

AVIATION SCIENCE AND TECHNOLOGY (AVIATION SCIENCE MANAGEMENT CONCENTRATION), BACHELOR OF SCIENCE (PRE-2021 PROGRAM, CHECK WITH ADVISOR)

The University Core Curriculum is the same across all undergraduate bachelor's programs. Please consult the academic advisor for your designated major before selecting courses in this area.

Summary

Code	Title	Hours
	General Education Core Curriculum (p. 1)	42
	Major Requirements (p. 1)	37
	Other Requirements (p. 1)	43
	Minor Requirements (p. 1)	0
	Total Hours	122

General Education Core Curriculum (Standard)¹

Code	Title	Hours
Communication		
ENGL 1301	Freshman English I ²	3
ENGL 1302	Freshman English II	3
Mathematics		
MATH 1314	College Algebra ²	3
Life and Physical Sciences		
CHEM 1311	Chemistry I	3
PHYS 1315	Prin of Phys Sci	3
Language, Philosophy, and Culture		
ENG 2XX ³		3
Creative Arts		
MUSI 1315	Fine Arts In Daily Living	3
American History		
HIST 1301	Soc & Pol Hist US to 1877	3
HIST 1302	Soc & Pol Hist US Since 1877	3
Government/Political Science		
POLS 2305	American Government	3
POLS 2306	Texas Government	3
Social and Behavioral Sciences		
PSYC 2301	General Psychology	3
Institutional Options		
CS 120	Introduction to Programming Using C++	3

COMM 1321	Business & Professional Comm	3
Total Hours		42

1

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represents the number of course credits.

2

Pending English and Math examinations

3

Approved Electives

Major (Aviation Science Management)

Code	Title	Hours
AVSM 1301	Introduction To Aviation/History	3
AVSM 1320	Transportation Survey	3
AVSM 2301	Aviation Weather	3
AVSM 3321	Air Traffic Control	3
AVSM 3121	Air Traffic Control Lab	1
AVSM 3351	Aviation Law	3
AVSM 3371	Airport Management	3
AVSM 3381	Air Carrier Management	3
AVSM 4304	Aviation Safety	3
AVSM 4309	General Aviation Management	3
AVSM 4310	FAR CFR PART 139	3
AVSM 4212	Aviation Capstone Project	2
AVSM 4112	Aviation Capstone Proj Lab	1
AVSM 4395	Fld Work Pract in AVS	3
Total Hours		37

Other Requirements

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
BADM 230	Advanced Communication Skills	3
MATH 2312	Precalculus Math	3
MATH 2413	Calculus & Analytic Geomtry I	4
MGMT 300	Principles of Management	3
MGMT 301	Foundations of Human Res Mgmt	3
MGMT 330	Organizational Behavior	3
MGSC 239	Business Statistics I	3
ECON 2301	Principles Of Economics I	3
FS 102	Freshman Seminar/ first Year Experience	1
Electives ¹		15
Total Hours		44

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Any 15 hours from the following:

- Any AVST course other than required courses
- Any MATH, MGMT, MKTG, MGSC, BADM, MSC1, ACCT course, other than required courses.

Minor Requirements

No Minor Required.

Course	Title	Hours	Course	Title	Hours
First Year			AVSM 4310	FAR CFR PART 139	3
First Semester			AVSM 4212	Aviation Capstone Project	2
ENGL 1301	Freshman English I	3	AVSm Elective ²		3
MATH 1314	College Algebra	3	Hours		17
AVSM 1301	Introduction To Aviation/History	3	Eighth Semester		
CS 120	Introduction to Programming Using C++	3	AVSM 4395	Fld Work Pract in AVS	3
FS 102	Freshman Seminar/ first Year Experience	1	MGMT 301	Foundations of Human Res Mgmt	3
COMM 1321	Business & Professional Comm	3	MGMT 330	Organizational Behavior	3
Hours			AVSM Elective ²		3
16			AVSM 4112	Aviation Capstone Proj Lab	1
Second Semester			Hours		13
ENGL 1302	Freshman English II	3	Total Hours		
CHEM 1311	Chemistry I	3	120		
MATH 2312	Precalculus Math	3			
MUSI 1315	Fine Arts In Daily Living	3			
AVSM 1320	Transportation Survey	3			
Hours					
15					
Second Year					
Third Semester					
ENG 2XX Any 200 Level English		3			
POLS 2305	American Government	3			
PSYC 2301	General Psychology	3			
HIST 1301	Soc & Pol Hist US to 1877	3			
AVSM 2301	Aviation Weather	3			
Hours					
15					
Fourth Semester					
POLS 2306	Texas Government	3			
HIST 1302	Soc & Pol Hist US Since 1877	3			
ECON 2301	Principles Of Economics I	3			
BADM 230	Advanced Communication Skills	3			
PHYS 1315	Prin of Phys Sci	3			
Hours					
15					
Third Year					
Fifth Semester					
AVSM 3351	Aviation Law	3			
MATH 2413	Calculus & Analytic Geomtry I	4			
AVSM 3321	Air Traffic Control	3			
AVSM 3121	Air Traffic Control Lab	1			
AVSM Elective ²		3			
Hours					
14					
Sixth Semester					
ACCT 231	Principles Of Accounting I	3			
AVSM 3371	Airport Management	3			
MGSC 239	Business Statistics I	3			
AVSM 3381	Air Carrier Management	3			
AVSM Elective ²		3			
Hours					
15					
Fourth Year					
Seventh Semester					
MGMT 300	Principles of Management	3			
AVSM 4304	Aviation Safety	3			
AVSM 4309	General Aviation Management	3			