

Four Year Curriculum Plan Template, Catalog Term: Fall 2011**Major: SB40 - BS, Microbiology**

Select Catalog term to view: Fall 2011

Year One				
Fall Semester			Spring Semester	
BSC120 Principles of Biology	4 hours		BSC121 Principles of Biology	4 hours
FYS 100: FYS100 First Year Seminar	3 hours		Communication: CMM103 Fund Speech-Communication - or CMM 104H	3 hours
Mathematics: MTH140 (3 hrs) or MTH229 (5 hrs)*	3-5 hours		Mathematics: MTH122 Plane Trigonometry - if MTH 140* is taken or 2nd major, minor, certificate, or free elective	3 hours
CT Designated Course: Critical Thinking (CT)	3 hours		Social Science: CT Designated Course: Critical Thinking (CT)	3 hours 3 hours
Recommended Hours:	13/15 hours		Recommended Hours:	16 hours
Year Two				
Fall Semester			Spring Semester	
CHM211 Principles of Chemistry I	3 hours		CHM212 Principles Chemistry II	3 hours
CHM217 Principles of Chem Lab I	2 hours		CHM218 Principles of Chem Lab II	2 hours
Composition: ENG101 English Composition I (or equivalent) - or ENG200H for Spring 2	3 hours		Composition: ENG201 Advanced Composition - or ENG200H	3 hours
Fine Arts: ART 112, MUS 142 or THE 112	3 hours		MultiCult or Int:	3 hours
Elective (Can be used toward 2nd major, minor, or certificate)	1 hours		BSC Required Major Course***	4 hours
BSC Required Core Course**	4 hours		Elective (Can be used toward 2nd major, minor, or certificate)	1 hours
Recommended Hours:	16 hours		Recommended Hours:	16 hours
Year Three				
Fall Semester			Spring Semester	
CHM355 Organic Chemistry I	3 hours		CHM356 Organic Chemistry II	3 hours
PHY201 General Physics	3 hours		CHM361 Intro Organic Chm Lab	3 hours
PHY202 General Physics Lab	1 hours		PHY203 General Physics	3 hours
Humanities:	3 hours		PHY204 General Physics Lab	1 hours
BSC Required Major Course***	3-4 hours		BSC Required Major Course***	4 hours
Elective (Can be used toward 2nd major, minor, or certificate)	1 hours			
Recommended Hours:	14/15 hours		Recommended Hours:	14 hours
Year Four				
Fall Semester			Spring Semester	
Writing Intensive:	3 hours		Capstone: BSC491 Capstone Experience	2 hours
BSC Required Major Elective****	6-8 hours		Writing Intensive:	3 hours
Elective (Can be used toward 2nd major, minor, or certificate)	1 hours		Literature	3 hours
BSC Required Major Course***	5 hours		BSC Required Major Elective****	4 hours
			BSC Required Major Course***	4 hours
Recommended Hours:	15/17 hours		Recommended Hours:	16 hours
Other Requirements:				
Minimum Number of Hours to Graduate:	120/125			
Minimum GPA to Graduate:	2.0 (a minimum of 40 upper level hours)			
Other:				
*If the MTH ACT score is less than 20, students take MTH 098 or MTH 099 then MTH 127 then 122 then 140 based on placement; if the MTH ACT score is 20, students take MTH 127 then MTH 122 then MTH 140; if the MTH ACT score is 21 to 23, students take MTH 130 then MTH 122 then MTH 140; if the MTH ACT score is 24 to 26, students take MTH 140 then MTH 122; if the MTH ACT score is 27 or greater, students may take MTH 140 and MTH 122 or MTH 229.				
**BSC 300 - 499 Required Core Courses. Choose 1 of 2 - BSC 320 or 322.				
***BSC 300 - 499 Required Major Courses: BSC 302, 304, 324, 365, and 443.				
****Choose at least 11 hours from the following BSC major electives: BSC 417, 418, 424, 438, 440, 445, 446, 448, 481, 483, the fourth core course (320 or 322) and special topics (permission required).				
NOTES:				
1. Completion of the CHM requirements listed above provides a minor in Chemistry.				
2. A minimum of 120 hours with 40 credit hours at the 300 - 499 level is required for graduation.				

3. 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.
4. Students are required to complete a minor degree program outside the Department of Biology. Consult catalog for discipline specific requirements. Note that students double majoring are not required to have a minor.
5. Coursework listed as 2nd major, minor, certificate, or 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.
6. 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.
7. 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.
8. Course offerings are subject to change semesters. Please consult each semesters schedule of courses for availability.
9. See the [Pre-Professional website](#) for more information on course selections.