


AABInternational

	Vaughn College of Aeronautics and Technology
	Aviation Department
	BS Aeronautical Sciences
1 March 2021	Student Achievement Data

Public Disclosure of Student Achievement
Statement required for accreditation by Aviation Accreditation Board International (AABI)
Vaughn College of Aeronautics and Technology
BS Aeronautical Sciences Degree AABI Accredited through 31 July 2024

PROGRAM OBJECTIVES

The program educational objectives are intended to produce versatile aviation graduates who:

- 1) Are successful in their chosen career path. They will be able to obtain positions that require detailed technical knowledge and skills in the operation and management of aircraft.
- 2) Pursue graduate study and professional education.
- 3) Conduct themselves as responsible members of society through involvement in their community and engagement in their profession.

STUDENT LEARNING OUTCOMES

The aircraft operations program learning outcomes are as follows. Graduates will be able to:

- a. Apply learning in mathematics, science, and applied sciences to aviation and aircraft operation disciplines;
- b. Analyze and interpret aeronautical and aircraft technical data;
- c. Work effectively on flight crews, and multi-disciplinary and diverse teams;
- d. Make professional and ethical decisions;
- e. Communicate effectively using both written and oral skills;
- f. Know that an aviator is a student for life, and pursue the desired knowledge relentlessly.
- g. Assess contemporary issues in aviation, and in any related fields of interest;
- h. Research, assimilate and display proficiency in the techniques, skills and technology of aeronautics;
- i. Assess the national and international aviation operations environment;
- j. Apply pertinent knowledge in identifying and solving problems;
- k. Apply knowledge of business sustainability to aviation operations issues.

PROGRAM ASSESSMENT MEASURES EMPLOYED

The faculty and staff of Vaughn College devote time and resources to evaluating our Department's success at accomplishing the above objectives. We do this by measuring student and faculty performance at various points throughout the academic year. These results are used to measure selected achievement rates, and adjust our performance to achieve continuous improvement. For the Aeronautical Sciences Program, we measure: FAA pass rates in aircraft simulators, student written projects and oral presentations graded in a standardized format, mathematical proficiency in math classes and in portions of each flight class, knowledge tests of science in courses such as physics, weather, flight and navigation. This program also terminates with a Capstone course, either Instructor Pilot Fundamentals, Flight Dispatch, Airline Transport Pilot, or an Internship. In the capstone, the student's progress through the degree is assessed, and improvement areas for the Aviation Department are recorded and discussed in the Curriculum Committee. All faculty are observed and evaluated by the Department Chair annually.