

[AS-BS-AMTH-CMTH]

College of Arts and Sciences Department of Mathematical Sciences Catalog Year: 2010-2011

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.

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Credit Hours	Upper Division	Min. Grade	Important Notes
5			Fulfills Kent Core Mathematics and Critical Reasoning
4			Fulfills Kent Core Additional
1			Not required of transfer students with 25 credits
6			See Kent Core Summary on page 2
5			
4			
6			See Kent Core Summary on page 2
3			
3			
5			Fulfills Kent Core Basic Sciences
3			See Kent Core Summary on page 2
3			
3			
5			Fulfills Kent Core Basic Sciences
3			See Kent Core Summary on page 2
3	•		
3	•		Both courses are required; take whichever course is offered within this semester
4-5			
5			See Kent Core Summary on page 2
3	•		Offered in spring only
3	•	С	Both courses are required; take whichever course is offered within this semester; MATH 42091 fulfills writing-intensive course requirement
4-5			
6	•		
3	•		
3	_		Select course not taken earlier
6			See note on page 2
3			
	5 4 1 6 5 4 6 3 3 3 5 3 3 4-5 5 3 4-5 6	Credit Hours Upper Division 5 4 1 6 5 4 4 6 3 3 3 3 3 3 3 3 4-5 5 5 3 3 4-5 6 4-5 7 10 </td <td> Hours Division Grade 5</td>	Hours Division Grade 5



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Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
Semester Eight: [16 Credit Hours]				
MATH 40012 Introduction to Statistical Concepts	3	-		
MATH 42091 Seminar: Modeling Projects or MATH 42202 Introduction to Numerical Computing II	3			Select course not taken earlier; MATH 42091 fulfills writing-intensive course requirement
Allied Area Elective (upper division)	3			See note below
General Electives (lower or upper division)	7			Number of credits required depends on meeting minimum 121 credit hours and minimum 42 upper-division credit hours

Graduation Requirements Summary

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Minimum	Minimum Upper-	Minimum	Diversity Course	Writing-Intensive	Minimum		
Total Hours	Division Hours	Kent Core Hours	Global / Domestic	vviiling-intensive	Major GPA	Overall GPA	
121	42	36*	Kent Core or General Electives	MATH 42091	2.0	2.0	

^{*} In addition to the Kent Core, the College of Arts and Sciences requires for all its BS programs a minimum 8 credit hours of a foreign language.

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Additional (6 credit hours) Must be selected from two Kent Core categories	4 credits fulfilled in this major with CS 10051; may fulfill diversity requirement	2
Basic Sciences (6-7 credit hours) Must include one laboratory	Fulfilled in this major with PHY 23102 and PHY 23102	0
Composition (6-8 credit hours) ENG 11011, 11002, 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 diversity requirement	9
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 12002	0
Social Sciences (6 credit hours) Must be selected from two curricular areas	May fulfill diversity requirement	6

Note: Allied area electives: approved by the major advisor from approved upper-division courses for majors in the following:

BSCI upper-division courses	1-9	MATH upper-division courses	1-9
CHEM upper-division courses	1-9	PHY upper-division courses	1-9
CS upper-division courses	1-9		

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.

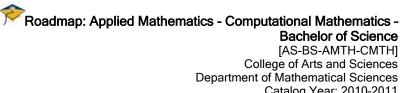
Writing-Intensive Course Requirement

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.





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Foreign Language

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

