Curriculum Guide Major: Chemistry – Option I – Professional Chemistry ¹ (B.A.) 2012-2013						
First Year			Second Year			
	Semester 2		Semester 1		Semester 2	
4 hrs. 3 hrs. 1-3 hrs.	MATH 2413* CHEM 1412*	4 hrs. 4 hrs. 3 hrs.	CHEM 2523* (FA)	5 hrs. 3 hrs. 3 hrs.	CORE 40 ^c CORE 50 ^c	5 hrs. 3 hrs. 3 hrs. 3 hrs.
-17 hrs.		14 hrs.		15 hrs.		14 hrs.
Third Year			Fourth Year			
	Semester 2		Semester 1		Semester 2	
5 hrs. 4 hrs.	PHYS 2426* (SP) BA requirement	4 hrs.	CHEM 4431* (FA odd yrs) CHEM 4223L* (FA) CORE 70 ^C	4 hrs. 2 hrs. 3 hrs.	CHEM 4411* (SP ev. yrs.)	3 hrs. 4 hrs. 3-4 hrs. 3 hrs.
1	First 3 hrs. 3-4 hrs. 3 hrs. 1-3 hrs. 1-7 hrs. 17 hrs. 5 hrs. 5 hrs. 4 hrs. 4 hrs.	Major: Chemistry – Opti First Year Semester 2 3 hrs. ENGL 1302*/2311* 3-4 hrs. MATH 2413* 4 hrs. CHEM 1412* 3 hrs. CORE 11° 1-3 hrs. CORE 11° 17 hrs. Semester 2 5 hrs. CHEM 3522* (SP odd yrs) 5 hrs. CHEM 3522* (SP odd yrs) 9 hrs. BA requirement 3 hrs. PHYS 3095	Major: Chemistry – Option I – 2012 First Year Semester 2 3 hrs. ENGL 1302*/2311* 3 hrs. 3-4 hrs. ENGL 1302*/2311* 3 hrs. 3-4 hrs. MATH 2413* 4 hrs. 4 hrs. CHEM 1412* 4 hrs. 3 hrs. CORE 11 ^C 3 hrs. 1-3 hrs. CORE 11 ^C 3 hrs. 17 hrs. 14 hrs. 14 hrs. Third Year Semester 2 5 hrs. CHEM 3522* (SP odd yrs) 5 hrs. PHYS 2426* (SP) 4 hrs. BA requirement 3 hrs. a hrs.	Major: Chemistry – Option I – Professional Chemistr 2012-2013 First Year Semester 2 Semester 1 3 hrs. SIGL 1302*/2311* 3 hrs. MATH 2414* 3-4 hrs. ENGL 1302*/2311* 3 hrs. MATH 2414* 4 hrs. CHEM 1412* 4 hrs. CHEM 2523* (FA) 5 hrs. CORE 11° 3 hrs. CORE 60° 1-3 hrs. CORE 11° 3 hrs. CORE 70° 1-7 hrs. 14 hrs. CORE 70° CORE 70° 17 hrs. 14 hrs. CHEM 3522* (SP odd yrs) 5 hrs. 5 hrs. CHEM 3522* (SP odd yrs) 5 hrs. CHEM 4323* (FA) 5 hrs. PHYS 2426* (SP) 4 hrs. CHEM 4323* (FA) 5 hrs. BA requirement 3 hrs. CHEM 4223L* (FA) 5 hrs. PHYS 3095 2 hrs. CORE 70°	Major: Chemistry – Option I – Professional Chemistry ¹ (B./2012-2013) First Year Secon Semester 2 Semester 1 3 hrs. ENGL 1302*/2311* 3 hrs. 3-4 hrs. ENGL 1302*/2311* 3 hrs. 4 hrs. CHEM 1412* 4 hrs. 4 hrs. CHEM 1412* 4 hrs. CORE 11 ^C 3 hrs. CORE 60 ^C 3 hrs. 1-3 hrs. CORE 11 ^C 3 hrs. CORE 70 ^C 3 hrs. 17 hrs. 14 hrs. 15 hrs. Third Year Fourth Semester 2 Semester 1 5 hrs. CHEM 3522* (SP odd yrs) 5 hrs. CHEM 4323* (FA) 3 hrs. Shrs. CHEM 3522* (SP odd yrs) 5 hrs. 5 hrs. PHYS 2426* (SP) 4 hrs. CHEM 4323* (FA) 3 hrs. 5 hrs. BA requirement 3 hrs. CHEM 4223L* (FA) 2 hrs. 3 hrs. PHYS 3095 2 hrs. CORE 70 ^C 3 hrs. <td>Major: Chemistry – Option I – Professional Chemistry¹ (B.A.) 2012-2013 Second Year Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semest</td>	Major: Chemistry – Option I – Professional Chemistry ¹ (B.A.) 2012-2013 Second Year Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semester 1 Semester 2 Semester 2 Semest

* Indicates prerequisite(s).

^CSee 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

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.

PREREQUISITE NOTES:

CHEM 1411: MATH 1314 or 1324 CHEM 1412: CHEM 1411 CHEM 2523: CHEM 1412 CHEM 2525: CHEM 2523 CHEM 3511: CHEM 1412 CHEM 3521: CHEM 1412 and MATH 2414 CHEM 3522: CHEM 3521 CHEM 4323: CHEM 2525 or 2533 and consent of instructor CHEM 4431: CHEM 3522 CHEM 4223L: CHEM 4323 or concurrent enrollment CHEM 4397: CHEM 3511 and consent of instructor prior to registration CHEM 4411: prerequisite or concurrent enrollment in 3511, 3522 MATH 1316: MATH 1314 or 1324. MATH 2412: ACT score of 24 or SAT 560 or above on math section or MATH 1314 or 1324. MATH 2413: MATH 1316, 2412, or ACT score of 27, or SAT 620 or above on math section MATH 2414: MATH 2413 MATH 3340: MATH 2414 MPS 4370: senior status and consent of instructor PHYS 2425: MATH 2413 or concurrent enrollment PHYS 2426: PHYS 2425 and MATH 2414 or concurrent enrollment in MATH 2414

ADDITIONAL NOTES:

¹ This option follows course recommendation of the American Chemical Society and prepares students for positions in industry, government and education. It is recommended for students planning to do graduate study in chemistry or seeking employment as chemists in industry.

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