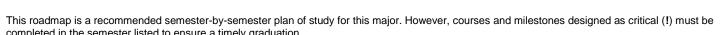
Roadmap: Mathematics - Bachelor of Science

AS-BS-MATH

College of Arts and Sciences **Department of Mathematical Sciences**

Catalog year: 2014-2015



Critical	Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Туре	Term Taken
Semest	er One [15 Credits]						
!	Computer Programming elective ¹	3 - 4					
!	MATH 12002 Analytic Geometry and Calculus I	5				KMC	
	US 10097 Destination Kent State: First Year Experience 2	1					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semest	er Two [16 Credits]						
!	MATH 12003 Analytic Geometry and Calculus II	5					
!	PHY 23101 General University Physics I	5			-	KBS	
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semest	er Three [17 Credits]	<u></u>					
!	MATH 21001 Linear Algebra With Applications	3					
!	MATH 22005 Analytic Geometry and Calculus III	4					
	Foreign Language ³	4 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semest	er Four [16 Credits]		1				
	Foreign Language ³	4 - 5					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Allied Area Electives ⁴	6					
Semest	er Five [15 Credits]						
!	MATH 41001 Introduction to Modern Algebra I ⁵	3		С		WIC	
	Allied Area Electives ⁴	3					
	General Elective ⁶	9					
Semest	er Six [15 Credits]					14/10	
!	MATH 41002 Introduction to Modern Algebra II 5	3	-	С		WIC	
!	MATH 41021 Theory of Matrices	3					
	Allied Area Electives ⁴	6					
2 1	Kent Core Requirement	3					
	er Seven [13 Credits]			0		WIO	
!	MATH 42001 Introduction to Analysis I ⁵	3	I	С		WIC	
	Allied Area Electives 4	3	=				
	CS or MATH elective (40000-level)	3			•		
	Kent Core Requirement General Elective ⁶	1					
Comoci		3					
Semest I	er Eight [13 Credits]	3		С		WIC	
!	MATH 42002 Introduction to Analysis II ⁵	3	-	C	-	WIC	
	CS or MATH elective (40000-level) General Elective ⁶	6			•		
	General Elective	4					

Graduation Requirements Summary

Minimum Total Hours		Minimum Upper-Division Hours		Minimum Kent Core Hours	Minimum		
Willing Total F	10urs	willimum opper-bivision nours		Willimum Kent Core Hours	Major GPA	Overall GPA	
120			42	36	2.000	2.000	

1. Computer Programming elective (3-4 credits)

Choose from the following:	
CS 10061 Introduction to Computer Programming (3)	CS 13001 Computer Science I-Programming and Problem Solving (4)
DSCI 15310 Computational Thinking and Programming (3)	

- 2. US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.
- 3. Fulfills College General Requirement
- 4. Allied Area Electives (18 credits): must be approved by major advisor

11 7 tilled 7 tiled 210 ct. 10 ct.					
Choose from the following:					
BSCI 3/4xxxx BSCI upper-division courses (1 - 18)	CHEM 3/4xxxx CHEM upper-division courses (1 - 18)				
CS 3/4xxxx CS upper-division courses (1 - 18)	ECON 3/4xxxx ECON upper-division courses (1 - 18)				
GEOL 3/4xxxx GEOL upper-division courses (1 - 18)	MATH 3/4xxxx MATH upper-division courses (1 - 18)				
MIS 3/4xxxx MIS upper-division courses (1 - 18)	PHY 3/4xxxx PHY upper-division (1 - 18)				
PHIL 41035 Philosophy of Science (3)	PHIL 41038 Intermediate Logic (3)				
PHIL 41045 Metalogic (3)					

- 5. A minimum C (2.000) grade must be earned in MATH 41001 or MATH 41002 or MATH 42001 or MATH 42002 to fulfill the writing-intensive requirement.
- 6. Credits required depends on meeting minimum 120 credit hours and minimum 42 upper-division credit hours



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University Requirements Summary

Туре	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
KIVIC	Kent Core II. Mathematics and Critical Reasoning Enrollment based on placement test	MATH 12002	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
	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 23101	1
KAD	Kent Core VIII. Additional May fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	6
	Domestic Diversity Course Requirement Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
	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	visit www.kent.edu/catalog/elr	one course or activity
	Writing-Intensive Course Requirement Minimum C (2.000) grade	MATH 41001, MATH 41002, MATH 42001, MATH 42002	fulfilled