



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	Min. Grade	Important Notes
Semester One: [13-15 Credit Hours]			
US 10097 Destination Kent State: FYE	1		
Kent Core Composition**	3		Enrollment based on placement tests
Kent Core Humanities	3		
Kent Core Mathematics and Critical Reasoning	3-5		*Suggestion: MATH12002 or 11010
Kent Core Social Sciences	3		*Suggestion: ECON22060
Semester Two: [13-15 Credit Hours]			
Career Construction	1		7-½ weeks, optional
Kent Core Additional	3		*Suggestion: COMM15000
Kent Core Basic Sciences	2-4		*Suggestion: PHY 13001 or 13011 (w/13021 below)
Kent Core Basic Sciences Laboratory	1		*Suggestion: PHY 13021
Kent Core Social Sciences	3		
Kent Core Fine Arts	3		
Semester Three: [14-18 Credit Hours]			
Career and Life Planning	1		7-½ weeks, optional
Kent Core Composition**	3		Enrollment based on placement tests
Kent Core Additional	3		*Suggestion: ECON22061
Kent Core Basic Sciences	1-3		
Kent Core Humanities and Fine Arts	3		
Elective or Foreign Language (Elementary I)	3-5		

Requirements Summary

Minimum Total Hours	Minimum Overall GPA
45	2.0

***Note on suggested courses:** students may elect any courses that fulfill the Kent Core requirements. Suggestions were generated based on common major requirements within this interest area. In *some* programs, these courses may fulfill both major requirements and Kent Core requirements, while in others they will only count towards the Kent Core. Please see chart below for a detailed listing of program requirements that overlap with the Kent Core for each specific program. Students in the interest area who are heavily leaning towards a specific program are advised to consider courses listed below in lieu of suggested courses.

****Honors College students** will take HONR10197 and 10297 in *semesters 1 and 2*, in lieu of KC Composition in semesters 1 and 3.

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Additional (6 credit hours) <i>Must be selected from two Kent Core categories</i>		6
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>		6-7
Composition (6-8 credit hours)	Enrollment based on placement test	6-8
Humanities and Fine Arts (9 credit hours) <i>Minimum one course from humanities in Arts and Sciences category and minimum one course from fine arts category</i>		9
Mathematics and Critical Reasoning (3-5 credit hours)	Enrollment based on placement test	3-5
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>		6



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.

Foreign Language

Visit www.kent.edu/catalog/foreign-languages for course list.

Major	Degree	Minimum Hours for Graduation	Courses in this major that fulfill Kent Core requirements	Milestone Courses in the first 3 semesters
Applied Mathematics (Applied Mathematics)	BS	121	MATH12002; CS 10051; PHY 23101; PHY 23102	S1: MATH12002 S2: MATH12003 S3: MATH22005
Applied Mathematics (Computational Mathematics)	BS	121	MATH12002; CS 10051; PHY 23101; PHY 23102	S1: MATH12002 S2: MATH12003 S3: MATH22005
Applied Mathematics (Financial Mathematics)	BS	121	MATH12002; CS 10051; ECON22060; ECON22061; PHY 23101; PHY 23102	S1: MATH12002 S2: MATH12003 S3: MATH22005
Applied Mathematics (Probability and Statistics)	BS	121	MATH12002; CS 10051; PHY 23101; PHY 23102	S1: MATH12002 S2: MATH12003 S3: MATH22005
Biotechnology	BS	121	BSCI10120; CHEM10060; CHEM10062; MATH12002 OR MATH12021; CHEM10061; CHEM10063; PHIL21001; CS 10051; PHY 13001; PHY 13021	S1: BSCI10120; CHEM10060; CHEM10062
Computer Science	BS	121	CS 10051; MATH12002	S1: CS 10051 S2: CS 23021, 23022; MATH12002 S3: CS 33001, 35101; MATH12003
Geography (Geographic Information)	BA	121	GEOG17063; GEOG17064; GEOG21062; GEOG21063	S1: GEOG17063 S2: GEOG17064 S3: GEOG21062, 21063
Mathematics	BA	121	MATH12002; CS 10051	
Mathematics (Actuarial Mathematics)	BS	121	MATH12002; PHY 23101	S1: CS 10061; MATH12002 S2: MATH12003; PHY23101 S3: MATH21002, 22005



