

# AVIATION, BACHELOR OF SCIENCE WITH A CONCENTRATION IN AEROSPACE MANAGEMENT (B.S.)

## Aviation, Bachelor of Science with a Concentration in Aerospace Management (B.S.)

The Aerospace Management Concentration prepares students for exciting professional careers in all aspects of the aerospace industry from a management perspective. Many professionally trained personnel are needed to keep the nation's airports, airlines, and other aviation-related organizations and businesses running effectively and efficiently.

Careers with airports, airlines, and fixed base operations (FBO), as well as consulting companies and federal, state, and local agencies, are all possible for graduates of the Aviation Management concentration program. Students will gain important financial, marketing, technical, and business skills needed to successfully manage operations in the aviation industry. The mission of the Aviation Management Concentration is to prepare our students to become the leaders of the next generation of aerospace professionals by developing the knowledge, skills, and attitudes necessary for successful careers in aerospace.

## Program Requirements

CIP Code: 49.0101

### Major

All aviation courses (AVN prefix) must be completed with a grade of "C" or above.

Code	Title	Hours
<b>University Graduation Requirements</b>		
General Education ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/</a> )		36
<i>Student Success Seminar</i>		
GSD 101	Foundations of Learning	3
Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)		
<b>Major Requirements</b>		
<i>Core Courses</i>		
AVN 150	Introduction to Aviation	3
AVN 250	Air Transportation	3
AVN 315	Aviation Safety Programs	3
AVN 325	Aircraft Systems	3
AVN 329	Aviation Human Factors	3
AVN 335	Weather Reporting/Analysis	3
or GEO 315	Meteorology	
AVN 340	Airport Management I: Operations and Security	3
AVN 370	Aviation Supervision and Leadership	3
AVN 390	Aviation Decision Making	3

AVN 401	Airline Management	3
AVN 402	Corporate and Business Aviation	3
AVN 410	Air Traffic Control	3
AVN 460	Aviation Law	3

### Concentrations

Students must select one of the following Concentrations: <sup>1</sup>

Professional Flight		
Aerospace Management		21
Aerospace Technology		
Unmanned Aircraft Systems		

### Supporting Course Requirements

ECO 230	Fundamentals of Microeconomics (Element 5B) <sup>G</sup>	
MAT 112	Algebra with Applications (or higher) (Element 2) <sup>G</sup>	
BIO 307	Human Anatomy and Physiology I	3
or MGT 301	Principles of Management (NB)	
PHY 101	Conceptual Physics (or higher)(Element 4)	
TEC 161	Computer Applications in Technology	3
or INF 104	Computer Literacy with Software Applications	

Choose from one of the following:

CMS 100	Introduction to Human Communication (Element 1C) <sup>G</sup>	
CMS 210	Public Speaking (Element 1C) <sup>G</sup>	
EES 250	Basic Social Intelligence Skills (Element 1C) <sup>G</sup>	

### Free Electives

Choose from 15 hours of free electives		15
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**Total Hours** **120**

<sup>1</sup> Note: selecting only lower division courses may result in additional course work being needed to meet the University requirement of 42 hours of upper division credits. Students are referred to Degree Works to check for course pre-requisites and monitor upper division hours.

<sup>G</sup> Course also satisfies a General Education element. Supporting hours are included within the 36 hr. General Education requirement above.

## Concentration

Code	Title	Hours
<b>Concentration Courses</b>		
ACC 200	Survey of Accounting	3
AVN 341	Airport Management II: Planning and Administration	3
AVN 360	General Aviation Management	3
ECO 231	Fundamentals of Macroeconomics	3
BUS 204	Fundamentals of Business Law and Ethics	3
HLS 101	Introduction to Homeland Security	3
MKT 301	Principles of Marketing (NB)	3
<b>Total Hours</b>		<b>21</b>