

Four Year Curriculum Plan Template, Catalog Term: Fall 2011
Major: SM30 - BS, Applied Mathematics

Select Catalog term to view: Fall 2011

Year One			
Fall Semester		Spring Semester	
Composition: ENG101 English Composition I (or equivalent) - or ENG200H in Fall 2	3 hours	MTH230 Calculus/Analytic Geom II	4 hours
FYS 100: FYS100 First Year Seminar	3 hours	Communication: CMM103 Fund Speech-Communication - or CMM 104H	3 hours
CT Designated Course: MTH 229*	5 hours	MultiCult or Int:	3 hours
Fine Arts: ART 112, MUS 142 or THE 112	3 hours	Social Science:	3 hours
		CT Designated Course: Critical Thinking (CT)	3 hours
Recommended Hours:	14 hours	Recommended Hours:	16 hours
Year Two			
Fall Semester		Spring Semester	
MTH231 Calculus/Analytic Geom III	4 hours	MTH300 Intro to Higher Math	4 hours
Composition: ENG201 Advanced Composition - or ENG200H	3 hours	Humanities:	3 hours
Phys or Nat Science:	4 hours	Physical or Natural Science	3 hours
Elective (Should be used toward 2nd major, or minor)***	3 hours	Elective (Should be used toward 2nd major, or minor)***	3 hours
		Elective (Should be used toward 2nd major, or minor)***	3 hours
Recommended Hours:	14 hours	Recommended Hours:	16 hours
Year Three			
Fall Semester		Spring Semester	
MTH331 Linear Algebra	4 hours	Writing Intensive:	3 hours
Physical or Natural Science	3 hours	Literature	3 hours
MTH Sequence I**	3 hours	MTH Sequence I**	3 hours
Elective (Should be used toward 2nd major, or minor)***	3 hours	MTH Elective***	3 hours
Elective (Should be used toward 2nd major, or minor)***	3 hours	Physical or Natural Science	3 hours
Recommended Hours:	16 hours	Recommended Hours:	15 hours
Year Four			
Fall Semester		Spring Semester	
Writing Intensive:	3 hours	Capstone: MTH491 Senior Seminar	2 hours
MTH Sequence II**	3 hours	MTH Elective***	3 hours
Elective (Should be used toward 2nd major, or minor)***	3 hours	MTH Sequence II**	3 hours
MTH Elective***	3 hours	Elective (Should be used toward 2nd major, or minor)***	3 hours
MTH Elective***	3 hours	Elective (Should be used toward 2nd major, or minor)***	3 hours
Recommended Hours:	15 hours	Recommended Hours:	14 hours
Other Requirements:			
Minimum Number of Hours to Graduate:	120		
Minimum GPA to Graduate:	2.0 (a minimum of 40 upper level hours)		
Other:			
*If the MTH ACT score is less than 21, students take MTH 098 <i>and/or</i> MTH 099 <i>then</i> MTH 127 <i>then</i> MTH 132 <i>then</i> MTH 229 based on placement; if the MTH ACT score is 19 or 20, students take MTH 127 <i>then</i> MTH 132 <i>then</i> MTH 229; if the MTH ACT score is 21 to 23, students take MTH 130 <i>then</i> MTH 132 <i>then</i> MTH 229; if the MTH ACT score is 24 to 26, students take MTH 132 <i>then</i> MTH 229; if the MTH ACT score is 27 or greater, students take MTH 229.			
**Approved Applied Mathematics Sequences			
1. MTH 335 and 415 or 416			
2. MTH 443 and 411 or 442			
3. MTH 445 and 446			
4. MTH 460 and 461			
***Depends on other majors and/or minors a student completes for graduation. No electives are required with an outside second major. Two (2) electives are required with an outside minor. Four electives are required for a double Mathematics and Applied Mathematics major. Elective can be chosen from: MTH 335, 405, 411, 415, 427, 428, 430, 431, 440, 442, 443, 445, 446, 448, 449, 450, 452, 455, 460, or 461. Mathematic electives cannot count toward both the MTH Sequences and the elective requirements.			
NOTES:			
1. A minimum of 120 hours with 40 credit hours at the 300 - 499 level is required for graduation.			
2. Core I courses include 3 hours of First Year Seminar (FYS) and 6 hours of Critical Thinking. Core II requires a minimum of 25 hours of 100 - 200 level courses including 6 hours of English Composition; 4 hours of Natural or Physical Science; and 3 hours of Communication, Fine Arts, Humanities, Mathematics, and Social Sciences. The College of Science requires 3 hours of Calculus which satisfies the Core II Mathematics requirement, Literature, 8 additional hours of Natural or Physical Science, and 40 hours of upper level credit.			

3. Students are required to complete a minor degree program outside the Department of Chemistry. Consult catalog for discipline specific requirements. Note that students double majoring are not required to have a minor.
4. Coursework listed as Elective may vary for each student. Students are strongly encouraged to use elective hours toward a 2nd major, minor or certificate program. Depending on the path chosen, students may not have electives because programs vary in length and minors range from 12 to 18 hours. Students should see advisors in S213/214 to select a path leading to completion of the program selected. These selections must be approved.
5. Students are strongly encouraged to select courses that meet two or more Core or College requirements. For example, a writing intensive literature course could satisfy the College of Science literature requirement as well as the Core II writing intensive requirement or an international or multicultural social science course could satisfy both the international or multicultural Core II requirement as well as the social science Core II requirement. See course attributes each semester for courses that meet two or more Core or College requirements.
6. If students follow this graduation plan and do not withdraw or fail classes, or change majors, they can graduate in four academic years. It is not necessary to take the courses in the specific order shown, however if students deviate from the courses approved in the mandatory advising sessions each semester, students may not be able to graduate in four years in accordance with the graduation plan.
7. Course offerings are subject to change semesters. Please consult each semesters schedule of courses for availability.