

**CURRICULUM GUIDE**  
**Aviation (Professional Flight Concentration)**  
**2023-2024**

Website: [www.technology.eku.edu](http://www.technology.eku.edu)  
 Email Contact: [dennis.field@eku.edu](mailto:dennis.field@eku.edu)

School of Engineering, Aviation, Construction, and Technology  
 521 Lancaster Ave.  
 307 Whalin Complex  
 Richmond, KY 40475  
 859-622-3232

The schedule below is an **EXAMPLE** of how you can arrange your class schedule.  
 Please consult your advisor for specific changes that may need to be made.

	Fall Semester	Spring Semester	3 <sup>rd</sup> Semester
<b>FRESHMAN YEAR</b>	SCO 100 1	AVN 162A 1	AVN 221 A 1
	AVN 150 3	AVN 220 4	
	AVN 161 4	AVN 250 3	
	AVN 161A 1	TEC 161 3	
	<sup>6</sup> MAT 112A <i>and</i> 112B (or higher) (fulfills Gen. Ed. 2) 3	Gen. Ed 1B (ENG 102) 3	
Gen. Ed. 1A (ENG 101) 3			
<b>TOTAL 15</b>	<b>TOTAL 14</b>	<b>TOTAL 1</b>	
<b>SOPHOMORE YEAR</b>	AVN 222A 1	AVN 300 2	AVN 302A 1
	AVN 280 1	AVN 301A 2	
	AVN 315 3	AVN 330 3	
	<sup>6</sup> CMS 100, <sup>6</sup> 210 <i>or</i> <sup>6</sup> EES 250 (fulfills Gen. Ed. 1C) 3	AVN 335 <i>or</i> GEO 315 3-4	
	<sup>6</sup> ECO 230 (fulfills Gen. Ed. 5B) 3	Gen. Ed. 4 (Nat. Sci.) 3	
	Gen. Ed. 3B (Humanities) 3	Gen. Ed. 6 (Diversity) 3	
	<b>TOTAL 14</b>	<b>TOTAL 16-17</b>	<b>TOTAL 1</b>
<b>JUNIOR YEAR</b>	AVN 303A 1	AVN 304A 2	AVN 305A 1
	AVN 325 3	AVN 305 1	
	AVN 329 3	AVN 399 0	
	AVN 340 3	AVN 425 3	
	BIO 307, BUS 303, <i>or</i> MGT 301 3	<sup>6</sup> PHY 101 (or higher) (fulfills Gen. Ed. 4) 3	
	Gen. Ed. 3A (Arts) 3	Gen. Ed. 6 (Diversity) 3	
	<b>TOTAL 16</b>	Free Elective 1-2	<b>TOTAL 13-14</b>
<b>SENIOR YEAR</b>	AVN 390 3	AVN 370 3	
	AVN 402 3	AVN 401 3	
	AVN 410 3	AVN 460 3	
	AVN 415 3	AVN 467 0	
	AVN 415A 1	AVN 499 (spring only) 0	
	AVN 435 3	Gen. Ed. 5A (History) 3	
	<b>TOTAL 16</b>	<b>TOTAL 12</b>	
<b>TOTAL HOURS TO DEGREE COMPLETION</b>			<b>120</b>

\* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division courses in your major.

**Upper division courses:** All students are required to have a minimum of 42 hrs. upper division (300-level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories.

Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements.

Course Number	Course Name
<b>GENERAL EDUCATION &amp; UNIVERSITY REQUIREMENTS (37)</b>	
SCO 100	Student Success Seminar (1)
<b>COLLEGE REQUIREMENTS (0)</b>	
AVN 399	Aviation Professional Skills Seminar (0)
AVN 499	Aviation Careers Seminar (0)
<b>CORE COURSE REQUIREMENTS (36)</b>	
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) (writing intensive)
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)
<b>PROFESSIONAL FLIGHT CONCENTRATION REQUIREMENTS (36)</b>	
AVN 161	Private Pilot-Airplane: Ground (Part 61) (4)
AVN161A	Private Pilot-Airplane (Part 61): Flight 1 (1)
AVN 162A	Private Pilot-Airplane (Part 61): Flight II (1)
AVN 220	Instrument Pilot: Ground (4)
AVN 221A	Instrument Pilot: Flight I (1)
AVN 222A	Instrument Pilot: Flight II (1)
AVN 280	Glass Cockpit Technology (1)
AVN 300	Commercial Pilot: Ground (2)
AVN 301A	Commercial Pilot-SEL: Flight I (2)
AVN 302A	Commercial Pilot-SEL: Flight II (1)
AVN 303A	Commercial Pilot-SEL: Flight III (1)
AVN 304A	Commercial Pilot-SEL: Flight IV (2)
AVN 305	Multi-Engine Pilot (MEL): Ground (1)
AVN 305A	Multi-Engine: Flight (1)
AVN 330	Crew Resource Management (3)
AVN 415	Instructor Pilot-SEL: Ground (3)
AVN 415A	Instructor Pilot-SEL: Flight (1)
AVN 425	Applied Aerodynamics (3)
AVN 435	Turbine Aircraft Systems (3)
<b>SUPPORTING COURSE REQUIREMENTS (9-10)</b>	
AVN 335 <i>or</i> GEO 315	Weather Reporting/Analysis (3) Meteorology (3-4)
<sup>6</sup> ECO 230	Principles of Microeconomics (3)
<sup>6</sup> MAT 112A <i>and</i> <sup>6</sup> MAT 112B (or higher)	Algebra: Polynomials (1.5) Algebra: Functions and Matrices (1.5)
BIO 307 <i>or</i> BUS 303 <i>or</i> MGT 301	Human Anatomy and Physiology I (3) Essentials of Org Behav/HR Mgt (3) Principles of Management (3)
<sup>6</sup> PHY 101 (or higher)	Conceptual Physics (3)
<sup>6</sup> CMS 100 <i>or</i> <sup>6</sup> CMS 210 <i>or</i> <sup>6</sup> EES 250	Introduction to Human Communication (3) Public Speaking (3) Basic Social Intelligence Skills (3)
TEC 161	Computer Applications in Technology (3)
<b>EXIT REQUIREMENT (0)</b>	
AVN 467	Comprehensive Exam for BS in Aviation (0)
<b>FREE ELECTIVES (1-2)</b>	

<sup>6</sup> Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.