

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	,	Credit Hours	Min. Grade	Major GPA	Attribute	Notes
	r One [16 Credits]	2			КМС	
!	MATH 11010 Algebra for Calculus AERN 15000 Introduction to Aeronautics	3		-	NIVIC	
		3				
	AERN 15745 Non-Pilot Elements of Flight Theory US 10097 Destination Kent State: First Year Experience ¹	1				
	· · ·					
	Kent Core Requirement Kent Core Requirement	3				
omosto	r Two [15 Credits]	3				
emeste !	MATH 11022 Trigonometry	3			KMC	
•	AERN 25250 Elements of Aviation Weather	3		_	RIVIC	
	AERN 25350 Elements of Aviation Weather	2				
	AERN 25350 Fundamentals of Air Traffic Control Laboratory	1				
	COMM 15000 Introduction to Human Communication	3			KAD	
	TECH 20002 Materials and Processes	3		_	KAD	
omosto	r Three [15 Credits]	3				
emeste !	PHY 13001 General College Physics I	4			KBS	
!	PHY 13021 General College Physics Laboratory I	1			KBS	
·	AERN 20000 Professional Development in Aeronautics I	1			ND3	
	TECH 31000 Cultural Dynamics of Technology	3	C ²	-	DD/WIC	
	Kent Core Requirement	3	0	-	DD/WIC	
	Kent Core Requirement	3				
omosto	r Four [14 Credits]	3				
!	PHY 13012 College Physics II ³	2			KBS	
ł	AERN 35150 Aircraft Structures	3			ND3	
	AERN 35340 Airport Management	3		-		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
omosto	r Five [16 Credits]	5				
emeste	AERN 35020 Aircraft Propulsion Systems	3				
	AERN 35020 Aircraft Systems I	3				
	TECH 21021 Survey of Electricity and Electronics	4				
	Kent Core Requirement					
	General Elective (lower or upper-division credit hours)	3				
omosto	r Six [16 Credits]	5				
emeste	AERN 30000 Professional Development in Aeronautics II	1		_		
	AERN 35341 Air Transportation Systems	3				
	AERN 35341 All Transportation Systems	3				
	AERN 45350 Avionics	3				
omosto	General Elective (lower or upper-division credit hours)	4				
emeste	r Seven [15 Credits] AERN 45130 Physiology and Human Factors of Flight	3		-		
	AERN 45135 Aviation Safety Theory	3		•		
	AERN 45155 Aviation Safety Theory AERN 45150 Applied Flight Dynamics I	3				
	AERN 45250 Aviation Law					
	General Elective (lower or upper-division credit hours)	3				
amasta	r Eight [15 Credits]	3				
	students must successfully complete the comprehensive exit ex	am requirer	ent prior	to grad	ation with the	RS in Aeronautics
ole. All	AERN 45099 Aeronautical Studies Capstone		-	to gradi		B.C. III ACIONAULICS.
	or AERN 45092 Aeronautical Internship/Cooperative Education	3	С	•	ELR	
	AERN 45291 Aerospace Senior Seminar	1				
	AERN 45791 Aviation Security and Policy Seminar	3	C ²		WIC	
	General Elective (lower or upper-division credit hours)	8				

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum	
	30000 – 40000 level course	Minimum Kent Core Hours	Major GPA	Overall GPA
120	39	36	2.250	2.000



- 1. US 10097 is not required of transfer students with 25 credits (excluding College Credit Plus and dual-enrollment credit) or students age 21+ at time of admission.
- 2. A minimum C grade must be earned in AERN 45791 or TECH 31000 to fulfill the writing-intensive requirement.

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

Special Major Note

Comprehensive Exit Exam: All students must successfully complete the comprehensive exit exam requirement prior to graduation with the B.S. in Aeronautics. Exit exam requirements are to be satisfied by all graduation candidates no later than the eighth week of the semester of intended graduation. The exit exams shall be offered during the fourth and eighth weeks of the fall and spring semesters. Students who fail will be allowed to retake the exit exams. An overall passing grade of 70 is required. Students who transfer into the aeronautics program and receive academic credit for core areas are still responsible for taking the exam in its entirety.

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 – <u>www.kent.edu/catalog/kent-core</u>; Diversity Course Requirement – <u>www.kent.edu/catalog/diversity</u>; Writing-Intensive Course Requirement – <u>www.kent.edu/catalog/wic</u>; Experiential Learning Requirement – <u>www.kent.edu/catalog/wic</u>; Experiential Learning Requirement – <u>www.kent.edu/catalog/ler</u>.

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