KENT STATE
U N I V E R S I T Y

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

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
Semester One: [16 Credit Hours]				
MATH 11010 Algebra for Calculus	**3**			**Fulfills Kent Core Mathematics and Critical Reasoning**
TECH 15000 Introduction to Aeronautics	**3**			
GEOG 17063 World Geography	3			Fulfills Kent Core Social Sciences and global diversity requirement
TECH 10001 Information Technology	3			
US 10097 Destination Kent State: FYE	1			Not required for transfer students with 25 credits
Kent Core Requirement	3			See Kent Core Summary on page 2
Semester Two: [16 Credit Hours]				
MATH 11022 Trigonometry	**2**			
TECH 15740 Elements of Flight Theory	**5**			
TECH 15741 Private Pilot Flight	**3**			**Need 2.5 GPA in first semester to enroll**
COMM 15000 Introduction to Human Communication	3			Fulfills Kent Core Additional
Kent Core Requirement	3			See Kent Core Summary on page 2
Semester Three: [17 Credit Hours]				
PHY 13011 College Physics I	2			Fulfills Kent Core Basic Sciences; courses must be taken together
PHY 13021 General College Physics Laboratory I	1			
TECH 25250 Elements of Aviation Weather	**3**			
TECH 25743 Commercial Pilot Flight I	**2**			
ECON 22060 Principles of Microeconomics	3			Fulfills Kent Core Social Sciences
MATH 11012 Intuitive Calculus	3			Fulfills Kent Core Additional
Kent Core Requirement	3			See Kent Core Summary on page 2
Semester Four: [14 Credit Hours]				
PHY 13012 College Physics II	2			Fulfills Kent Core Basic Sciences; courses must be taken together
PHY 13022 General College Physics Laboratory II	1			
TECH 35644 Instrument Flight Theory	**3**	■		Courses must be taken together
TECH 35645 Instrument Pilot Flight	**2**	■		
ECON 22061 Principles of Macroeconomics	3			Fulfills Kent Core Additional
ENG 20002 Introduction to Technical Writing	3			
Semester Five: [15 Credit Hours]				
TECH 35020 Aircraft Propulsion Systems	**3**	■		
TECH 35040 Aircraft Systems I	**3**	■		
TECH 35340 Airport Management	**3**	■		
TECH 35647 Commercial Pilot Flight II	**2**	■		
TECH 35746 Commercial Pilot Theory	**2**	■		Courses must be taken together
TECH 35747 Commercial Pilot Flight III	**2**	■		

KENT STATE
UNIVERSITY

Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
Semester Six: [15 Credit Hours]				
TECH 35342 Air Traffic Control	**3**	■		
TECH 45030 Aircraft Systems II	**3**	■		**Fulfills writing-intensive course requirement; see note on page 3**
TECH 35150 Aircraft Structures	3	■		
TECH 45130 Physiology and Human Factors	3	■		
TECH 45350 Avionics *or* TECH 45730 Applied Transport Category Aircraft Systems *or* TECH 45740 Flight Management and Electronic Display	3	■		TECH 45730 and 45740 are offered in spring only
Semester Seven: [17 Credit Hours]				
TECH 45250 Aviation Law and Safety	**3**	■		
TECH 45648 Theory of Flight Instruction	**2**	■		**Courses must be taken together**
TECH 45649 Flight Instructor – Airplanes	**2**	■		
TECH 45653 Multi-Engine Pilot Flight	**1**	■		
TECH 45720 Crew Resource Management	**2**	■		**Offered in fall only**
TECH 45721 Crew Resource Management Laboratory	**1**	■		**Offered in fall only**
TECH 35341 Air Transportation Systems	3	■		
Kent Core Requirement	3			See Kent Core Summary below
Semester Eight: [14 Credit Hours]				
TECH 45150 Applied Flight Dynamics I	**3**	■		
TECH 45291 Aerospace Senior Seminar	**1**	■		**Offered in spring only**
TECH 45710 Turbine Engine Theory and Operation	**2**	■		**Offered in spring only**
TECH 45711 Turbine Engine Theory and Operation Laboratory	**1**	■		**Offered in spring only**
TECH 45791 Aviation Security and Policy Seminar	**3**	■		**Fulfills writing-intensive course requirement; see note on page 3**
Kent Core Requirement	3			See Kent Core Summary below
General Elective (lower or upper division)	1			Number of credits required depends on meeting minimum 124 credit hours and 39 upper-division hours

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Diversity Course Global / Domestic	Writing-Intensive	Minimum Major GPA	Overall GPA
124	39	39	GEOG 17063 / Kent Core Humanities	TECH 45030 or TECH 45791	2.25	2.00

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Additional (6 credit hours) *Must be selected from two Kent Core categories*	Fulfilled in this major with ECON 22061, COMM 15000	0
Basic Sciences (6-7 credit hours) *Must include one laboratory*	Fulfilled in this major with PHY 13011, PHY 13012, PHY 13021 and PHY 13022	0
Composition (6-8 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Enrollment based on placement test	6-8
Humanities and Fine Arts (9 credit hours) *Minimum one course from humanities in Arts and Sciences category and minimum one course from fine arts category*	May fulfill domestic diversity requirement	9
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010.	0
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	Fulfilled in this major with ECON 22060 and GEOG 17063	0

Note: A minimum C grade must be earned in either TECH 45030 or TECH 45791 in order to fulfill the writing-intensive requirement.

Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade.
Visit www.kent.edu/catalog/wic for course list.

Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.