

# AVIATION COMPREHENSIVE, BACHELOR OF SCIENCE

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

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 Education</b>		
Foundational Requirements (LOPERs 1-4)		12
Including:		
LOPER 4: Mathematics, Statistics and Quantitative Reasoning		
MATH 102	College Algebra <sup>1</sup>	
Broad Knowledge Requirements (LOPERs 5-8)		12
Including:		
LOPER 7: Social Science		
ECON 271	Principles of Economics, Microeconomics	
LOPER 8: Natural Science		
Dispositional Requirements (LOPERs 9-10) <sup>2</sup>		6
Wellness (LOPER 11) Optional		0
<b>BS Science-related course requirements</b>		<b>0</b>
<b>Program-Specific Requirements</b>		<b>0</b>
<b>Major Option</b>		
Complete all required courses		57-62
<b>Unrestricted electives</b>		
Needed to reach 120 credit hour minimum		28-33
Total Credit Hours		120

**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 Comprehensive, Bachelor of Science - Business Core Requirements</b>		
ITEC 408	Leadership in Business and Technology	3
BSAD 295	Business Communications	3
<b>Aviation Comprehensive, Bachelor of Science - Aviation Core Requirements</b>		
ITEC 118	Aviation History	3
ITEC 295	Aviation Meteorology	3
ITEC 391	Aviation Law	3
ITEC 392	Aviation Airport Management	3
ITEC 393	Aviation Safety	3
ITEC 394	Air Traffic Control	3
ITEC 492	Aviation Human Factors	3
<b>Aviation Management Comprehensive - Emphasis Area</b>		
Select one of the following emphases.		30-35
<i>Aviation - Professional Pilot Emphasis (35 credit hours)</i>		

ITEC 168	Introduction to Flight
ITEC 170	Private Pilot Theory
ITEC 172	Professional Flight 1 Private Pilot
ITEC 291	Instrument Pilot Theory
ITEC 292	Professional Flight 2 Commercial Pilot Stage 1
ITEC 293	Professional Flight 3
ITEC 365	Crew Resource Management
ITEC 375	Commercial Pilot Theory
ITEC 376	Professional Flight 4 Commercial Pilot Stage
ITEC 377	Professional Flight 5
ITEC 416	Advanced Aerodynamics/Aircraft Performance
ITEC 417	Advanced Aircraft Systems
<i>Aviation-Management Emphasis (30 credit hours)</i>	
ACCT 250	Principles of Accounting 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	Business Statistics
	or STAT 241 Elementary Statistics
ITEC 130	Technology Today
ITEC 308	Industrial Management
ECON 465	Economics of Transportation
Total Credit Hours	57-62

*Note: All flight training for students admitted to the University of Nebraska at Kearney Aviation Program will be conducted in accordance with the UNK Aviation 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.*

1

Students with sufficient preparation may enter the mathematics program at a higher level. Students are required to take a LOPERs 4: Mathematics, Statistical, and Quantitative Reasoning course regardless of entry level.

2

Designated courses with the appropriate content may be approved to satisfy one of the Broad Knowledge requirements plus LOPER 9 or Broad Knowledge plus LOPER 10. Courses may be approved to satisfy LOPER 9 or LOPER 10 alone. (Courses satisfying LOPER 9 or LOPER 10 alone must be 3 credit hours.) Students applying this option will need to take additional hours in other categories to meet the required General Education hours.

This document represents a sample 4-year plan for degree completion with this major. Actual course selection and sequence may vary and should be discussed individually with your academic advisor. Advisors can also help you plan other experiences to enrich your undergraduate education such as internships, education abroad, undergraduate research, learning communities, and service learning and community-based learning.

