

AABInternational



Unmanned Aircraft Systems

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.

Unmanned Aircraft Systems Program Mission and Goals

The primary mission of the Unmanned Aircraft System program is to serve the Department of Aviation, the John D. Odegard School of Aerospace Sciences, the University of North Dakota, the North Dakota State University System, and the State of North Dakota. The secondary mission of the UAS program is to propose and engage in UAS research, education, and training endeavors to enhance opportunities for students and faculty, and to ensure a perpetual state-of-the-art UAS program.

Unmanned Aircraft Systems Program Outcomes

- Be able to demonstrate crew performance and coordination in UAS operational environments while applying problem solving skills and an in-depth understanding of the operational, regulatory and safety environment of the National Airspace System.
- Be able to demonstrate airmanship commensurate with applicable professional licensure.
- Demonstrate an understanding of the science, technology, engineering, and mathematics principles specific to UAS.
- Develop a working knowledge of technologies and their application in UAS operations.
- Be able to demonstrate knowledge of legal, ethical, and moral issues related to UAS operations.
- Be familiar with computer technologies and processes associated with UAS operations to include programming, data storage and security, and networking.

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	14	42.86%	21.43%	14.29%	7.14%	7.14%	7.14%	7.14%	0.00%	7.14%	14.29%	14.29%
2012	28	64.29%	46.43%	35.71%	17.86%	0.00%	0.00%	0.00%	0.00%	14.29%	32.14%	32.14%
2013	28	82.14%	60.71%	53.57%	17.86%	7.14%	3.57%		0.00%	42.86%	57.14%	57.14%
2014	32	62.50%	59.38%	59.38%	15.63%	6.25%			0.00%	34.38%	46.88%	46.88%
2015	25	68.00%	60.00%	52.00%	24.00%	8.00%			0.00%	32.00%	32.00%	32.00%
2016	28	71.43%	46.43%	42.86%	21.43%				0.00%	3.57%	3.57%	3.57%
2017	27	62.96%	51.85%	44.44%					0.00%			
2018	18	66.67%	66.67%						0.00%			
2019	14	78.57%							0.00%			

Job Placement

Graduates of UND Unmanned Aircraft Systems degree program work in a variety of fields including but not limited to government contractors, the US government, and agriculture:

UND Institutional Research conducts placements surveys:

[Placement Survey](#)