Major	Degree	Minimum Hours for Graduation	Courses in this major that fulfill Kent Core requirements	Milestone Courses in the first 3 semesters
Computer Information Systems	BBA	121	MATH11010; COMM15000; MATH11012 OR MATH12002; ECON22060; ECON22061	S1: MATH11010 S2: MATH11012 or 12002; MIS24053 S3: MIS 24060
Music Technology - Music Production	BS	122	MATH11009; ECON22060	S1: MUS 11121, 12211, 21113; App. Studio, Major Ens., App. Music S2: MUS 11122, 12212, 21221; App. Studio, Major Ens., App. Music S3: MUS21222, 21341, 37111; App. Studio, Major Ens.
Music Technology - Audio Recording	BS	122	MATH11009; ECON22060	S1: MUS 11121, 12211, 21113; App. Studio, Major Ens., App. Music S2: MUS 11122, 12212, 21221; App. Studio, Major Ens., App. Music S3: MUS21222, 21341, 37111; App. Studio, Major Ens.
Visual Communication Design	BA	130	ARTH22006; ARTH22007	S1: VCD 13000 S2: VCD 13001, 20000 S3: VCD 20003, 22000, 23001
Visual Communication Design (2D Graphic Design)	BFA	136	ARTH22006; ARTH22007	S1: VCD 13000 S2: VCD 13001, 20000 S3: VCD 20003, 22000, 23001
Visual Communication Design (2D Graphic Design)	BS/MA	<i>By invitation; student will follow BFA program for first 96 hours</i>		
Visual Communication Design (3D Graphic Design)	BFA	136	ARTH22006; ARTH22007	S1: VCD 13000 S2: VCD 13001, 20000 S3: VCD 20003, 22000, 23001
Visual Communication Design (3D Graphic Design)	BS/MA	<i>By invitation; student will follow BFA program for first 96 hours</i>		
Aeronautics (Aeronautical Studies)	BS	124	MATH11010; GEOG17063; MATH11012; PHY 13011; PHY 13021; PHY 13012; PHY 13022; ECON22061; COMM15000	S1: MATH11010 S2: MATH11022 S3: MATH11012; PHY 13011, 13021
Aeronautics (Aeronautical Sys. Engineering Tech)	BS	129	MATH11010; GEOG17063; MATH12002; PHY 13011; PHY 13021; ECON22060; PHY 13012; PHY 13022; ECON22061; COMM15000	S1: MATH11010; TECH15000 S2: MATH11022; TECH15740 S3: MATH12002; PHY 13011, 13021
Aeronautics (Air Traffic Control)	BS	124	MATH11010; PHY 13011; PHY 13021; ECON22060; GEOG17063; MATH11012; PHY 13012; PHY 13022	S1: MATH11010; TECH15000, 15250 S2: MATH11022; TECH15740 S3: PHY 13011, 13021; TECH 25250
Aeronautics (Aviation Management)	BS	124	MATH11010; GEOG17063; ECON22060; MATH11012; PHY 13011; PHY 13021; ECON22061; PHY 13012; PHY 13022; COMM15000	S1: MATH11010; TECH10001, 15000 S2: MATH11022; TECH15740 S3: TECH 25250



Major	Degree	Minimum Hours for Graduation	Courses in this major that fulfill Kent Core requirements	Milestone Courses in the first 3 semesters
Aeronautics (Flight Technology)	BS	124	MATH11010; GEOG17063; COMM15000; PHY 13011; PHY 13021; ECON22060; MATH11012; PHY 13012; PHY 13022; ECON22061	S1: MATH11010; TECH15000 S2: MATH11022; TECH15740, 15742 S3: PHY 13011, 13021; TECH 25250, 25743
Industrial Technology (Computer and Electronics)	BS	123	MATH11010; COMM15000; CHEM10060; CHEM10062; MATH12002; PHY 23101; PHY 23102; ECON22060; ECON22061	S1: MATH11010; TECH10001 S2: CHEM10060, 10062; CS 10061; MATH11022; TECH20004 S3: MATH12002; PHY 23101
Industrial Technology (Industrial Technology 2+2)	BS	122	COMM15000; ECON22060; ECON22061; MATH12002; PHY 13001 AND PHY 13002 OR PHY 12201; PHY 13002 AND PHY 13022 OR PHY 12202	
Industrial Technology (Manufacturing Systems)	BS	123	COMM15000; ECON22060; MATH11010; CHEM10050; MATH12002; PHY 13001; PHY 13002	
Technology	BS	123	MATH11010; PSYC11762; ECON22060; PHY 13001; PHY 13021; PHY 12201; PHY 13002; PHY 13022; PHY 12202; COMM15000	S1: MATH11010; TECH13580, 10001 S2: MATH11022; TECH20002, 23581 S3: ENG 20002; PHY 13001 and 13021 or PHY 12201; MIS 24163; TECH11071, 20001
Technology (2+2 Computer Technology)	BS	121	ECON22060; ECON22061; COMM15000; MATH11010	
Technology (2+2)	BS	121	ECON22060; ECON22061; COMM15000; MATH11010	
Technology (Computer Design, Animation and Game Design)	BS	123	ARTH22006 OR ARTH22007; COMM15000; ECON22060; ECON22061; MATH11010; MATH11012; PHIL21002; PHY11030; PHY12001; SOC12050	
Technology (Construction Management)	BS	124	MATH11010; PSYC11762; COMM15000; ECON22060; MATH11012	S1: MATH11010; TECH10001, 22200 S2: MATH11022; TECH21071 S3: TECH21021, 31015
Technology (Electrical/Electronics)	BS	121	MATH11012 OR MATH12002; COMM15000; ECON22060; PHY13001 AND PHY 13021 OR PHY 12201 PLUS 1; PHY 13002 AND PHY 13022 OR PHY 12202 PLUS 1	
Technology (Manufact/Mechanical/System)	BS	121	MATH11012 OR MATH12002; ECON22060; ECON22061; COMM15000; PHIL21001; PHY13001 AND PHY 13021 OR PHY 12201 PLUS 1; PHY 13002 AND PHY 13022 OR PHY 12202 PLUS 1	