

# UNMANNED AIRCRAFT SYSTEMS CONCENTRATION

## Aviation, Bachelor of Science - Unmanned Aircraft Systems Concentration Requirements

Code	Title	Credits
<b>GENERAL EDUCATION REQUIREMENTS - 46 Hours Required</b>		
Minimum of "C-" required		
<b>Fundamental Academic Skills</b>		<b>15</b>
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	ENGLISH COMPOSITION II	
Writing in the Discipline Course		
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1100	DATA LITERACY AND VISUALIZATION	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
or STAT 1100	DATA LITERACY AND VISUALIZATION	
or STAT 1530	ELEMENTARY STATISTICS	
<b>Distribution Requirements</b>		<b>31</b>
Natural Science - From two disciplines and at least one lab - 7 hrs		
Social Science - From two disciplines - 9 hrs		
Humanities and Fine Arts - From two disciplines - 9 hrs		
Global Diversity- 3 hrs		
US Diversity - 3 hrs		
<b>MAJOR REQUIREMENTS - 49-50 Hours Required</b>		
**Course will satisfy UNO's General Education requirement		
^Course requires pre-requisite(s)		
<b>All of the following:</b>		<b>49-50</b>
MATH 1300	COLLEGE ALGEBRA WITH SUPPORT (**)	
or MATH 1220	COLLEGE ALGEBRA	
or MATH 1320	PRE-CALCULUS ALGEBRA	
AVN 3060	WRITING IN AVIATION (^)	
AVN 2510	DIVERSITY IN AVIATION (** ^)	
AVN 3600	INTERNATIONAL AVIATION (^)	
PHYS 1050	INTRODUCTION TO PHYSICS (** ^)	
ECON 2200	PRINCIPLES OF ECONOMICS (MICRO) (** ^)	
PA 3000	APPLIED STATISTICS AND DATA PROCESSING IN PUBLIC SECTOR (^)	
PSCI 1100	INTRODUCTION TO AMERICAN NATIONAL GOVERNMENT (**)	
AVN 1000	INTRODUCTION TO AVIATION AND AEROSPACE (** ^)	
AVN 1020	PRIVATE PILOT THEORY	

AVN 1040	HISTORY OF AVIATION AND AEROSPACE (**)	
AVN 1160	AVIATION SAFETY (^)	
AVN 2020	AIRLINE OPERATIONS (^)	
AVN 2050	INTRODUCTION TO AIRPORT ADMINISTRATION (^)	
AVN 2750	AVIATION METEOROLOGY (^)	
AVN 3150	AVIATION LAW (^)	
<b>Unmanned Aircraft Systems Concentration -</b>		<b>31</b>
AVN 1500	INTRODUCTION TO UNMANNED AIRCRAFT SYSTEMS (^)	
GEOG 1090	INTRODUCTION TO GEOSPATIAL SCIENCES (** ^)	
AVN 2500	UNMANNED AIRCRAFT SYSTEMS FLIGHT OPERATIONS (^)	
JMC 2320	VIDEO FIELD PRODUCTION (^)	
AVN 3040	HUMAN FACTORS IN AVIATION SAFETY (^)	
AVN 3700	TRANSPORTATION ANALYSIS (^)	
GEOG 4630	ENVIRONMENTAL REMOTE SENSING (**)	
GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I (^)	
AVN 4500	ADVANCED UNMANNED AIRCRAFT SYSTEMS PROCEDURES (^)	
ENTR 3710	ENTREPRENEURIAL FOUNDATIONS (^)	
AVN 4990	AIR TRANSPORTATION (^)	
AVN 4200	INTERNSHIP IN AVIATION (^)	

**ELECTIVES**  
Elective hours as required to reach a total of 120 hours

## Aviation, Bachelor of Science - Unmanned Aircraft Systems Concentration Four Year Plan

<b>Freshman</b>		<b>Credits</b>
<b>Fall</b>		
ENGL 1150	ENGLISH COMPOSITION I	3
MATH 1220	COLLEGE ALGEBRA <sup>1</sup>	3
AVN 1000	INTRODUCTION TO AVIATION AND AEROSPACE	3
AVN 1020	PRIVATE PILOT THEORY	3
GEOG 1090	INTRODUCTION TO GEOSPATIAL SCIENCES	4
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
AVN 1500	INTRODUCTION TO UNMANNED AIRCRAFT SYSTEMS	3
AVN 1160	AVIATION SAFETY	3
ENGL 1160	ENGLISH COMPOSITION II	3
CMST 1110	PUBLIC SPEAKING FUNDS	3
PSCI 1100	INTRODUCTION TO AMERICAN NATIONAL GOVERNMENT	3
<b>Credits</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
AVN 2500	UNMANNED AIRCRAFT SYSTEMS FLIGHT OPERATIONS	3
JMC 2320	VIDEO FIELD PRODUCTION	3

AVN 1040	HISTORY OF AVIATION AND AEROSPACE	3
AVN 2750	AVIATION METEOROLOGY	3
PHYS 1050	INTRODUCTION TO PHYSICS	4
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
AVN 2020	AIRLINE OPERATIONS	3
ECON 2200	PRINCIPLES OF ECONOMICS (MICRO)	3
AVN 3040	HUMAN FACTORS IN AVIATION SAFETY	3
AVN 2050	INTRODUCTION TO AIRPORT ADMINISTRATION	3
Humanities and Fine Arts		3
<b>Credits</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
AVN 3060	WRITING IN AVIATION	3
PA 3000	APPLIED STATISTICS AND DATA PROCESSING IN PUBLIC SECTOR	3
ENTR 3710	ENTREPRENEURIAL FOUNDATIONS	3
GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I	4
Humanities and Fine Arts		3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
AVN 4500	ADVANCED UNMANNED AIRCRAFT SYSTEMS PROCEDURES	3
AVN 3150	AVIATION LAW	3
AVN 3600	INTERNATIONAL AVIATION	3
Humanities and Fine Arts		3
Open Elective		3
<b>Credits</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
AVN 3700	TRANSPORTATION ANALYSIS	3
AVN 2510	DIVERSITY IN AVIATION	3
AVN 4200	INTERNSHIP IN AVIATION	3
Open Elective		3
Open Elective		3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
AVN 4990	AIR TRANSPORTATION	3
GEOG 4630	ENVIRONMENTAL REMOTE SENSING	4
Open Elective		3
Open Elective		2
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>

**Additional Information About this Plan:**

**University Degree Requirements:** The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year.

**Placement Exams:** For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at <https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php>

\*\*Transfer credit or placement exam scores may change suggested plan of study

<sup>1</sup> Math courses depend on the ACT subscore, students could need a lower level math or test out completely as well.

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change