

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

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

The Aerospace Technology (AT) degree is a degree completion concentration. By adding upper-division aerospace management and operation's studies, the bachelor's degree AT concentration is specifically designed to complete a two-year community college degree with a heavy technical aviation course load. Examples of aviation technical degrees include Airframe and Powerplants (A&P), a two-year helicopter and/or airplane pro flight degree, any two-year career technical (CTE) degree partnered with a local flight school, any two-year air traffic control program, and /or any two-year aerospace management program. Additionally, non-degreed airline pilots with the Airline Transport Pilot (ATP) certificate may complete their Bachelor's degree with this concentration.

## 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		
Aerospace Technology		31
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 300	Principles of Management	
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 5 hours of free electives		5
---------------------------------------	--	---

**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>		
AVN 360	General Aviation Management	3
AVN 435	Turbine Aircraft Systems	3
Choose from 25 hours of aviation technical electives		25
<b>Total Hours</b>		<b>31</b>