

CURRICULUM GUIDE
Aviation, B.S. (Aerospace Technology Concentration)
2023-2024

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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	COLLEGE REQUIREMENTS (0)	
	† Concentration Elective	3	° CMS 100, <i>or</i> 210, <i>or</i> EES 250 (fulfills Gen. Ed. 1C)	3	AVN 399	Aviation Professional Skills Seminar (0)
	† Concentration Elective	1	° MAT 112A <i>and</i> 112B (or higher) (fulfills Gen. Ed. 2)	3	AVN 499	Aviation Careers Seminar (0) (spring only)
	Gen. Ed. 1A (ENG 101)	3	Gen. Ed 1B (ENG 102)	3	CORE COURSE REQUIREMENTS (36)	
	TOTAL	14	TOTAL	18	AVN 150	Introduction to Aviation (3)
Sophomore Year	ECO 230 (fulfills Gen. Ed. 5B)	3	† Concentration Elective	3	AVN 250	Air Transportation (3)
	° PHY 101 (or higher) (fulfills Gen. Ed. 4)	3	† Concentration Elective	3	AVN 315	Aviation Safety Programs (3)
	† Concentration Elective	3	Gen. Ed. 3B (Humanities)	3	AVN 325	Aircraft Systems (3)
	Gen. Ed. 3A (Arts)	3	Gen. Ed. 4 (Nat. Sci.)	3	AVN 329	Aviation Human Factors (3)
	Gen. Ed. 6 (Diversity)	3	Gen. Ed. 5A (History)	3	AVN 340	Airport Management I: Operations and Security (3)
			Gen. Ed. 6 (Diversity)	3	AVN 370	Aviation Supervision and Leadership (3)
	TOTAL	15	TOTAL	18	AVN 390	Aviation Decision Making (3)
Junior Year	AVN 150	3	AVN 250	3	AVN 401	Airline Management (3)
	AVN 315	3	AVN 360	3	AVN 402	Corporate and Business Aviation (3)
	AVN 325	3	AVN 335 <i>or</i> ‡ GEO 315	3-4	AVN 410	Air Traffic Control (3)
	AVN 329	3	AVN 399	0	AVN 460	Aviation Law (3)
	Free Elective	3	BIO 307 <i>or</i> MGT 301	3	AEROSPACE TECHNOLOGY CONCENTRATION REQUIREMENTS (31)	
			Free Elective	3	AVN 360	General Aviation Management (3)
TOTAL	15	TOTAL	15-16	AVN 435	Turbine Aircraft Systems (3)	
Senior Year	AVN 340	3	AVN 370	3	† PLUS TWENTY-FIVE (25) HOURS of aviation technical electives (concentration elective)	
	AVN 390	3	AVN 401 (ACCT)	3	SUPPORTING COURSE REQUIREMENTS (9-10)	
	AVN 402	3	AVN 435	3	AVN 335 <i>or</i>	Weather Reporting/Analysis (3)
	AVN 410	3	AVN 460	3	GEO 315	Meteorology (3-4)
	Free Elective	0-1	AVN 467	0	° ECO 230	Principles of Microeconomics (3)
			AVN 499 (spring only)	0	° MAT 112A <i>and</i>	Algebra: Polynomials (1.5)
	TOTAL	12-13	TOTAL	12	° MAT 112B (or higher)	Algebra: Functions and Matrices (1.5)
TOTAL HOURS TO DEGREE COMPLETION				120	BIO 307 <i>or</i>	Human Anatomy and Physiology I (3)
					BUS 303 <i>or</i>	Essentials of Org Behav/HR Mgt. (3)
					MGT 301	Principles of Management (3)
					° PHY 101 (or higher)	Conceptual Physics (3)
					° CMS 100 <i>or</i>	Introduction to Human Communication (3)
					° CMS 210 <i>or</i>	Public Speaking (3)
					° EES 250	Basic Social Intelligence Skills (3)
					TEC 161	Computer Applications in Technology (3)
					EXIT REQUIREMENT (0)	
					AVN 467	Comprehensive Exam for BS in Aviation (0)
					FREE ELECTIVES (6-7)	

° 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.