

AABI International

LIBERTY UNIVERSITY SCHOOL of AERONAUTICS	LIBERTY UNIVERSITY
	SCHOOL OF AERONAUTICS
	B.S. AERONAUTICS, MILITARY COGNATE
April 29, 2021	STUDENT ACHIEVEMENT DATA

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.
- **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, strong Christian character. These qualities will prepare students to serve in the U.S. military.

Liberty University Institutional Effectiveness information: <https://www.liberty.edu/institutional-effectiveness/smart-numbers/fall-2020-smart-numbers/>

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.

2. Program Assessment Measures: Military

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
- SOA's Dean hosts bi-weekly Chair and Dean's council 1030 Monday meetings
- SOA's Associate Dean hosts weekly 1030 Friday 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

In 2014, the SOA developed program learning outcomes (PLOs) of the top-level educational goals of each program offered by the school. These outcomes describe what students should be able to do upon completion of their applicable degree program. The list of PLOs is revised through collaboration among the LUSOA Faculty, the Dean, and the university's Office of Institutional Effectiveness. The LUSOA Assessment Plan specifies a three-year cycle in which each PLO will be assessed.

DEGREE TITLE	PROGRAM LEARNING OUTCOME (PLO)	CLUSTER 1 ASSESSMENT TERM FALL 2017 FALL 2020	CLUSTER 2 ASSESSMENT TERM FALL 2018 FALL 2021	CLUSTER 3 ASSESSMENT TERM FALL 2019 FALL 2022
BS - Aeronautics	The student will be able to:			
	Apply biblical principles within the professional aviation environment.			X
	Apply science, technology, and mathematics to aeronautical disciplines.			X
	Promote a healthy organizational safety culture in aviation.		X	
	Assimilate the healthy lifestyle required to meet the unique physical and cognitive demands of an aviation career.		X	
	Apply written and oral communication skills as they pertain to the aviation industry.	X		
	Mentor others in leadership skills and qualities as it relates to aviation.	X		

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 comprised of 10 to 20 first year students sampled from any student who has taken AVIA 102 in the 2020 Fall or 2021 Spring semester.
- **Upper Classmen Focus Group** (*Focus group forum limited to one hour.*)
 - Focus group comprised of 10 to 20 upper classmen sampled from AVIA 460 or AVIA 491.

3. Graduation (Military)

Program Students at beginning of academic year; Graduates in Spring

Year	15/16	16/17	17/18	18/19	19/20
Program Students	11	3	13	11	17
Graduates	5	8	2	4	2

4. Rates and Types of Employment of Graduates (2016-2020)

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)				
	2016 (16*)	2017 (16/17)	2018 (17/18)	2019 (18/19)	2020 (19/20)
Military					
Survey Respondent (n)	3	1	1	0	0
Employed/Placed (n)	3	1	1	0	0
Job Directly or Somewhat Relevant (n)	3	0	0	0	0

**In 2017 we began sending the alumni survey to the academic year cohorts, thus 2016 has only those who graduated in Spring 2016 and not Fall 2015. 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
- Flight
- Military Officer
- Air Traffic Control
- Safety
- Material or Equipment Supplier