

# B.A. in Chemistry with Teacher Certification

Code	Title	Semester Hours
<b>St. Mary's University Core <sup>1</sup></b>		
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
<b>School of Science, Engineering, and Technology Specific Core</b>		
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 <sup>2</sup>		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		
History/Social Science		3
ED 3330	Teaching Diverse Populations	
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		
<b>B.A. Chemistry Major Courses</b>		
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
<b>Professional Development Courses</b>		

ED 3302	The American Secondary School	3
ED 3350	Reading-- Teaching Reading in the Secondary Content Areas	3
ED 3361	Adolescent Development in the School Setting	3
ED 3362	Teaching-Learning and Secondary Methods	3
ED 4388	Professional Development Seminar-Secondary	3
ED 4689	Student Teaching-Secondary	6

**Proficiency in Information Technology and Information Literacy**

For this major, this requirement will be fulfilled by successfully completing CH 1401 and CH 1402, or ED 3302 with a grade of "C" or higher.

Total Semester Hours 124

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

<sup>2</sup> 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
Foreign Language	3 SMC 13XX	3
MT 1411	4 EN 1311	3
CH 1401	4 Foreign Language	3
ND 0101	0 CH 1402	4
	14	16

**Second Year**

Fall	Semester Spring Hours	Semester Hours
SMC 13XX	3 SMC 13XX	3
Speech	3 MT 2413	4
MT 2412	4 PY 1402	4
PY 1401	4 CH 3412	4
CH 3411	4	
	18	15

**Third Year**

Fall	Semester Spring Hours	Semester Hours
SMC 23XX	3 SMC 23XX	3
SMC 23XX	3 CH 3424	4
CH 3423	4 CH 3434	4
CH 3433	4 ED 3330	3
ED 3302	3 ED 3361	3
	17	17

**Fourth Year**

Fall	Semester Spring Hours	Semester Hours
SMC 23XX	3 ED 4388	3
SMC 4301	3 ED 4689	6
Fine Arts/Literature	3	
Advanced Theology	3	
ED 3362	3	
ED 3350	3	
	18	9

Total Semester Hours 124

Minors in Chemistry and Biology require 20 credit hours while minors in Computer Science and Environmental Science require 18 credit hours.