

# AABI International

<b>LIBERTY</b> UNIVERSITY SCHOOL of AERONAUTICS	<b>LIBERTY UNIVERSITY</b>
	<b>SCHOOL OF AERONAUTICS</b>
	<b>B.S. AVIATION ADMINISTRATION</b>
<b>November 30, 2022</b>	<b>STUDENT ACHIEVEMENT DATA</b>

**Liberty University School of Aeronautics Pillars:**

- Ensuring a world-class aeronautics experience
- Practicing stewardship to provide exceptional value to our student
- Training champions for Christ to change the world

**Our Vision:** Advance the Great Commission by developing and training aerospace professionals through a distinctive Christian education

**Our Mission:** Equip, Mentor, and Send Champions for Christ into the Aerospace Community

**1. Specific educational goals: Aviation Administration**

- **Create graduates with technical competence:** The Aviation Administration degree program is designed to prepare students for careers in the aviation industry including positions in airport management, airline operations, aircraft manufacturing and sales, government and non-government organizations, aviation safety, missions aviation organizations, and operations, etc. The program also prepares students for roles in safety management systems and exposes students to data analysis, which are areas desired by industry.
  - All graduates of the Aviation Administration program are required to complete the required course curriculum to graduate. Graduation of our program is one way we measure our technical competence goal. See our results in section 3 below.
- **Prepare men and women of character:** The Aviation Administration program builds on the School of Aeronautics’ aviation safety and leadership core, providing graduates with knowledge and skills needed for program development, data analysis, organizational management, and ethics for service as leadership and managerial functions in various aviation business and operations roles. These aviation professionals will possess sound judgment and strong Christian character.
  - In order to be eligible for graduation, all Liberty University students are required to complete an average of 20 hours of supervised service each semester. One way we measure our character goal is by tracking Christian Service during each Fall semester. See our results in section 3 below.

## **2. Program Assessment Measures: Aviation Administration**

In addition to the above specific measures, we assess program effectiveness in three general ways:

- Institutional Effectiveness (Documented processes with evidence archives)
- Strategic Planning (Culture of continuous evaluation, review, improvement)
- Course Assessment Review Process (Stems from program learning outcomes)

### **Aviation Administration: Learning Outcomes**

- Apply biblical principles within the aviation profession.
- Apply written and oral communication skills to promote effective aviation administration.
- Promote a healthy organization safety culture in aviation
- Mentor others in leadership skills and qualities as it relates to aviation administration.
- Adapt sound business practices to the aviation industry.
- Apply science, technology, and mathematics to aviation administration.

Liberty University Institutional Effectiveness information: <https://www.liberty.edu/institutional-effectiveness/student-achievement/fall-2021-student-achievement/>

SOA conducts program assessment activities in a culture of continuous improvement:

- Comprehensive Assessment Plan on file with the Liberty University Office of Institutional Effectiveness (working document updated periodically)
- Assessment of each course by Residential faculty, documented in Course Assessment Reports (CAR) filed in Dropbox
- Liberty University's Office of Institutional Effectiveness leads a comprehensive assessment process documented in Chalk and Wire and managed by the designated SOA IE representative
- SOA's Dean conducts semi-annual strategic planning sessions and monthly goals meetings
- SOA's Dean hosts monthly Chair and Dean's council meetings
- SOA's Associate Dean hosts bi-weekly meetings with faculty and leadership to discuss curriculum, teaching, goals, assessment, and other priorities
- Semi-Annual Industry Advisory Board meetings
- Semi-Annual SOA administrators' review of student end-of-course surveys
- Annual Associate Dean Goals Report - Completed at end of academic year

### **Additional Program Assessment Measures**

Procedures used to assure students meet all program requirements include:

- Incoming students take Math and English placement tests
- FAA medical certificate required for all flight course students
- Students complete courses in applicable DCP; monitored by advisors; tracked by ASIST (Automated Student Information Services Tool) tool

- Students must pass 100-200 level courses with a D grade or higher
- Students must pass 300-400 level courses with a C grade or higher

### Annual Assessment Day

Likert scale surveys sent to first year SOA students and SOA Jr Sr classifications students built from questions used in the focus groups.

