

AVIATION SCIENCE MANAGEMENT (UAS - DRONE CONCENTRATION), BACHELOR OF SCIENCE

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)	51
	Other Requirements (p. 1)	27
	Minor Requirements (p. 1)	0
Total Hours		120

General Education Core Curriculum (Standard)¹

Code	Title	Hours
Communication		
ENGL 1301	Freshman English I	3
ENGL 1302	Freshman English II	3
Mathematics		
MATH 1314	College Algebra	3
Life and Physical Sciences		
CHEM 1311	Chemistry I	3
PHYS 1301	College Physics I	3
Language, Philosophy, and Culture		
ENG 2XX ²		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		
ECON 2301	Principles Of Economics I	3
Institutional Options		
COSC 1301	Intro To Compr Science I	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.

2

Major (UAS - Drone Concentration)

Code	Title	Hours
AVSM 1301	Introduction To Aviation/History	3
AVSM 1307	Intro to Unmanned Aerial Systems	3
AVSM 1313	Introduction to Flight	3
AVSM 1113	Introduction to Flight Lab	1
AVSM 2301	Aviation Weather	3
AVSM 1320	Transportation Survey	3
AVSM 3327	Geographic Information Systems	3
AVSM 3347L	Remote Pilot Licensing	3
AVSM 3321	Air Traffic Control	3
AVSM 3121	Air Traffic Control Lab	1
AVSM 3371	Airport Management	3
AVSM 3357	UAS Sensors and Payloads	3
AVSM 3218	Crew Resource Management	2
AVSM 4337L	UAV Aerial Cinematography	3
AVSM 3351	Aviation Law	3
AVSM 4317	UAS and NAS: Laws and Regulations	3
AVSM 4304	Aviation Safety	3
AVSM 4212	Aviation Capstone Project	2
AVSM 4112	Aviation Capstone Proj Lab	1
MGMT 300	Principles of Management	3
Total Hours		52

Other Requirements

Code	Title	Hours
AVSM 2301	Aviation Weather	3
ACCT 231	Principles Of Accounting I	3
BADM 230	Advanced Communication Skills	3
MATH 2312	Precalculus Math	3
MGMT 300	Principles of Management	3
MGMT 330	Organizational Behavior	3
PHYS 213	College Phys Lab I	1
PHYS 1302	College Physics II	3
PHYS 214	College Phys Lab II	1
FS 102	Freshman Seminar/ first Year Experience	1
Free Elective		3
Total Hours		27

Minor Requirement

No Minor Required.

Course	Title	Hours
First Year		
First Semester		
ENGL 1301	Freshman English I	3
MATH 1314	College Algebra	3
AVSM 1301	Introduction To Aviation/History	3
AVSM 1307	Intro to Unmanned Aerial Systems	3

FS 102	Freshman Seminar/ first Year Experience	1
Hours		13
Second Semester		
ENGL 1302	Freshman English II	3
CHEM 1311	Chemistry I	3
or BIOL 1308	or Survey of Life Science	
AVSM 1313	Introduction to Flight	3
AVSM 1113	Introduction to Flight Lab	1
COSC 1301	Intro To Compr Science I	3
COMM 1321	Business & Professional Comm	3
or COMM 1315	or Public Address	
Hours		16

Second Year**Third Semester**

PHYS 1301	College Physics I	3
PHYS 213	College Phys Lab I	1
HIST 1301	Soc & Pol Hist US to 1877	3
AVSM 2301	Aviation Weather	3
PSYC 2301	General Psychology	3
ENG 2XX Any 200-level English		3
Hours		16

Fourth Semester

BADM 101	Intro to Bus, Gov & Society	3
MISY 2304	Fundamentals of Information Systems	3
HIST 1302	Soc & Pol Hist US Since 1877	3
AVSM 1320	Transportation Survey	3
ACCT 231	Principles Of Accounting I	3
Hours		15

Third Year**Fifth Semester**

AVSM 3327	Geographic Information Systems	3
AVSM 3347L	Remote Pilot Licensing	3
POLS 2305	American Government	3
AVSM 3321	Air Traffic Control	3
AVSM 3121	Air Traffic Control Lab	1
AVSM Elective		3
Hours		16

Sixth Semester

POLS 2306	Texas Government	3
AVSM 3371	Airport Management	3
AVSM 3357	UAS Sensors and Payloads	3
MUSI 1315	Fine Arts In Daily Living	3
ENGT 111	Intro to Project Mgmt	1
Hours		13

Fourth Year**Seventh Semester**

AVSM 3218	Crew Resource Management	2
AVSM 4337L	UAV Aerial Cinematography	3
AVSM 3351	Aviation Law	3
AVSM 4317	UAS and NAS: Laws and Regulations	3
AVSM Elective		3
Hours		14

Eighth Semester

AVSM Elective		3
AVSM 4304	Aviation Safety	3
AVSM 4212	Aviation Capstone Project	2
AVSM 4112	Aviation Capstone Proj Lab (AVSM Elective)	1
AVSM Elective		3
MGMT 300	Principles of Management	3
Hours		15
Total Hours		118