

Aviation Science, Undergraduate Certificate

Visit the Aviation Sciences Department page (<https://www.uvu.edu/aviation/>) for more information on the program and access to advising.

Program Description

The Undergraduate Certificate in Aviation Science is available for all UVU students with aviation particular focus designed to provide high school students an opportunity to obtain a stackable certificate of proficiency with an emphasis in career and technical education while still enrolled in high school. This certificate is available from the University for college students/adults looking for basic entry-level skills leading to further academic advancement.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		15
ENGL 1010 or ENGL 1005	Introduction to Academic Writing Foundations of Academic Writing	3
HIST 1700	American History	3
Complete one of the following:		3
MAT 1030	Quantitative Reasoning	
MAT 1035	Quantitative Reasoning with Integrated Algebra	
STAT 1040	Introduction to Statistics	
STAT 1045	Introduction to Statistics with Algebra	
MATH 1050	College Algebra	
MATH 1055	College Algebra with Preliminaries	
MATH 1090	College Algebra for Business	
AVSC 1010	Survey of Aviation Science	3
Complete one of the following:		3
AVSC 1100	Ground I - Private (Total Credits)	
AVSC 2110	Aviation Weather	
AVSC 2150	Air Transportation Management	

Graduation Requirements

1. Overall grade point average of 2.0 (C) or above.
2. Completion of 16 credit hours in subjects included in the course list.
3. All courses must be completed with a grade of C- or better.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

Semester 1		Credit Hours
ENGL 1010 or ENGL 1005	Introduction to Academic Writing or Foundations of Academic Writing	3
AVSC 1010	Survey of Aviation Science	3
HIST 1700 or POLS 1100	American History or American National Government	3
Credit Hours		9

Semester 2

Complete one of the following:		3
MAT 1030	Quantitative Reasoning	
MAT 1035	Quantitative Reasoning with Integrated Algebra	
STAT 1040	Introduction to Statistics	
STAT 1045	Introduction to Statistics with Algebra	

MATH 1050	College Algebra	
MATH 1055	College Algebra with Preliminaries	
MATH 1090	College Algebra for Business	
Complete one of the following:		3
AVSC 1100	Ground I - Private	
AVSC 2110	Aviation Weather	
AVSC 2150	Air Transportation Management	
Credit Hours		6
Total Credit Hours		15

Program Learning Outcomes

1. Investigate aviation/aerospace career opportunities and associated skills required in aviation preparation for aviation employment.
2. Identify aviation applications including aerospace technology and terminology.
3. Explain the aerodynamic principles of flight that affect aircraft operation.
4. Apply knowledge of pilotage, dead reckoning, and radio navigation in conjunction with the aeronautical charts, plotters, flight computers, and flight publications necessary for cross-country flight.

Airline pilots, copilots, and flight engineers

- Total Positions 96,300
- Field Growth 5.0%
- Median Salary \$219,140
- Average Openings 11.6

Commercial pilots

- Total Positions 56,500
- Field Growth 5.7%
- Median Salary \$113,080
- Average Openings 6.9