

B.A. in Chemistry

Code	Title	Semester Hours
St. Mary's University Core ¹		
SMC 1301	Foundations of Civilization	3
SMC 1311	Foundations of Reflection:Self	3
SMC 1312	Foundations of Reflection: Nature	3
SMC 1313	Foundations of Reflection: Others	3
SMC 1314	Foundations of Reflection: God	3
SMC 2301	Foundations of Practice: Ethics	3
SMC 2302	Foundations of Practice: Civic Engagement and Social Action	3
SMC 2303	Foundations of Practice:Fine Arts and Creative Process	3
SMC 2304	Foundations of Practice: Literature	3
SMC 4301	Capstone Seminar: Prospects for Community & Civilization	3
School of Science, Engineering, and Technology Specific Core		
Speech		3
Select one of the following:		
CM 1341	Fundamentals of Oral Communication	
CM 2333	Business and Professional Communication	
CM 3391	Argumentation and Debate	
Rhetoric & Composition ²		3
EN 1311	Rhetoric and Composition	
Foreign Languages		6
Select one of the following:		
6 hours of Second Year level (2311, 2312) in a language in which the student has prior knowledge or training, meaning he/she speaks the language or took it in high school		
6 hours of Introductory level (1311, 1312) in which he/she has no prior training or knowledge		
12 hours of CLEP/AP credit		
Social Science		3
Select one of the following:		
Any HS course		
BA 1310	Fundamentals of Business Enterprise	
CJ 1301	Introduction to Criminal Justice	
CJ 3300	Adjudication of Social Issues	
EC 2301	Introductory Macroeconomic Theory	
EC 2303	Introductory Microeconomic Theory	
MN 3330	Organizational Behavior	
PO 1311	American National Government	
PO 1312	Texas State & Local Government	
PO 1314	Introduction to Global Affairs	
PS 1301	General Psychology	
PS 3386	Human Factors	
SC 1311	Introductory Sociology	
SC 3321	Social Issues	
HU 3300	Perspectives and Themes in History, Philosophy and/or Theology	
HU 3303	Perspectives and Themes in Social Science	
Theology		3
Select one of the following:		
Advanced Theology TH 33XX/43XX		
HU 3300	Perspectives and Themes in History, Philosophy and/or Theology	
Fine Arts/Literature		3

Select one AR, DM, MU or any EN 23XX literature course

BA Chemistry Major Courses

CH 1401	General Chemistry I	4
CH 1402	General Chemistry II	4
CH 3411	Organic Chemistry I	4
CH 3412	Organic Chemistry II	4
CH 3423	Analytical Chemistry	4
CH 3424	Instrumental Analysis	4
CH 3433	Physical Chemistry I	4
CH 3434	Intermediate Physical Chemistry	4
MT 1411	Precalculus	4
MT 2412	Calculus I	4
MT 2413	Calculus II	4
PY 1401	General Physics I	4
PY 1402	General Physics II	4

Electives

An elective can be any course taken from any discipline. The advanced Chemistry and advanced Physics Electives may be selected from any junior and senior level science courses. 18

Proficiency in Information Technology and Information Literacy

For this major, this requirement will be fulfilled by successfully completing CH 1401 and CH 1402 with a grade of "C" or higher.

Total Semester Hours 121

¹ All St. Mary's Core SMC 13XX "Reflection" courses must be completed before registering for SMC 23XX "Practice" courses.

² Grade of "C" or better is required. International students may be required to take EN 1313 to fulfill this requirement.

This is a recommended degree plan subject to changes. Please meet with your adviser on a regular basis.

First Year

Fall	Semester Spring Hours	Semester Hours
SMC 13XX	3 SMC 13XX	3
Speech	3 SMC 13XX	3
MT 1411	4 SMC 13XX	3
CH 1401	4 EN 1311	3
ND 0101	0 CH 1402	4
	14	16

Second Year

Fall	Semester Spring Hours	Semester Hours
Fine Arts/Literature	3 SMC 13XX	3
MT 2412	4 MT 2413	4
PY 1401	4 PY 1402	4
CH 3411	4 CH 3412	4
	15	15

Third Year

Fall	Semester Spring Hours	Semester Hours
SMC 23XX	3 SMC 23XX	3
History/Social Science	3 SMC 23XX	3
Foreign Language	3 Foreign Language	3
CH 3423	4 CH 3424	4
Elective	3 Elective	3
	16	16

Fourth Year

Fall	Semester Spring Hours	Semester Hours
SMC 23XX	3 SMC 4301	3
CH 3433	4 Advanced Theology	3
Elective	3 CH 3434	4
Elective	3 Elective	3
Elective	3	
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	16	13
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Total Semester Hours 121		