

# AVIATION SYSTEMS MANAGEMENT COMPREHENSIVE, BACHELOR OF SCIENCE

Offered by Department of Industrial Technology (<http://catalog.unk.edu/undergraduate/departments-programs/industrial-technology>)

## Flight Operations, Aviation Support Services Emphases

All College of Business and Technology Graduation Requirements (<http://catalog.unk.edu/undergraduate/departments-programs/industrial-technology>) must be fulfilled.

Code	Title	Credit Hours
<b>General Studies</b>		
<i>Foundational Core (Written, Math, Oral, Democracy)</i>		
	Foundational Core courses ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses</a> )	12
Including:		
MATH 102	College Algebra <sup>1</sup>	
<i>Portal</i>		
	Select one course numbered 188 ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course</a> )	3
<i>Distribution</i>		
ENG 101	Introduction of Academic Writing	3
<i>If ENG 101 is not taken as a prerequisite for ENG 102 then additional hours may be required to meet the 27 credit hour minimum in the Distribution Area of General Studies.</i>		
	Aesthetics ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics</a> )	3
	Humanities ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities</a> )	6
	Social Sciences ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences</a> )	6
Including:		
ECON 271	Principles of Economics, Microeconomics	
	Natural Sciences ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences</a> )	8
GEOG 209	Meteorology	
PHYS 205	General Physics I	
PHYS 205L	Physics I Laboratory	
	Analytical and Quantitative Thought ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought</a> )	3
Including:		
ITEC 150	Internetworking Literacy	
	Wellness ( <a href="http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness">http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness</a> )	0
<b>Capstone</b>		

Select one course numbered 388 (<http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course>) 3

<b>BS Science-related course requirements</b>		
MATH 123	Applied Calculus I	3
<b>Major Option</b>		
Complete all required courses		58-63
<b>Unrestricted electives</b>		
Needed to reach 120 credit hour minimum		4-9
Total Credit Hours		112-122

*Students must earn a minimum 2.5 cumulative GPA in the core courses, including any emphasis areas required.*

## Major Option

Code	Title	Credit Hours
<b>Aviation Systems Management Comprehensive -Technology Core Requirements</b>		
ITEC 110	Introduction to Technology	1
ITEC 120	Interpretation of Technical Documents	3
ITEC 130	Technology Today	3
ITEC 290	Communicating Through Technology	3
<b>Aviation Systems Management Comprehensive - Business Core Requirements</b>		
ITEC 308	Industrial Management	3
ITEC 408	Leadership in Business and Technology	3
ACCT 250	Principles of Accounting I	3
BSAD 295	Business Communications	3
ECON 465	Economics of Transportation	3
<b>Aviation Systems Management Comprehensive - Aviation Core Requirements</b>		
ITEC 170	Private Pilot Theory	3
ITEC 391	Aviation Law	3
ITEC 392	Aviation Airport Management	3
ITEC 393	Aviation Safety	3
ITEC 394	Air Traffic Control	3
<b>Aviation Systems Management Comprehensive - Emphasis Area</b>		
Select one of the following emphases.		18-23
<i>Flight Operations Emphasis (23 credit hours)</i>		
ITEC 171	Introduction to Flight	
ITEC 172	Professional Flight 1	
ITEC 220	Electricity/Electronics	
ITEC 291	Instrument Pilot Theory	
ITEC 292	Professional Flight 2	
ITEC 293	Professional Flight 3	
ITEC 375	Commercial Pilot Theory	
ITEC 376	Professional Flight 4	
ITEC 377	Professional Flight 5	
ITEC 416	Advanced Aerodynamics/Aircraft Performance	
ITEC 417	Advanced Aircraft Systems	
<i>Aviation Support Services Emphasis (18 credit hours)</i>		

ACCT 251	Principles of Accounting II
FIN 308	Principles of Finance
MGT 355	Organizational Behavior
MGT 380	Human Resource Management
MKT 300	Principles of Marketing
MGT 233 or STAT 241	Business Statistics Elementary Statistics
Total Credit Hours	58-63

*Note: All flight training for students admitted to the University of Nebraska at Kearney Aviation Systems Management Program will be conducted in accordance with the UNK Aviation Systems Management Program Student Handbook. This Handbook contains all policies and procedures governing flight training. The Handbook also specifies procedures which must be followed by students who are admitted to UNK with flight certificates and ratings not obtained from an approved college or university.*

<sup>1</sup> Students with sufficient preparation may enter the mathematics program at a higher level, reducing the total credit hours needed for the major.