For each group, fifteen students are randomly selected and invited to attend the focus group discussion session.

- **First Year Students Focus Group** (*Focus group forum limited to one hour.*)
  - Focus group composed of 10 to 20 first year students sampled from any student who has taken AVIA 102 in the 2021 Fall or 2022 Spring semester.
- **Upper Classmen Focus Group** (*Focus group forum limited to one hour.*)
  - Focus group composed of 10 to 20 upper classmen sampled from AVIA 460, AVIA 461 or AVIA 491.

### 3. Graduation (Aviation Administration)

Similar to how the Integrated Post-Secondary Education Data System (IPEDS) uses a 150% of the normal time graduation rate, Liberty University has chosen to use this time period to measure cohort graduation rates. Unlike the standard IPEDS graduation rate, Liberty University includes transfer students along with first-time students in the cohorts. The graduation rates reported below are based on 150% of the time to complete a four-year degree (six years) and includes transfer students along with first-time students. The years on the chart are the beginning cohort years. For instance, the Fall 2016 cohort is reporting their six-year graduation rate in 2022.

The Aviation Administration Program began in 2019; Please see the School of Aeronautics rates below for the previous years' rates:

Year	Fall 2016	Fall 2015	Fall 2014	Fall 2013	Fall 2012	Fall 2011	Fall 2010
All School of Aeronautics	57%	66%	53%	69%	63%	54%	52%

During Fall 2021, the School of Aeronautics adopted a goal to measure completion of Christian Service (CSER) during each fall semester. Analysis of student participation in CSER among students in the Aviation Administration Program.

Note: Overall measures include all residential Aeronautics students.

Year	Aeronautics Majors	CSER Completed	Rate	Aviation Admin	CSER Completed	Rate
Fall 2022	665	pending	-	32	pending	-
Fall 2021	615	274	45%	39	25	64%

Fall 2020	523	218	42%	34	11	32%
Fall 2019	464	297	64%	42	26	62%
Fall 2018	415	252	61%	26	12	46%

#### **4. Rates and Types of Employment of Graduates (2017-2021)**

##### **Annual Alumni Survey**

Liberty University's annual Alumni Survey is conducted each Fall semester. Alumni from the most recent academic year as well as 5, 10, and 20-year cohorts are invited to participate. Survey content is developed to align with reporting needs for both regional and programmatic accreditors, and national surveys. The survey contains both a core and department-specific sections of questions. The survey core includes questions regarding gainful employment, skill preparation, and overall satisfaction with the school. Academic departments include items for their graduates in the department-specific sections. Feedback is used to inform improvement efforts and for accreditation reporting needs.

Aviation Administration	Survey Year (cohort)				
	2017 (16/17)	2018 (17/18)	2019 (18/19)	2020 (19/20)	2021 (20/21)
Survey Respondent (n)	1	0	0	1	2
Employed/Placed (n)	1	0	0	1	2
Job Directly or Somewhat Relevant (n)	1	0	0	1	2

*Employed/placed includes alumni who reported the following: full-time or part-time employment, military, self-employed, or placement in mission or volunteer services. It excludes the following: retired, continuing education, other, no answer, and caring for home/family.*

##### **Employers and Job Titles:**

- American Airlines (2017)
  - Pilot Recruiting & Development
- Southwest Airlines (2019)
  - Customer Relations Representative
- Triad Aviation Academy (2021)
  - Flight Instructor
- Tampa Bay Rays (2021)
  - Baseball Player

##### **Types of Employment:**

- Aviation Management
- Flight
- Aviation Electronics
- Safety
- Material or Equipment Supplier
- Air Traffic Control

**Airline Hiring Agreements:**

As part of its mission to send *Champions for Christ* into the aerospace community, the Liberty University School of Aeronautics has established relationships with numerous airlines across the United States.

