in a way that demonstrates continuity and consistency and using the results of assessment to improve student learning.”

Assessment Learning Cycle



The Department of Aviation's Assessment Measures

The Department of Aviation uses several methods to gather direct and indirect assessment data over the course of each academic year. Data gathered is used to improve students learning and strengthen UNDs relationships with industry to ensure students entering the industry are prepared and competitive within their respective career fields. Some methods used include:

- 1) Focus Groups
- 2) Surveys (Graduating Senior Survey, Student Surveys, and Alumni Surveys)
- 3) Stage Check completion Rates
- 4) Capstone Projects
- 5) Aviation Alumni Board Feedback
- 6) Program Review
- 7) Faculty Assessment and Discussion of Learning Outcomes

More specific information, along with timelines can be found in the Department of Aviation's Assessment Plan:

[Assessment Plan: Department of Aviation](#)

Graduation Rates

Year	Headcount	Continued to 2nd Year	Continued to 3rd Year	Continued to 4th Year	Continued to 5th Year	Continued to 6th Year	Continued to 7th Year	Continued to 8th Year	Completed w/in 2 years	Completed w/in 4 years	Completed w/in 6 years	Completed w/in 8 years
2011	60	66.67%	51.67%	40.00%	6.67%	3.33%	1.67%	0.00%	0.00%	38.33%	40.00%	41.67%
2012	70	68.57%	50.00%	41.43%	14.29%	4.29%	0.00%	0.00%	0.00%	22.86%	32.86%	32.86%
2013	39	56.41%	48.72%	33.33%	7.69%	0.00%	0.00%	2.56%	0.00%	35.90%	41.03%	41.03%
2014	31	74.19%	64.52%	61.29%	12.90%	6.45%			0.00%	45.16%	58.06%	58.06%
2015	27	66.67%	51.85%	48.15%	11.11%	11.11%			0.00%	40.74%	40.74%	40.74%
2016	17	70.59%	58.82%	35.29%	5.88%				0.00%	29.41%	29.41%	29.41%
2017	21	85.71%	57.14%	57.14%					0.00%			
2018	21	76.19%	52.38%						0.00%			
2019	13	76.92%							0.00%			

Job Placement

The large majority of UNDs Air Traffic Management graduates get jobs with the Federal Aviation Administration along with private contract Air Traffic Services. As an intermediate step, some students are hired by UND as Air Traffic Management Associates, by BNSF, or as dispatchers in airline or corporate flight operations.

UND Institutional Research conducts placements surveys:

[Placement Survey](#)