This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (!) must be completed in the semester listed to ensure a timely graduation.

Critical	Course Subject and Title	Credit Hours	Min. Grade	Major GPA	Attribute	Notes
Semester One [16 Credits]						
!	**AERN 15000 Introduction to Aeronautics**	**3**		■		
!	**AERN 15250 FAA Orientation**	**3**		■		
!	**AERN 15745 Non-Pilot Elements of Flight Theory**	**3**		■		
	MATH 11010 Algebra for Calculus	3			KMC	
	UC 10097 Destination Kent State: First Year Experience [1]	1				
	Kent Core Requirement	3				
Semester Two [15 Credits]						
!	**AERN 25350 Fundamentals of Air Traffic Control**	**2**		■		
!	**AERN 25351 Fundamentals of Air Traffic Control Laboratory**	**1**		■		
	COMM 15000 Introduction to Human Communication	3			KAD	
	MATH 11022 Trigonometry	3			KMC	
	TECH 13580 Engineering Graphics I	3		■		
	Kent Core Requirement	3				
Semester Three [15 Credits]						
	AERN 20000 Professional Development in Aeronautics I	1		■		
	AERN 25250 Elements of Aviation Weather	3		■		
	MIS 24163 Principles of Management	3		■		
	PHY 13001 General College Physics I	4			KBS	
	PHY 13021 General College Physics Laboratory I	1			KBS	
	TECH 20002 Materials and Processes	3		■		
Semester Four [15 Credits]						
!	**AERN 35342 Terminal Operations I**	**2**		■		
!	**AERN 35345 Terminal Operations I Laboratory**	**1**		■		
	AERN 35340 Airport Management	3		■		
	PHY 13012 College Physics II [2]	2			KBS	
	PHY 13022 General College Physics Laboratory II	1			KBS	
	Kent Core Requirement	3				
	Kent Core Requirement	3				
Semester Five [16 Credits]						
!	**AERN 35040 Aircraft Systems I**	**3**		■		
!	**AERN 45320 Terminal Operations II**	**2**		■		
!	**AERN 45321 Terminal Operations II Laboratory**	**1**		■		
	AERN 30000 Professional Development in Aeronautics II	1		■		
	AERN 35650 Non-Pilot Instrument Flight Theory [F]	3		■		
	Kent Core Requirement	3				
	General Electives [3]	3				
Semester Six [15 Credits]						
!	**AERN 35343 En Route I**	**3**		■		
	AERN 45150 Applied Flight Dynamics I	3		■		
	AERN 45250 Aviation Law	3		■		
	AERN 45350 Avionics	3		■		
	Kent Core Requirement	3				
Semester Seven [13 Credits]						
!	**AERN 45343 En Route II**	**2**		■		
!	**AERN 45344 En Route II Laboratory**	**1**		■		
	AERN 45030 Aircraft Systems II	3		■		
	AERN 45135 Aviation Safety Theory	3		■		
	AERN 45291 Aerospace Senior Seminar	1		■		
	AERN 45791 Aviation Security and Policy Seminar	3	C [4]	■	WIC	
Semester Eight [15 Credits]						
	AERN 45130 Physiology and Human Factors of Flight	3		■		
	AERN 45300 Air Traffic Control Capstone	3	C	■	ELR	
	Kent Core Requirement	3				
	General Electives [3]	6				

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.500	2.000

1. UC 10097 is not required of transfer students with 25 credits (excluding College Credit Plus) or students age 21+ at time of admission.

2. Students who successfully completed PHY 13002 will have met the requirement for PHY 13012.

3. Total number of credit hours required depends on meeting minimum 120 credit hours and minimum 39 upper-division hours.

4. A minimum C grade must be earned to fulfill the writing-intensive requirement.

F Offered fall only

University Requirements: Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/diversity; Writing-Intensive Course Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

Attribute Legend: **DD** Diversity–Domestic; **DG** Diversity–Global; **ELR** Experiential Learning; **KAD** Kent Core Additional; **KBS** Kent Core Basic Sciences; **KCM** Kent Core Composition; **KFA** Kent Core Fine Arts: **KHU** Kent Core Humanities; **KMC** Kent Core Mathematics and Critical Reasoning; **KSS** Kent Core Social Sciences; **WIC** Writing Intensive