

Aerospace Technology Management, B.S.

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Requirements

The BS in Aerospace Technology Management from Utah Valley University is designed to prepare graduates for various technical aerospace professional roles across a products life cycle. Skills associated with air and space vehicle sustainability systems and risk management, customer management, project management, aftermarket services, business development, manufacturing and inspection processes, safety management systems, and process improvement will be learned and applied. The program will provide a completion degree for students who possess the Airframe and Powerplant ratings of an FAA issued Aircraft Maintenance Technician Certificate under the rules defined by FAR Part 65 or possess a license as an Aircraft Maintenance Engineer (Cat B1) issued under EASA Part 66 regulations.

Total Program Credits: 123

Matriculation Requirements:		
Completion of a Technical Specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under rules of FAR Part 65 OR Completion of an Associates in Science or an Associates of Applied Science Degree from a regionally accredited institution of higher education with a designated technical specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under the rules of FAR Part 147 OR possess a license as an Aircraft Maintenance Engineer (AME) (Cat B1) issued under EASA Part 66 regulations. A total not to exceed 45 credit hours will be awarded for evidence of the possession of the A&P or AME certificate.		
General Education Requirements		35 Credits
	ENGL 1010 Introduction to Academic Writing CC	3
or	ENGL 1005 Literacies and Composition Across Context CC (5.0)	
	ENGL 2010 Intermediate Academic Writing CC	3
Complete one of the following:		3
	MAT 1030 Quantitative Reasoning QL (3.0)	
	MAT 1035 Quantitative Reasoning with Integrated Algebra QL (6.0)	
	STAT 1040 Introduction to Statistics QL (3.0)	
	STAT 1045 Introduction to Statistics with Algebra QL (5.0)	
	MATH 1050 College Algebra QL (4.0)	
	MATH 1055 College Algebra with Preliminaries QL (5.0)	
	MATH 1090 College Algebra for Business QL (3.0)	
Complete one of the following:		3
	POLS 1000 American Heritage SS (3.0)	
	POLS 1100 American National Government AS (3.0)	
	HIST 1700 American Civilization AS (3.0)	
	HIST 1740 US Economic History AS (3.0)	
	HIST 2700 US History to 1877 AS (3.0)	
and	HIST 2710 US History since 1877 AS (3.0)	
Complete the following:		

	PHIL 2050 Ethics and Values IH	3
	HLTH 1100 Personal Health and Wellness TE (2.0)	
or	EXSC 1097 Fitness for Life TE	2
Distribution Courses:		
	Biology	3
	Physical Science (PHYS 1850 recommended)	3
	Humanities (ENGL 2100 recommended)	3
	Fine Arts	3
	Social/Behavioral Science	3
	Additional Biology or Physical Science (TECH 1010 or METO 1010 recommended)	3
	Technical Core Requirement	45 Credits
	Completion of a Technical Specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under rules of FAR Part 65 OR Completion of an Associates in Science or an Associates of Applied Science Degree from a regionally accredited institution of higher education with a designated technical specialty associated with FAA issued Airframe & Powerplant Maintenance Technician Certificate issued under the rules of FAR Part 147 OR possess a license as an Aircraft Maintenance Engineer (AME) (Cat B1) issued under EASA Part 66 regulations. A total not to exceed 45 credit hours will be awarded for evidence of the possession of the A&P or AME certificate.	45
	Discipline Core Requirements	30 Credits
	TECH 3400 Project Management WE	3
	TECH 3850 Quality Management in Technology	3
	AVSC 2150 Air Transportation Management	3
	AVSC 3320 Aviation Managerial Accounting	3
	AVSC 4500 Aerospace Aftermarket Support Services	3
	AVSC 4550 Aerospace Vehicle Certification-Reliability-Maintainability Systems	3
	AVSC 4950 Aerospace Technology Management Capstone Project WE	3
	AVSC 410G Global Ethical and Professional Issues in Aviation GI	3
	Complete (2) of the following:	6
	AVSC 3100 Corporate Aviation Management (3)	
	AVSC 3020 Aviation Insurance and Risk Management (3)	
	AVSC 3090 Airline and Dispatch Operations (3)	
	AVSC 3310 Aviation Logistics Management (3)	
	AVSC 3150 Principles of Aviation Management (3)	
	AVSC 3350 Aviation Labor and Human Resource (3)	
	AVSC 4160 Aviation Law WE (3)	
	Elective Requirements	13 Credits
	Complete 13 upper division credits	13

Graduation Requirements:

1. Completion of a minimum of 123 semester credits.
2. Overall grade point average of 2.0 (C) or above.

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3. No grade lower than a C- in any AVSC or TECH course.
4. Residency hours - Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
5. Completion of GE and specified departmental requirements.
6. Successful completion of at least one (1) Global/Intercultural course.

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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](#).

Semester 1	Course Title	Credit Hours
	FAA issues Airframe and Powerplant Maintenance Technician Certificate <i>(Students must complete FAA issued Airframe and Powerplant Maintenance Technican Certificate--NOT OFFERED AT UVU. Upon completion, student will be awarded 45 credits to apply towards the degree)</i>	45
	Semester total:	45
Semester 2	Course Title	Credit Hours
ENGL 1010	Introduction to Academic Writing CC	3
STAT 1040 or STAT 1045	Introduction to Statistics QL or Introduction to Statistics with Algebra QL	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
	Fine Arts	3
	Social Science	3
	Third Science	3
	Semester total:	17
Semester 3	Course Title	Credit Hours
ENGL 2010	Intermediate Academic Writing CC	3
	American Institutions	3
PHYS 1850	The Physics of Aviation PP	3
PHIL 2050	Ethics and Values IH	3
AVSC 2150	Air Transport Management	3
	Semester total:	15
Semester 4	Course Title	Credit Hours
	Biology	3
ENGL 2100	Technical Communication HH WE	3
AVSC 3320	Aviation Managerial Accounting	3
AVSC 4500	Aerospace Aftermarket Support Services	3
TECH 3400	Project Management WE	3
	Semester total:	15
Semester 5	Course Title	Credit Hours
AVSC 4550	Aerospace Vehicle Certification-Reliability-Maintainability Systems	3
AVSC 410G	Global Ethical and Professional Issues in Aviation GI	3
	AVSC Electives	3
	UDE	3
	Elective	4
	Semester total:	16

Semester 6	Course Title	Credit Hours
TECH 3850	Quality Management in Technology	3
AVSC 4950	Aerospace Technology Management Capstone Project WE	3
	AVSC Electives	3
	UDE	3
	UDE	3
	Semester total:	15
	Degree total:	120