

AABInternational

 <p>UNIVERSITY of DUBUQUE</p> <p>AVIATION</p> <p>NOVEMBER 1, 2023</p>	UNIVERSITY OF DUBUQUE
	AVIATION PROGRAMS
	B.S. FLIGHT OPERATIONS (PROFESSIONAL AERONAUTICS)
	STUDENT ACHIEVEMENT DATA

Aviation Department Mission and Educational Goals

Mission

The mission of the Aviation Department is to provide students with the professional skills that allow for success in all segments of the Aviation Industry while enhancing their critical thinking and decision-making skills. The Aviation Department supports the University of Dubuque mission by:

- Establishing excellence in professional preparation
- Fostering a zeal for lifelong learning
- Focusing on the development of professional skills enhanced by technology
- Integrated with safety practices
- Characterized by fiscal prudence with quality equipment and facilities.

Goals

The goals of the Aviation programs:

- Establishing excellence in professional preparation
- Fostering a zeal for lifelong learning
- Focusing on the development of professional skills enhanced by technology
- Integrated with safety practices
- Characterized by fiscal prudence with quality equipment and facilities.

Flight Operation Program Mission and Learning Outcomes:

Mission

The Bachelor of Science in Flight Operations is centered on a Pilot Training School certified under 14 CFR 141, and prepares students for FAA certification (licensing) and ratings. A flight-training program is available to majors and non- majors.

Flight Operations Program includes courses from primary flight through multi-engine, commercial pilot with instrument rating, each supported by an appropriate ground school.

Learning Outcomes

The learning outcomes for the Flight Operation program are:

1. An understanding of the impact of aviation and technology in a global/societal context
2. An ability to apply the techniques, skills, and modern aviation management tools to perform business related tasks
3. An ability to function on a multi-disciplinary management team which includes technical and management issues
4. An ability to apply knowledge of mathematics and science to ensure safe and efficient operations
5. An ability to accurately analyze and interpret data, and design experiments for a variety of problems
6. An understanding of professional and ethical responsibility
7. An ability to communicate with agency representatives, superiors, subordinates, and peers with precision and clarity
8. Recognition of the need for the ability to engage in lifelong learning
9. Knowledge of contemporary aviation industry issues
10. Students will demonstrate knowledge of business applications relating to the management of flight operations.

Program Assessment and Measures Employed

The Aviation Department uses an annual (Academic Year) process to look formally at an outcome or set of outcomes. Plans are developed in August, lead faculty for each outcome are assigned, interim reviews are conducted in January, draft reports are due in June, and final reports are due no later than October. The review is undertaken by one aviation faculty member who reviews the syllabi and the assignments that have been chosen to measure this outcome, once the initial review has been completed, the faculty member presents the findings to the entire aviation faculty for review, then the Aviation Department uses external and internal assessments to identify areas of weakness and where possible areas of interest. When shortcomings are determined, plans are developed, and resources are gathered to address these issues.

All collected data are hosted in " Watermark" which is an integrated digital solution support assessment.

The following University of Dubuque departments and committees participate in assessment of outcomes, identified program recommendation are followed up with syllabus changes, course flow adjustments, quality and program development to address short comings.

- The Curriculum Committee and Core Committee
- Assessment Committee

The program uses the following techniques to gather both direct and indirect feedback on student learning:

- Individual and group assignments
- Exam scores
- Presentations
- Check Rides
- Student and Faculty evaluation
- Graduate Survey
- Senior seminar
- Internal reports covering enrollment

Enrollment/ Graduation Rates

The table below shows the two, four-, and 6-years graduation rate of a cohort of students from 2015 till 2021:

Year	New Students	Graduate in 2 years		Graduate in 4 years		Graduate in 6 Years	
2015	42	8	19%	19	45%	24	57%
2016	62	7	11%	23	37%	31	50%
2017	85	14	16%	42	49%	46	54%
2018	97	25	26%	55	57%		
2019	106	15	14%	40	38%		
2020	104	23	22%	N/A			
2021	76	1	1%				
2022	87	N/A					

Retention Rates

Year	New Student	Continued to				
		2nd Year	3rd Year	4th Year	5th Year	6th Year
2015	42	76%	64%	50%	10%	2%
2016	62	77%	65%	48%	13%	10%
2017	85	82%	67%	33%	19%	8%
2018	97	85%	75%	46%	18%	11%
2019	106	79%	75%	50%	25%	N/A
2020	104	87%	75%	49%	N/A	
2021	76	92%	80%	N/A		
2022	87	93%	N/A			

Degrees Granted by program¹

Academic Year	Flight Operations	Aviation Management	Total
2015-16	12	6	18
2016-17	36	21	57
2017-18	22	27	49
2018-19	18	23	41
2019-20	22	12	34
2020-21	47	14	61
2021-22	39	12	51
2022-23	56	17	73

¹ Counts are unduplicated. If a student double majored within the department they are counted only once.

Graduate Placement Data

The table below provides insights into the career paths that graduates in UD Aviation programs pursue within one year of completing their education:²

Title	2021	2022
Professional pilot/CFI	32%	68%
Graduate school	6%	0%
Aviation operations or customer service management/leadership	12%	10%
Military or law enforcement	4%	2%
Other Aviation international positions	46%	20%

The table below presents responses from the Alumni Survey in Fall 2021³:

Airline Pilot	37%
Corporate Pilot	13%
Professional Pilot/CFI	14%
Higher Education/Faculty	3%
Airline Operation or Management/Leadership	6%
Airport/FBO operations or Management/Leadership	5%
Aviation Operations or Customer Service Management/Leadership	3%
Military or Law Enforcement	11%
Retired	5%
Other	15%

² The data presented is based on faculty connections and LinkedIn search and does not present all graduate students in 2021& 2022.

³ Survey is launched each 2-3 years, also some Alumni might be in more than one position, and the survey presents 101 responses.