

Four Year Model Plan of Study for a Major in Mathematics and Computer Science 2009-2010

First Year			
Fall Semester		Spring Semester	
Engl 160	3 hours	Engl 161	3 hours
Math 180 ¹	5 hours	Math 181	5 hours
Foreign Language	4 hours	Foreign Language	4 hours
General Education Requirement Course	3 hours	MCS 260	4 hours
Total	15 hours	Total	16 hours
Second Year			
Fall Semester		Spring Semester	
Math 210	3 hours	Math 310 or 320 ³	3 hours
Math 215	3 hours	MCS 275	4 hours
Phys 141, Chem 112, Bios 100, or Chem 116 ²	4-5 hours	Phys 142, Chem 114, Bios 101, or Chem 118 ²	4-5 hours
Foreign Language	4 hours	Foreign Language	4 hours
General Education Requirement Course	3 hours		
Total	17-18 hours	Total	15-16 hours
Third Year			
Fall Semester		Spring Semester	
Math 300	1 hour	Math, MCS or Statistics Elective ⁴	3 hours
MCS 360 or 320	3-4 hours	General Education Requirement Course	3 hours
General Education Requirement Course	3 hours	General Education Requirement Course	3 hours
General Education Requirement Course	3 hours	Electives	6 hours
General Education Requirement Course	3-4 hours		
Total	13-15 hours	Total	15 hours
Fourth Year			
Fall Semester		Spring Semester	
Math, MCS or Statistics Elective ⁴	3 hours	Math, MCS or Statistics Elective ⁴	3 hours
Math, MCS or Statistics Elective ⁴	3 hours	Electives	12 hours
General Education Requirement Course/Elective	3 hours		
Electives	6 hours		
Total	15 hours	Total	15 hours

1. Math 180 satisfies the LAS Quantitative Reasoning Requirement.

2. Students must choose a sequence of Physics 141 and 142, Chem 112 and 114, Bios 100 and 101, or Chem 116 and 118. These hours will also count toward the LAS Analyzing the Natural World requirement.

3. Students interested in taking Math 330 as an MCS elective should take Math 320.

4. Four electives chosen from mathematics, statistics and mathematical computer science courses related to computer science numbered 200 or higher, with the exception of Math 205. At least 6 hours must be at the 400 level, excluding Math 496, Stat 496 and MCS 496 for the first 6 hours.

Note: Students must earn at least 40 hours at the 200, 300, or 400-level at a 4-year college or university. These hours may include hours in the major.

Note: Beginning fall 2007, the General Education Requirement is 9 courses, 2 laboratory courses from Analyzing the Natural World, 1 course from each of Understanding the Individual and Society, Understanding the Past, Understanding the Creative Arts, Exploring World Cultures, and Understanding U.S. Society. 2 additional courses will be taken from any of these categories.