Code	Title	Credit Hours
<b>Semester 1</b>		
MATH 102	College Algebra	3
ITEC 118	Aviation History	3
ITEC 168	Introduction to Flight	2
LOPER 3: Oral Communication Skills		3
LOPER 1: First-year Seminar		3
Total Credit Hours		14

Code	Title	Credit Hours
<b>Semester 2</b>		
ITEC 170	Private Pilot Theory	3
ITEC 172	Professional Flight 1 Private Pilot	3
LOPER 2: Writing Skills		3
Unrestricted Elective		3
Unrestricted Elective		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 3</b>		
ITEC 292	Professional Flight 2 Commercial Pilot Stage 1	3
ITEC 392	Aviation Airport Management	3
ITEC 417	Advanced Aircraft Systems	3
ECON 271	Principles of Economics, Microeconomics	3
LOPER 5: Visual or Performing Arts		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 4</b>		
ITEC 291	Instrument Pilot Theory	3
ITEC 293	Professional Flight 3	3
ITEC 295	Aviation Meteorology	3
ITEC 394	Air Traffic Control	3
LOPER 8: Natural Science		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 5</b>		
ITEC 375	Commercial Pilot Theory	3
ITEC 376	Professional Flight 4 Commercial Pilot Stage	4
ITEC 492	Aviation Human Factors	3
BSAD 295	Business Communications	3
ITEC 391	Aviation Law	3
Total Credit Hours		16

Code	Title	Credit Hours
<b>Semester 6</b>		
ITEC 365	Crew Resource Management	3
ITEC 393	Aviation Safety	3
ITEC 377	Professional Flight 5	2
LOPER 6: Humanities		3
Unrestricted Elective		3
Unrestricted Elective		1
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 7</b>		
ITEC 408	Leadership in Business and Technology	3
ITEC 416	Advanced Aerodynamics/Aircraft Performance	3
LOPER 9: Civic Competency and Engagement		3
Unrestricted Elective		3
Unrestricted Elective		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 8</b>		
LOPER 10: Respect for Human Diversity		3
Unrestricted Elective		3
Total Credit Hours		15

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Code	Title	Credit Hours
<b>Semester 1</b>		
LOPR 126	First Year Seminar	3
MATH 102	College Algebra	3
ITEC 118	Aviation History	3
LOPER 3: Oral Communication Skills		3
Unrestricted Elective		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 2</b>		
LOPER 2: Writing Skills		3
ECON 271	Principles of Economics, Microeconomics	3
ITEC 130	Technology Today	3

LOPER 5: Visual or Performing Arts	3
Unrestricted Elective	3
<b>Total Credit Hours</b>	<b>15</b>

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
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**Semester 3**

ACCT 250	Principles of Accounting I	3
BSAD 295	Business Communications	3
MGT 233	Business Statistics	3
or STAT 241	Elementary Statistics	
ITEC 392	Aviation Airport Management	3
LOPER 6: Humanities		3
<b>Total Credit Hours</b>		<b>15</b>

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
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**Semester 4**

ACCT 251	Principles of Accounting II	3
ITEC 295	Aviation Meteorology	3
ITEC 391	Aviation Law	3
LOPER 8: Natural Science		3
LOPER 9: Civic Competency and Engagement		3
<b>Total Credit Hours</b>		<b>15</b>

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
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**Semester 5**

ITEC 492	Aviation Human Factors	3
MGT 355	Organizational Behavior	3
MKT 300	Principles of Marketing	3
LOPER 10: Respect for Human Diversity		3
Unrestricted Elective		3
<b>Total Credit Hours</b>		<b>15</b>

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
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**Semester 6**

ITEC 308	Industrial Management	3
ITEC 393	Aviation Safety	3
MGT 380	Human Resource Management	3
Unrestricted Elective		3
Unrestricted Elective		3
<b>Total Credit Hours</b>		<b>15</b>

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
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**Semester 7**

ECON 465	Economics of Transportation	3
ITEC 408	Leadership in Business and Technology	3
Unrestricted Elective		3
Unrestricted Elective		3
Unrestricted Elective		3
<b>Total Credit Hours</b>		<b>15</b>

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
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**Semester 8**

FIN 308	Principles of Finance	3
ITEC 394	Air Traffic Control	3
Unrestricted Elective		3
Unrestricted Elective		3
Unrestricted Elective		3
<b>Total Credit Hours</b>		<b>15</b>