

Four Year Curriculum Plan Template, Catalog Term: Fall 2011
Major: SC70 - BS, Environmental Chemistry

Select Catalog term to view: Fall 2011

Year One			
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
FYS 100: FYS100 First Year Seminar	3 hours	Composition: ENG101 English Composition I (or equivalent) - or ENG200H in Fall 2	3 hours
Mathematics: MTH 140 (3 hrs) or 229 (5 hrs)*	3-5 hours	Mathematics: MTH122 Plane Trigonometry - if MTH 140 is taken or Elective (Elective can be used toward 2nd major, minor, or certificate)	3 hours
CT Designated Course:	3 hours	Social Science:	3 hours
		CT Designated Course:	
Recommended Hours:	14/16 hours	Recommended Hours:	14 hours
Year Two			
Fall Semester		Spring Semester	
BSC120 Principles of Biology	4 hours	CHM356 Organic Chemistry II	3 hours
CHM355 Organic Chemistry I	3 hours	CHM361 Intro Organic Chm Lab	3 hours
PHY201 General Physics	3 hours	PHY203 General Physics	3 hours
PHY202 General Physics Lab	1 hours	PHY204 General Physics Lab	1 hours
Composition: ENG201 Advanced Composition - or ENG200H	3 hours	CT Designated Course:	3 hours
MultiCult or Int:	3 hours	BSC 320**	4 hours
Recommended Hours:	17 hours	Recommended Hours:	17 hours
Year Three			
Fall Semester		Spring Semester	
CHM305 Chemical Info Retr/Sci Ethics	1 hours	CHM307 Intro Physical Chemistry	4 hours
CHM365 Introductory Biochemistry	3 hours	Communication: CMM103 Fund Speech-Communication - or equivalent	3 hours
Writing Intensive:	3 hours	Literature Elective	3 hours
GEO 416 or GEO 422	3 hours	300 - 499 level Environmental Science Elective***	4 hours
300 - 499 level Environmental Science Elective***	4 hours	300 - 499 level Statistics (BSC 417 or IST 424 or MTH 345) \$	3 hours
Recommended Hours:	14 hours	Recommended Hours:	17 hours
Year Four			
Fall Semester		Spring Semester	
CHM423 Environ Analytical Chemistry	4 hours	CHM411 Modern Instrument Methods	4 hours
GLY200 Physical Geology	3 hours	CHM432 Chemistry Seminar	0 hours
Writing Intensive:	3 hours	Humanities:	3 hours
Capstone: CHM491	2 hours	Fine Arts: ART112, MUS142, or THE112	3 hours
IST 322 \$	4 hours	BSC 445**	4 hours
		IST 323 \$	4 hours
Recommended Hours:	16 hours	Recommended Hours:	18 hours
Other Requirements:			
Minimum Number of Hours to Graduate:	127/129		
Minimum GPA to Graduate:	2.0 in all required CHM courses and all CHM courses taken at MU		
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.			
**Completion of the BSC requirements listed above provides a minor in Biological Sciences.			
***Approved Environmental Science Electives: BSC 431, 446; CHM 467; GLY 320L, 420, 455, 455L, 456, 456L; IST 320, 321; or PHY 412. Students should choose a maximum of two departments. Students wishing a physical science emphasis may take all the Geology electives and not take either BSC 445 or IST 323.			
\$Completion of IST 322, 323, and 424 provides a minor in Integrated Science and Technology.			
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.
8. See the [Pre-Professional website](#) for more information on course selections.