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LIBERTY UNIVERSITY SCHOOL of AERONAUTICS	**LIBERTY UNIVERSITY**
	SCHOOL OF AERONAUTICS
	B.S. AVIATION MAINTENANCE
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: Aviation Maintenance

- **Create graduates with technical competence**: LUSOA operates a 14 CFR Part 147 Aircraft Maintenance school for FAA Airframe and Powerplant certification. The curriculum expands on the School of Aeronautics AMTS (A&P) training for FAA aviation mechanic licensure. It builds on, and strengthens, fundamental skills and principles taught during the AMTS training and delves into broader topics facing an FAA licensed mechanic such as Human Factors and Safety. The FAA certification portion of this program (all AVMT courses) is designed to be completed in 12-consecutive months. The program is specifically suited to prepare students for the mission aviation field as maintainers and as pilot-maintainers. Program elements include turbojet training. Students in UAS maintenance have the option of participating in Textron Systems partnership training to receive industry certification as an Aerosonde maintenance crew chief.

- **Prepare men and women of character**: The purpose of the Aviation Maintenance degree program is to prepare students for management and leadership roles in the aviation maintenance field with outstanding knowledge, excellent technical skills, sound judgment, and strong Christian character.

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

Aviation Maintenance: Learning Outcomes

- Apply Biblical principles within the aviation maintenance environment.
- Apply science, technology, and mathematics in the area of aviation maintenance.
- Promote a healthy organizational safety culture in the aviation maintenance industry.
- Solve aviation maintenance issues and problems individually, and within a team environment.
- Apply written and oral communication skills as they pertain to aviation maintenance.
- Mentor others in leadership skills and qualities.

2. Program Assessment Measures: Aviation Maintenance

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 - Aviation Maintenance	The student will be able to:			
	Apply biblical principles within the aviation maintenance environment.			X
	Apply science, technology, and mathematics in the area of aviation maintenance.			X
	Promote a healthy organizational safety culture in the aviation maintenance industry.		X	
	Solve aviation maintenance issues and problems individually, and within a team environment.		X	
	Apply written and oral communication skills as they pertain to aviation maintenance.	X		
	Mentor others in leadership skills and qualities.	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 (Aviation Maintenance)

First year program students at beginning of academic year; Graduates in Spring

Year	15/16	16/17	17/18	18/19	19/20
First Year Students	n/a	0	5	11	8
Graduates	3	1	2	14	9

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)				
Aviation Maintenance	2016 (16*)	2017 (16/17)	2018 (17/18)	2019 (18/19)	2020 (19/20)
Survey Respondent (n)	1	2	1	1	0
Employed/Placed (n)	1	2	0	1	0
Job Directly or Somewhat Relevant (n)	0	1	0	1	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:

- Dusty's Home Repair (2017)
  - Owner
- Pietsch Aircraft Restoration & Repair (2016)
  - A&P Mechanic

Types of Employment:

- Aviation Management
- Aircraft Maintenance
- Aviation Electronics
- Safety
- Material or Equipment Supplier

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 and has signed hiring agreements with those listed below: