

# Student Achievement Data

2023

## Program Educational Objectives

The program educational objectives have been formulated and implemented to graduate professional pilots who meet the missions of the program, Parks College of Engineering, Aviation and Technology, and Saint Louis University. These objectives are focused on the development of graduates who have had exceptional academic experiences at a Jesuit Catholic university, and who are prepared to serve the local, national, and international community by advancing the quality of human life. The program educational objectives for the Bachelor of Science degree offered by the Department of Aviation Science are listed below. These objectives have been developed with input from the faculty, staff, as well as constituents, including students, alumni, and employers.

Program educational objectives are narrow, specific statements that describe what students are expected to know and to be able to do by the time of graduation from the degree program. This definition is consistent with Saint Louis University's assessment requirements. The program educational objectives for the bachelor's degree in Aeronautics are listed below.

### Knowledge

Graduates of the Aeronautics degree program will be able to demonstrate their ability to build upon their fundamental knowledge in mathematics, sciences, and liberal arts to analyze, synthesize, and evaluate contemporary problems in the Aeronautics domain.

### Skills

Graduates of the Aeronautics program will be able to demonstrate proficiency in the following skills:

- Aircraft piloting skills, if applicable to the student;

- Oral, written, and team communication skills to plan, execute, and present team projects in a peer-review setting;

- Research skills to collect data via appropriate literature searches, apply appropriate analytical techniques, synthesize professional-quality reports, and present the research results;

- Critical thinking and analytical x

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following attitudes:

Respect the universality—the inclusiveness—of a variety of intellectual disciplines that synergistically enrich each other as well as the multitude of spiritual paths that open one’s mind to the transcendent;

Strive toward service to their fellow human beings as men and women for others, and in so doing, they will strive to apply their technical knowledge and skills for the betterment of humanity, and;

Whole-heartedly charged to contribute toward their family, their society, and their organization. They will be inspired to choose to do what is most needed among the multitude of things that they are trained, skilled, prepared or gifted to do.

Mission Statement of the Department of Engineering Technology (ET) - 10.6.3d.17 gimt Staoe

intentional about how and for what purposes the results are reported and subsequently used by various University constituencies as described below:

#### For Faculty and Staff

Results of the assessment of our graduates' performance are utilized by SLU faculty and staff to understand how and why students evidenced performance as they did; that research, in turn, should evidence what we, as an educational community, can do to improve that performance. *It should be noted that program- and University-level assessment results are expressly not used to "grade" students and they are not used in any way to determine if students should graduate or not.*

#### For Students and Families

Knowing how many of SLU's graduates meet our own educational expectations can be helpful to students and families looking for an additional measure of the outcomes and benefits of a SLU education. Most helpful, however, may be knowing that SLU is very intentional about evaluating our educational quality and impact on students, and about acting upon what we learn to improve all that we do.

#### For the Higher Learning Commission

Since 1916, Saint Louis University has been accredited by the [Higher Learning Commission](#) (HLC), formerly known as the North Central Association of Colleges and Schools. The HLC regularly monitors overall institutional quality and integrity and is focused on ensuring that SLU meets its educational objectives consonant with our University mission.

A key element of the HLC's oversight is monitoring and offering support for the improvement of our educational assessment efforts. SLU's transparent reporting of our assessment processes, results and — perhaps most important — *what we learn from our results to inform positive change*, are all critical to the HLC's understanding (and their assessment) of SLU's institutional performance.

## Program Assessment Measures Employed

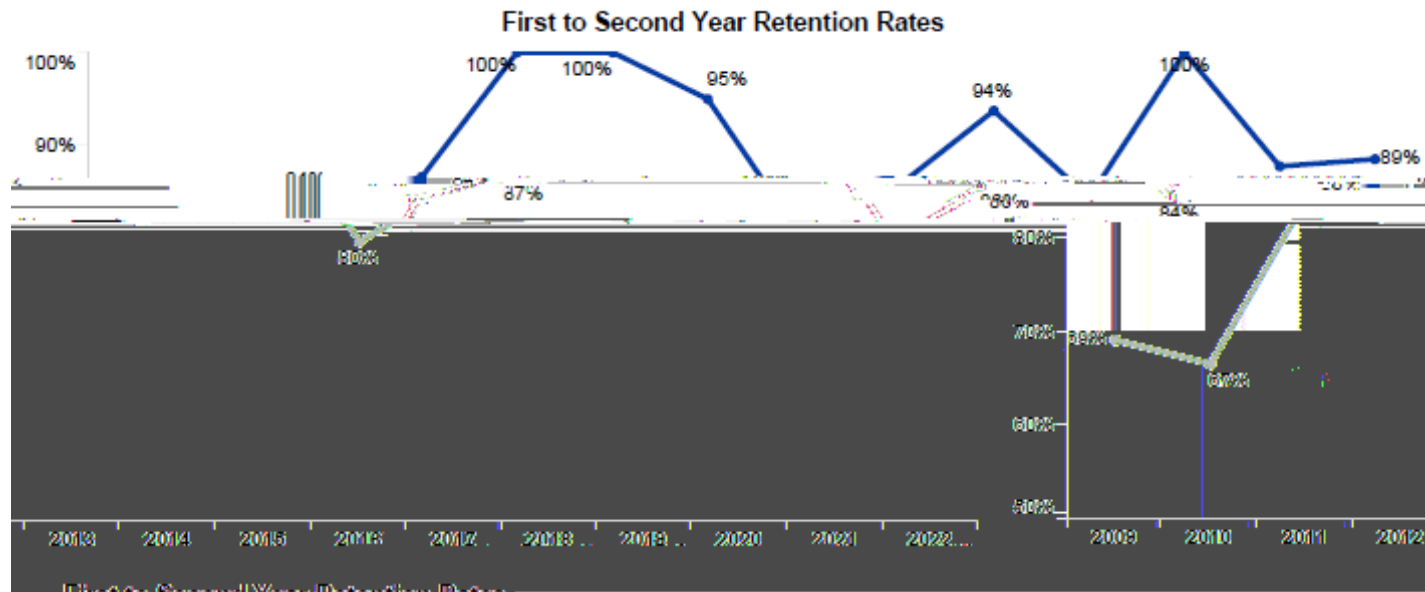
The assessment of program educational

Graduation Exit Survey and Interviews  
Employer and Internship (or Practicum) Surveys  
Alumni Survey  
Federal Aviation Administration (FAA) Airman Knowledge Tests and Practical Exams  
Capstone Course Results  
Faculty Input  
Simulations  
Locally Developed Exams  
Student Volunteer or Organizational Activities  
Industry Advisory Board input.

More specific information, along with timelines can be found in the Department of Aviation Science's "[Program Assessment: Annual Report](#)."



# Freshman Retention and Graduation Rates – All Aeronautics



Year	Enrollment	Returned	Retention Rate (%)
2009	13	9	69.2%
2010	12	8	66.7%
2011	19	10	52.6%
2012	15	13	86.7%
2013	8	8	100.0%
2014	12	12	100.0%
2015	20	19	95.0%
2016	16	13	81.2%
2017	18	15	83.3%
2018	32	30	93.8%
2019	45	38	84.4%
2020	25	25	100.0%
2021	25	22	88.0%

### Graduation Rates...

