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| LIBERTY UNIVERSITY SCHOOL of AERONAUTICS | LIBERTY UNIVERSITY |
| | SCHOOL OF AERONAUTICS |
| | B.S. AVIATION ADMINISTRATION |
| November 30, 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 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. It provides 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 operational 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, and 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 of 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/smart-numbers/fall-2020-smart-numbers/>

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 goal meetings
- SOA's Dean hosts bi-weekly Chair and Deans' council meetings
- SOA's Associate Dean hosts 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
- Required FAA medical certificates 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, built from questions used in the focus groups, were sent to first-year SOA students, and SOA Junior and Senior classification students.

For each group, fifteen students were 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 Administration)

Integrated Post-Secondary Education Data System (IPEDS) is a system of interrelated surveys conducted annually by the U.S. Department's National Center for Education Statistics (NCES). IPEDS gathers information from every college, university, and technical and vocational institution that participates in the federal student financial aid programs. Liberty University's overall graduation rates can be found at the NCES webpage. The graduation rates are based on 150% of the time to complete a four-year degree (six years).

The Aviation Administration Program began in 2019; therefore, we do not have graduation rates available yet. Please see the School of Aeronautics rates:

| Year | Fall 2015 | Fall 2014 | Fall 2013 | Fall 2012 | Fall 2011 | Fall 2010 | Fall 2009 |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| All School of Aeronautics | 66% | 53% | 69% | 63% | 54% | 52% | 60% |

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 is as follows:

Note: Overall measures include all *residential* Aeronautics students.

| Year | Aeronautics Majors | CSER Completed | Rate | Aviation Admin | CSER Completed | Rate |
|-------------|---------------------------|-----------------------|-------------|-----------------------|-----------------------|-------------|
| Fall 2021 | 615 | pending | - | 39 | pending | - |
| 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 (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, as well as national surveys. The survey contains both a core and department-specific section 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 Administration | 2016 (16*) | 2017 (16/17) | 2018 (17/18) | 2019 (18/19) | 2020 (19/20) |
| Survey Respondent (n) | 0 | 1 | 0 | 0 | 1 |
| Employed/Placed (n) | 0 | 1 | 0 | 0 | 1 |
| Job Directly or Somewhat Relevant (n) | 0 | 1 | 0 | 0 | 1 |

**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:

- American Airlines (2017)
 - Pilot Recruiting & Development
- Southwest Airlines (2019)
 - Customer Relations Representative

Types of Employment:

- Aviation Management
- Flight
- Aviation Electronics
- Air Traffic Control
- 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:

Air Wisconsin
AIRLINES

EXPRESSJET

MESA
AIRLINES

 **PlaneSense**

Cape Air
We're Your Wings

PSA
AIRLINES

GA
COMMUTAIR


PIEDMONT

envoy

 **Republic**
Airways