

Curriculum Guide							
Major: Chemistry – Option II – General Chemistry ¹ (B.S.)							
2013-2014							
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*/ ²	3-4 hrs.	MATH 2413*	4 hrs.	CHEM 2523* (FA)	5 hrs.	CORE 70 ^C	3 hrs.
CHEM 1411*	4 hrs.	CHEM 1412*	4 hrs.	CORE 60 ^C	3 hrs.	Elective	3-4 hrs.
CORE 60 ^C	3 hrs.	CORE 11 ^C	3 hrs.	CORE 70 ^C	3 hrs.	CORE 40 ^C	3 hrs.
CORE 90 ^C	1-3 hrs.	CORE 50 ^C	3 hrs.				
14-17 hrs.		17 hrs.		15 hrs.		14-15 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 ³	4-5 hrs.	CHEM ³	4-5 hrs.
PHYS 1401*/2425* (FA)	4 hrs.	CHEM ³	4-5 hrs.	Adv. Elective	3 hrs.	Elective (may need to be advanced)	3 hrs.
Adv. Elective	3 hrs.	BS Requirement	3 hrs.	Adv. Elective	3 hrs.	MPS 4370*	3 hrs.
Adv. Elective	3 hrs.	Adv. Elective	3 hrs.	CORE 80 ^C	3 hrs.	Elective	3-4 hrs.
				Elective	1-4 hrs.		
15 hrs.		14-15 hrs.		14-16 hrs.		13-15 hrs.	
<p>* Indicates prerequisite(s). ^C See degree checklist for options. ♦Total degree hours must be 120; course may be required if degree hours are not otherwise accounted for. FA=Fall only 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:

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

²MATH 2412 is recommended over MATH 1316 for this degree plan

³Choose three courses from: CHEM 3521, 3522, 4411, 4323/4223L, 4324/4224L, or 4431 (For a list of prerequisites, see catalog.)