

AVIATION, BACHELOR OF SCIENCE WITH A CONCENTRATION IN UNMANNED AIRCRAFT SYSTEMS (B.S.)

Note: VA Regulations for Aviation Courses

Students using GI Bill® benefits to fund an aviation course must complete each course and/or flight lab within one year of initial registration; failure to do so will result in the student being assigned a grade of NC (No Credit). Students using GI Bill® benefits must repay to the VA the cost (including a portion of stipends for living expenses) related to any course in which a grade of NC is earned. All student participants receiving Veterans Administration benefits have 19 calendar weeks from the date of the first flight event to complete an Aviation flight lab.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill> (<http://www.benefits.va.gov/gibill/>)

Aviation Flight Hours & Costs/Fees

A complete listing of aviation related fees for the current academic year is published on the EKU Aviation Flight Fees website (<http://aviation.eku.edu/aviation-flight-fees> (<http://aviation.eku.edu/aviation-flight-fees/>)), and included in materials provided by the flight instructors.

Additionally, all VA funded flight students receive this information from the EKU and Veteran Affairs during their enrollment certification process. Students should verify through their regional Department of Veterans Affairs processing office if they have questions regarding their eligibility to use VA resources to complete the requirements of the EKU Aviation program.

Program Requirements

CIP Code: 49.0101

Summary Checklist for General Education

Code	Title	Hours
Element 1		
A:	Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
B:	Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
C:	Oral Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
Element 2		
	Quantitative Reasoning (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-2/)	3

Element 3		
A:	Arts (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
B:	Humanities (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
Element 4		
	Natural Sciences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/)	6
Element 5		
A:	Historical Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
B:	Social Behavioral Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
Element 6		
	Diversity of Perspectives Experiences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/)	6
Total Hours		36

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

Major

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

Code	Title	Hours
University Graduation Requirements		
	General Education	36
	<i>Student Success Seminar</i>	
SCO 100	Student Success Seminar	1
Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)		
Major Requirements		
<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 340	Airport Management I: Operations and Security	3
AVN 370	Aviation Supervision and Leadership	3
AVN 390	Aviation Decision Making	3
AVN 399	Aviation Prof Skills Seminar	0
AVN 401	Airline Management	3
AVN 402	Corporate and Business Aviation	3
AVN 410	Air Traffic Control	3
AVN 460	Aviation Law	3
AVN 467	Comprehensive Exam for BS in Aviation	0
AVN 499	Aviation Careers Seminar	0

Concentrations
Students must select one of the following Concentrations: ¹
Professional Flight

Aerospace Management		
Aerospace Technology		
Unmanned Aircraft Systems		39
<i>Supporting Course Requirements</i>		
AVN 335	Weather Reporting/Analysis	3
or GEO 315	Meteorology	
ECO 230	Fundamentals of Microeconomics (Element 5B) ^G	
MAT 112	Algebra with Applications (or higher) (Element 2) ^G	
BIO 307	Human Anatomy and Physiology I	3
or MGT 300	Principles of Management	
PHY 101	Conceptual Physics (or higher)(Element 4) ^G	
TEC 161	Computer Applications in Technology	3
Choose from one of the following:		
CMS 100	Introduction to Human Communication (Element 1C) ^G	
CMS 210	Public Speaking (Element 1C) ^G	
EES 250	Basic Social Intelligence Skills (Element 1C) ^G	
<i>Free Electives</i>		0
<i>Exit Requirements</i>		
Students must take an Aviation exit examination before graduation.		
AVN 467	Comprehensive Exam for BS in Aviation (CR only)	0
Total Hours		121

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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.

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Course also satisfies a General Education element. Supporting hours are included within the 36 hr. General Education requirement above.

Concentration

Code	Title	Hours
Concentration Courses		
AVN 105	UAS Safety and Regulations	3
AVN 170	Introduction to Unmanned Aircraft Systems	3
AVN 290	UAS Flight Operations	3
AVN 310	UAS Ground/Flight Operations	3
AVN 312	UAS Commercial Single/Multi En	3
AVN 330	Crew Resource Management	3
AVN 412	Counter UAS Operations	3
AVN 425	Applied Aerodynamics	3
GEO 110	Environmental Geography (Element 4)	3
or GEO 210	Introduction to Physical Geography	
GEO 353	Geographic Information Systems	3
GEO 456	Remote Sensing	3
GEO 458	Advanced Geographic Imagery	3
GEO 501	Advanced Geography:___	3
Total Hours		39