

Curriculum Guide Major: Chemistry – Option III – Biochemistry ¹ (B.S.) 2012-2013			
First Year		Second Year	
Semester 1	Semester 2	Semester 1	Semester 2
ENGL 1301 3 hrs.	ENGL 1302* or 2311* 3 hrs.	CHEM 2523* (FA) 5 hrs.	CHEM 2525* (SP) 5 hrs.
MATH 1316* or 2412* ² 3 hrs.	MATH 2413* 4 hrs.	BIOL 2572* 5 hrs.	BIOL 3301 3 hrs.
BIOL 1406 or 1413 4 hrs.	BIOL 1407* or 1411 4 hrs.	CORE 40 ^C 3 hrs.	Adv. Elective 3 hrs.
CHEM 1411 4 hrs.	CHEM 1412* 4 hrs.	CORE 60 ^C 3 hrs.	CORE 50 ^C 3 hrs.
CORE 90 ^C 1-3 hrs.			
15-17 hrs.	15 hrs.	16 hrs.	14 hrs.
Third Year		Fourth Year	
Semester 1	Semester 2	Semester 1	Semester 2
BIOL 3402* 4 hrs.	BIOL 3340* ⁶ or 4375 3 hrs.	CHEM 4323* (FA) 3 hrs.	CHEM 4324* (SP) 3 hrs.
CHEM 3511* (FA) 5 hrs.	PHYS 1402*/2426* (SP) 4 hrs.	CHEM 4223L* (FA) 2 hrs.	CHEM 4224L* (SP) 2 hrs.
PHYS 1401*/2425* (FA) 4 hrs.	CORE 11 ^C 3 hrs.	CORE 60 ^C 3 hrs.	Adv. Elective ³ 1-2 hrs.
	CORE 70 ^C 3 hrs.	CORE 70 ^C 3 hrs.	CORE 80 ^C 3 hrs.
	Adv. Elective ³ 3 hrs.	Adv. Elective ³ 3 hrs.	Elective 0-4 hrs.
			MPS 4370* 3 hrs.
13 hrs.	16 hrs.	15 hrs.	12-17 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>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.</p>			

PREREQUISITE NOTES:

BIOL 1407: BIOL 1406

BIOL 2572: four hours of biology lab science

BIOL 3402: CHEM 2525 or permission of instructor

CHEM 1411: MATH 1314/1324

CHEM 1412: CHEM 1411

CHEM 2523: CHEM 1412

CHEM 2525: CHEM 2523

CHEM 3511: CHEM 1412

CHEM 4323: CHEM 2525 (or 2533 and permission of instructor)

CHEM 4223L: CHEM 4323 or concurrent enrollment

CHEM 4324: CHEM 4323

CHEM 4224L: CHEM 4324 or concurrent enrollment

ENGL 1302/2311: ENGL 1301

MATH 1316: MATH 1314 or 1324

MATH 2412: ACT score of 24 or SAT 560 or above on math section or MATH 1314 or MATH 1324

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

MPS 4370: senior status and consent of instructor

PHYS 1401: MATH 1314, MATH 1324 or a mathematics course for which one of these 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 is for students planning careers using chemistry applied to medical science, including pre-medical students and other pre-professional students.

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

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