KENT STATE
UNIVERSITY

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	Upper Div.	Min. Grade	Major GPA	Type	Term Taken
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	
	US 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			■		
	MATH 11022 Trigonometry	3				KMC	
	TECH 13580 Engineering Graphics I	3			■		
	TECH 20002 Materials and Processes	3			■		
	Kent Core Requirement	3					
Semester Three [14 Credits]							
	AERN 25250 Elements of Aviation Weather	3			■		
	COMM 15000 Introduction to Human Communication	3				KAD	
	MIS 24163 Principles of Management	3			■		
	PHY 13001 General College Physics I	4				KBS	
	PHY 13021 General College Physics Laboratory I	1				KBS	
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 [15 Credits]							
!	**AERN 35040 Aircraft Systems I**	3	■		■		
!	**AERN 45320 Terminal Operations II**	2	■		■		
!	**AERN 45321 Terminal Operations II Laboratory**	1	■		■		
	AERN 35650 Non-Pilot Instrument Flight Theory [F]	3	■		■		
	Kent Core Requirement	3					
	General Electives (lower or upper division)	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 [15 Credits]							
!	**AERN 45343 En Route II**	2	■		■		
!	**AERN 45344 En Route II Laboratory**	1	■		■		
	AERN 45030 Aircraft Systems II [3]	3	■		■		
	AERN 45135 Aviation Safety Theory	3	■		■		
	AERN 45791 Aviation Security and Policy Seminar [3]	3	■	C	■	WIC	
	General Electives (lower or upper division)	3					
Semester Eight [15 Credits]							
All students must successfully complete the comprehensive exit exam requirement prior to graduation with the B.S. in Aeronautics.							
	AERN 45130 Physiology and Human Factors of Flight	3	■		■		
	AERN 45291 Aerospace Senior Seminar	1	■		■		
	AERN 45300 Air Traffic Control Capstone	3	■		■		
	Kent Core Requirement	3					
	General Electives (lower or upper division)	5					

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.250	2.000

1. US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.
2. Students who successfully completed PHY 13002 will have met the requirement for PHY 13012.
3. A minimum C grade must be earned to fulfill the writing-intensive requirement.
F   Offered fall only

University Requirements Summary

Type	Categories	Course(s) Satisfying Category	Remaining Requirements
KCM	**Kent Core I. Composition** Enrollment based on placement test	visit www.kent.edu/catalog/kent-core	6
KMC	**Kent Core II. Mathematics and Critical Reasoning** Enrollment based on placement test	MATH 11010	fulfilled
KHU	**Kent Core III. Humanities** Minimum one course from humanities in Arts and Sciences; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFA	**Kent Core IV. Fine Arts** Minimum one course from the fine arts; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFH	**Kent Core V. Humanities or Fine Arts** One additional course from either the humanities or fine arts category, may fulfill diversity requirement.	visit www.kent.edu/catalog/kent-core	3
KSS	**Kent Core VI. Social Sciences** Must be selected from two curricular areas; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	6
KBS	**Kent Core VII. Basic Sciences** Must include one laboratory	PHY 13001, PHY 13012	fulfilled
KAD	**Kent Core VIII. Additional** May fulfill diversity requirement	COMM 15000, MATH 11022, PHY 13021, PHY 13022	fulfilled
DD	**Domestic Diversity Course Requirement** Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
DG	**Global Diversity Course Requirement** Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
ELR	**Experiential Learning Requirement** Either course or non-course experience approved by the appropriate faculty member	www.kent.edu/catalog/elr	one course or activity
WIC	**Writing-Intensive Course Requirement** Minimum C (2.000) grade	AERN 45791	fulfilled