

CURRICULUM GUIDE
Aviation, B.S. (Aerospace Technology Concentration)
2022-2023

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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		Course Number	Course Name	
Freshman Year	SCO 100	1	† Concentration Elective	3	GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (37)		
	TEC 161	3	† Concentration Elective	3	SCO 100	Student Success Seminar (1)	
	† Concentration Elective	3	† Concentration Elective	3	CORE COURSE REQUIREMENTS (36)		
	† Concentration Elective	3	° CMS 100, <i>or</i> 210, <i>or</i> EES 250	3	AVN 150	Introduction to Aviation (3)	
	† Concentration Elective	1	(fulfills Gen. Ed. 1C)	3	AVN 250	Air Transportation (3)	
	Gen. Ed. 1A (ENG 101)	3	° MAT 112A <i>and</i> 112B (or higher) (fulfills Gen. Ed. 2)	3	AVN 315	Aviation Safety Programs (3)	
		Gen. Ed 1B (ENG 102)	3	AVN 325	Aircraft Systems (3)		
	TOTAL	14	TOTAL	18	AVN 329W	Aviation Human Factors (3) (writing intensive)	
Sophomore Year	ECO 230 (fulfills Gen. Ed. 5B)	3	† Concentration Elective	3	AVN 340	Airport Management I: Operations and Security (3)	
	° PHY 101 (or higher) (fulfills Gen. Ed. 4)	3	† Concentration Elective	3	AVN 370	Aviation Supervision and Leadership (3)	
	† Concentration Elective	3	Gen. Ed. 3B (Humanities)	3	AVN 390	Aviation Decision Making (3)	
	Gen. Ed. 3A (Arts)	3	Gen. Ed. 4 (Nat. Sci.)	3	AVN 399	Aviation Professional Skills Seminar (0)	
	Gen. Ed. 6 (Diversity)	3	Gen. Ed. 5A (History)	3	AVN 401	Airline Management (3)	
			Gen. Ed. 6 (Diversity)	3	AVN 402	Corporate and Business Aviation (3)	
	TOTAL	15	TOTAL	18	AVN 410	Air Traffic Control (3)	
Junior Year	AVN 150	3	AVN 250	3	AVN 460	Aviation Law (3)	
	AVN 315	3	AVN 360	3	AVN 499	Aviation Careers Seminar (0) (spring only)	
	AVN 325	3	AVN 335 <i>or</i> ‡ GEO 315	3-4	AEROSPACE TECHNOLOGY CONCENTRATION REQUIREMENTS (31)		
	AVN 329W	3	AVN 399	0	AVN 360	General Aviation Management (3)	
	Free Elective	3	BIO 307 <i>or</i> MGT 301	3	AVN 435	Turbine Aircraft Systems (3)	
			Free Elective	3	† PLUS TWENTY-FIVE (25) HOURS of aviation technical electives (concentration elective)		
	TOTAL	15	TOTAL	15-16	SUPPORTING COURSE REQUIREMENTS (9-10)		
Senior Year	AVN 340	3	AVN 370	3	AVN 335 <i>or</i>	Weather Reporting/Analysis (3)	
	AVN 390	3	AVN 401 (ACCT)	3	GEO 315	Meteorology (3-4)	
	AVN 402	3	AVN 435	3	° ECO 230	Principles of Microeconomics (3)	
	AVN 410	3	AVN 460	3	° MAT 112A <i>and</i>	Algebra: Polynomials (1.5)	
	Free Elective	0-1	AVN 467	0	° MAT 112B (or higher)	Algebra: Functions and Matrices (1.5)	
			AVN 499 (spring only)	0	BIO 307 <i>or</i>	Human Anatomy and Physiology I (3)	
	TOTAL	12-13	TOTAL	12	MGT 301	Principles of Management (3)	
					EXIT REQUIREMENT (0)		
					AVN 467		Comprehensive Exam for BS in Aviation (0)
					FREE ELECTIVES (6-7)		
TOTAL HOURS TO DEGREE COMPLETION					120		

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

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

‡ GEO 315 can be taken as either a 3-hour course (without lab) or a 4-hour course (with lab).

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. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

Applied Critical & Creative Thinking (ACCT) Requirement: Aviation majors will fulfill ACCT with AVN 401. (Credit hours are incorporated into program requirements.)