

AABInternational

	Elizabeth City State University
	School of Science, Aviation, Health, and Technology
	Aviation Science, Flight Education
September 20, 2025	STUDENT ACHIEVEMENT DATA

Mission Statement – Aviation Science Program

The mission of the Aviation Science Program is to provide quality aviation education and research opportunities to a diverse student body by offering specializations in areas relevant to the highly competitive aerospace/aviation industry.

Program Educational Objectives (coded as PEO1 to PEO4):

The B.S. in Aviation Science, Flight Education Program will produce graduates who will:

- PEO1: Demonstrate the necessary knowledge, skills, and abilities required to obtain an entry level position in the aviation/aerospace industry or pursue an advanced education in graduate studies.
- PEO2: Exhibit adherence to professional standards with a consistent level of safety and ethical behavior.
- PEO3: Apply new ideas and technology as the aviation industry continues to evolve; supporting lifelong learning.
- PEO4: Evaluate the expanding role of aviation as it relates to professional pilot progression within either commercial or corporate flight services.

Student Learning Outcomes (SLOs)

The Aviation Science Flight Education Program adopted the SLOs defined in AABI 201 3.3.1 and coded below as SLO1 to SLO16:

- SLO1: Apply mathematics, science, and applied sciences to aviation-related disciplines
- SLO2: Analyze and interpret data
- SLO3: Work effectively on multi-disciplinary and diverse teams
- SLO4: Make professional and ethical decisions
- SLO5: Communicate effectively, using both written and oral communication skills
- SLO6: Engage in and recognize the need for life-long learning

- SLO7: Assess contemporary issues
- SLO8: Use the techniques, skills, and modern technology necessary for professional practice
- SLO9: Assess the national and international aviation environment
- SLO10: Apply pertinent knowledge in identifying and solving problems
- SLO11: Apply knowledge of business sustainability to aviation issues
- SLO 12: Describe the principles of aircraft design, performance and operating characteristics; and the regulations related to the maintenance of aircraft and associated systems.
- SLO 13: Evaluate aviation safety and the impact of human factors on safety.
- SLO 14: Discuss the impact on aviation operations of international aviation law, including applicable International Civil Aviation Organization (ICAO) or other international standards and practices; and applicable national aviation law, regulations and labor issues.
- SLO 15: Explain the integration of airports, airspace, and air traffic control in managing the National Airspace System.
- SLO 16: Discuss the impact of meteorology and environmental issues on aviation operations

Comprehensive Assessment Plan

The Aviation Science Program has a comprehensive assessment and continuous improvement plan that is updated annually. This assessment and continuous improvement plan outlines the procedures by which the Flight Education Program PEOs and SLOs are assessed and how programmatic improvements are made. The program educational objectives and student outcomes are designed to comply with the Aviation Accreditation Board International (AABI) and Elizabeth City State University (ECSU).

Assessment	Frequency
Department Meetings	Monthly
Assessment Data Collection	Continuous
Student Admission Data	Fall, Spring
Faculty Evaluation	May
Student Exit Graduation Surveys	Fall, Spring
Aviation Advisory Board Meeting	Fall, Spring
ECSU Academic Program Assessment	May
ECSU Course and Instructor Student Evaluations	Fall, Spring
Course Learning Objective Surveys	Fall, Spring
Assessment Retreat	May

Graduation Rates

Fall Semester	Cohorts	Change Aviation Program	Major Changes	ECSU Withdrawal	4 year graduate	6 year graduate
2019	17	0	2	5	7	3
2020	31	1	7	13	9	
2021	28		4	6		
2022	28		5	1		
2023	89					
2024	91					

Graduate Employment

Most graduates stay and work at ECSU as CFIs until they have the required hours to move to a regional airline. ECSU has graduates working in several airlines, and a few have moved from regional airlines to the legacy airlines. Some graduates have entered military service and fly for the Coast Guard and Air Force. Others have opted to enter management positions at regional airports and continue to fly in their spare time.