

# AABI International

<b>LIBERTY</b> UNIVERSITY SCHOOL of AERONAUTICS	<b>LIBERTY UNIVERSITY</b>
	<b>SCHOOL OF AERONAUTICS</b>
<b>November 15, 2023</b>	<b>B.S. AERONAUTICS: MILITARY COGNATE</b>
Compliance with AABI Policy 3.2.4	<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: LUSOA Military**

- **Create graduates with technical competence:** Through a combination of both classroom and flight training, Military majors will acquire the following certificates and ratings during their degree program: FAA Airplane Pilot ratings for Private and Instrument during their degree program.
  - All graduates of the Military program are required to complete FAA Private and Instrument. One way we measure our technical competence goal (completion of required FAA certificates) is through graduation. See our results in section 3 below.
- **Prepare men and women of character:** The purpose of the Military degree program is to prepare men and women to become exceptional aviators who possess outstanding knowledge, excellent technical skills, sound judgment, professionalism, leadership, and strong Christian character. These qualities will prepare students to serve in the U.S. military.
  - 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.

## **2. Program Assessment Measures: Military**

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

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

### **LUSOA Military: Learning Outcomes**

- Apply biblical principles within the professional aviation environment.
- Apply science, technology, and mathematics to aeronautics disciplines.
- Promote a healthy organization safety culture in aviation
- Assimilate the healthy lifestyle required to meet the unique physical and cognitive demands of an aviation career.
- Apply written and oral communication skills as they pertain to the aviation industry.
- Mentor others in leadership skills and qualities as it relates to aviation.

#### **Military cognate:**

- Apply policies, regulations, and procedures to flight operations.

Liberty University Institutional Effectiveness and Research information

<https://www.liberty.edu/institutional-effectiveness/student-achievement/fall-2022-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 and Research (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 and Research leads a comprehensive assessment process documented in Chalk and Wire and managed by the designated SOA IER representative
- SOA's Dean conducts quarterly goals 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

### **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 (Military)**

Similar to how the Integrated Post-Secondary Education Data System (IPEDS) uses a 150% of the normal time graduation rate, Liberty University chose 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 2017 cohort is reporting their six-year graduation rate in 2023.

Graduation Rates, Fall 2017 cohort

	Fall 2017 First time Students	Graduated in 6 years	6-year Graduation Rate
B.S. Aeronautics: Military	12	5	41.67%

Degrees Awarded

	AY 2020-2021	AY 2021-2022	AY 2022-2023
B.S. Aeronautics: Military	9	3	4

#### Retention Rate, All Residential Students

	Cohort	Graduates	Retained	Retention Rate
B B.S. Aeronautics: Military	30	4	21	81%

#### Retention Rate, First-time Freshman and Transfers

	Cohort	Graduates	Retained	Retention Rate
B.S. Aeronautics: Military	12	0	9	75%

#### Fall Headcount Enrollment

	Fall 2023
B.S. Aeronautics: Military	32

## **4. Rates and Types of Employment of Graduates (2017-2022)**

### **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.

	Survey Year (cohort)					
	2017 (16/17)	2018 (17/18)	2019 (18/19)	2020 (19/20)	2021 (20/21)	2022 (21/22)
<b>Military</b>						
Survey Respondent (n)	1	1	0	0	2	0
Employed/Placed (n)	1	1	0	0	2	0
Job Directly or Somewhat Relevant (n)	0	0	0	0	1	0

*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:**

Note: Some survey respondents did not report their job titles

- Harley Davidson (2018)
  - Business Manager
- Pet Commander Kennels (2017)
- United States Airforce (2016)
  - 2nd LT Student Pilot
  - Aircraft Maintenance Officer

**Types of Employment:**

Aviation Management	Maintenance
Military Officer	Business Manager
Safety	Pilot