

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
<b>Semester One [16 Credits]</b>						
!	<b>CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming</b>	3		■		
	ECON 22060 Principles of Microeconomics <sup>1</sup>	3		■	KSS	
!	<b>MATH 12002 Analytic Geometry and Calculus I</b>	5	C	■	KMC	
	US 10097 Destination Kent State: First Year Experience <sup>2</sup>	1				
	Foreign Language <sup>3</sup>	4-5				
<b>Semester Two [15 Credits]</b>						
!	<b>MATH 12003 Analytic Geometry and Calculus II</b>	5	C	■		
!	<b>ECON 22061 Principles of Macroeconomics <sup>1</sup></b>	3		■	KSS	
	Foreign Language <sup>3</sup>	4-5				
	Kent Core Requirement	3				
<b>Semester Three [16 Credits]</b>						
!	<b>MATH 21001 Linear Algebra With Applications</b>	3	C	■		
!	<b>MATH 22005 Analytic Geometry and Calculus III</b>	4	C	■		
	ACCT 23020 Introduction to Financial Accounting <sup>1</sup>	3		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
<b>Semester Four [15 Credits]</b>						
!	<b>MATH 30055 Mathematical Theory of Interest</b>	3		■		
	FIN 36053 Business Finance <sup>1</sup>	3		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	General Electives <sup>5</sup>	3				
<b>Semester Five [15 Credits]</b>						
!	<b>FIN 36059 Investments <sup>1</sup></b>	3		■		
!	<b>MATH 40011 Introduction to Probability Theory and Applications</b>	3		■		
	Kent Core Requirement	3				
	Allied Area Electives <sup>4</sup>	3		■		
	General Electives <sup>5</sup>	3				
<b>Semester Six [15 Credits]</b>						
!	<b>MATH 40012 Introduction to Statistical Concepts</b>	3		■		
	Allied Area Electives <sup>4</sup>	3		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	General Electives <sup>5</sup>	3				
<b>Semester Seven [14 Credits]</b>						
!	<b>ECON 32050 Applied Econometrics <sup>1</sup></b>	3		■		
!	<b>MATH 40055 Actuarial Mathematics I</b>	4	C <sup>6</sup>	■	WIC/ELR	
	Kent Core Requirement	3				
	General Electives <sup>5</sup>	4				
<b>Semester Eight [14 Credits]</b>						
!	<b>MATH 40056 Actuarial Mathematics II</b>	4		■		
!	<b>MATH 40059 Stochastic Actuarial Models</b>	3		■		
	Allied Area Electives <sup>4</sup>	3		■		
	General Electives <sup>5</sup>	4				

### Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	42	36	2.000	2.000

1. These courses fulfill the Society of Actuaries VEE requirements.
2. 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
3. Fulfills College General Requirement.

4. Allied Area Electives (9 credits): must be approved by major advisor

Choose from the following:	
ACCT 3/4xxxx ACCT upper-division course* (1 - 9)	BMRT xxxxx BMRT courses (1 - 9)
BSCI 3/4xxxx BSCI upper-division courses (1 - 9)	BUS xxxxx BUS courses (1 - 9)
CHEM 3/4xxxx CHEM upper-division courses (1 - 9)	CS 3/4xxxx CS upper-division courses (1 - 9)
ECON 3/4xxxx ECON upper-division courses* (1 - 9)	FIN 3/4xxxx FIN upper-division courses (1 - 9)
GEOL 3/4xxxx GEOL upper-division courses (1 - 9)	MATH 3/4xxxx MATH upper-division courses (1 - 9)
MIS 3/4xxxx MIS upper-division courses (1 - 9)	PHY 3/4xxxx PHY upper-division (1 - 9)
PHIL 41035 Philosophy of Science (3)	PHIL 41038 Intermediate Logic (3)
PHIL 41045 Metalogic (3)	*Course may satisfy the professional achievement requirements (e.g., for Fellow status) set by the Society of Actuaries and the Casualty Actuarial Society.

5. Credits required depends on meeting minimum 120 credit hours and minimum 42 upper-division credit hours

6. A minimum C (2.000) grade must be earned to fulfill the writing-intensive requirement.

**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

Please read the sections in the University Catalog on [Kent Core](#), [diversity](#), [writing-intensive](#) and the [experiential learning requirements](#).