

Curriculum Guide			
Major: Chemistry – Option II – General Chemistry <sup>1</sup> (B.A.)			
2012-2013			
First Year		Second Year	
Semester 1	Semester 2	Semester 1	Semester 2
ENGL 1301 3 hrs.	ENGL 1302*/2311* 3 hrs.	MATH 2414* 4 hrs.	CHEM 2525* (SP) 5 hrs.
MATH 1316*/2412*/ <sup>2</sup> 3-4 hrs.	MATH 2413* 4 hrs.	CHEM 2523* (FA) 5 hrs.	CORE 80 <sup>C</sup> 3 hrs.
CHEM 1411* 4 hrs.	CHEM 1412* 4 hrs.	CORE 60 <sup>C</sup> 3 hrs.	BA requirement 3 hrs.
CORE 60 <sup>C</sup> 3 hrs.	CORE 11 <sup>C</sup> 3 hrs.	CORE 70 <sup>C</sup> 3 hrs.	CORE 40 <sup>C</sup> 3 hrs.
CORE 90 <sup>C</sup> 1-3 hrs.	CORE 50 <sup>C</sup> 3 hrs.		
14-17 hrs.	17 hrs.	15 hrs.	14 hrs.
Third Year		Fourth Year	
Semester 1	Semester 2	Semester 1	Semester 2
CHEM 3511* (FA) 5 hrs.	PHYS 1402*/2426* (SP) 4 hrs.	CHEM <sup>4</sup> 4-5 hrs.	CHEM <sup>4</sup> 4-5 hrs.
PHYS 1401*/2425* (FA) 4 hrs.	CHEM <sup>4</sup> 4-5 hrs.	Adv. Elective <sup>3</sup> 3 hrs.	Adv. Elective <sup>3</sup> 3 hrs.
CORE 70 <sup>C</sup> 3 hrs.	BA requirement 3 hrs.	Adv. Elective <sup>3</sup> 3 hrs.	BA requirement (lang.) 3-4 hrs.
Adv. Elective <sup>3</sup> 3 hrs.	Adv. Elective <sup>3</sup> 1-3 hrs.	BA requirement (lang.) 3-4 hrs.	MPS 4370* 3 hrs.
	Adv. Elective <sup>3</sup> 3 hrs.		
15 hrs.	15-18 hrs.	13-15 hrs.	13-15 hrs.
<p>* Indicates prerequisite(s).</p> <p><sup>C</sup> See degree checklist for options.</p> <p>♦ Total degree hours must be 120; course may be required if degree hours are not otherwise accounted for.</p> <p>FA=Fall only</p> <p>SP=Spring only</p> <p><i>NOTE: Course scheduling/rotation notes are not definitive and should be used for general planning purposes only. A number of factors can influence when courses are offered. Students should always seek the advice of their academic advisor before scheduling classes.</i></p>			

#### PREREQUISITE NOTES:

**CHEM 1411:** MATH 1314/1324

**CHEM 1412:** CHEM 1411

**CHEM 2523:** CHEM 1412

**CHEM 2525:** CHEM 2523

**CHEM 3511:** CHEM 1412

**ENGL 1302/2311:** ENGL 1301

**MATH 1316:** MATH 1314 or 1324

**MATH 2412:** MATH 1314, ACT score of 24 or SAT 560 or above on math section

**MATH 2413:** MATH 1316 or 2412, or ACT score of 27 or SAT 620 or above on math section

**MATH 2414:** MATH 2413

**MPS 4370:** senior status and consent of instructor

**PHYS 1401:** MATH 1314, MATH 1324 or a mathematics course for which one of these courses is a prerequisite

**PHYS 2425:** MATH 2413 or concurrent enrollment

**PHYS 1402:** PHYS 1401

**PHYS 2426:** PHYS 2425 and MATH 2414 or concurrent enrollment in MATH 2414

#### ADDITIONAL NOTES:

<sup>1</sup>This option provides a background for students whose career goals are to enter education or chemistry-related fields.

<sup>2</sup>MATH 2412 is recommended over MATH 1316 for this degree plan.

<sup>3</sup>Advanced electives must be selected from: chemistry, mathematics, biology, computer science, physics, environmental science or geology.

<sup>4</sup>Choose three courses from: CHEM 3521, 3522, 4411, 4323/4223L, 4324/4224L, or 4431 (for a list of prerequisites, see catalog).