

Major Map

BULLETIN YEAR: 2018-2019 **Degree:** BA; BS

Major: BIOCHEMISTRY

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction. For more specific advice and up to date schedules, it is expected that students will regularly discuss their plans of study with academic advisors and monitor the current class schedules as students are responsible for ensuring that all requirements for graduation have been met.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall Total Credit Hours: 12 or 13		Semester: Spring Total Credit Hours: 12	
BIO 111	4	BIO 112	4
Option A: CHM 131 <u>or</u> Option B: CHM 161	4-5	CHM 132 (Option A -if CHM 131 taken)	4
MTH 132	4	MTH 133	4
Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 12		Semester: Spring Total Credit Hours: 10	
CHM 211QR	4	CHM 346	3
CHM 345	3	CHM 349	2
Option A: PHY 130QR & PHY 170 <u>or</u> Option B: PHY 145QR & PHY 175	5	Option A: PHY 131 & PHY 171 <u>or</u> Option B: PHY 146 & PHY 176	5
Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall Total Credit Hours: 8		Semester: Spring Total Credit Hours: 5-11	
CHM 521	3	CHM 522	3
CHM 527	1	CHM 528	2
BIO 211	4	² Elective: 300 level or above (to meet 71 hour total requirement, selected in consultation with program advisor – See list in Bulletin)	0-6
(Pre-Med/Pre-Pharmacy may need a CHM/BIO elective prior to taking MCAT/PCAT exam.)			
Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall Total Credit Hours: 6		Semester: Spring Total Credit Hours: 3-7	
¹ CHM 491WI	3	BIO 325 <u>or</u> BIO 524	3-4
Option A: CHM 355 (fall only) <u>or</u> Option B: CHM 351 (fall only)	3	Option A: CHM 352 (spring only)	0-3
Course	Cr. Hrs.	Course	Cr. Hrs.
FIFTH YEAR (IF NEEDED)			
Semester: Total Credit Hours:		Semester: Total Credit Hours:	

124 hours minimum required for graduation

40 hours 300 level or above required

¹ CHM 491WI may be taken in another semester or during summer by arrangement.

² CHM/BIO electives may be taken as soon as their prerequisites are completed, must be approved by advisor.

Arrange to meet with the biochemistry major advisor and sign your major as early as possible. Your career goal may affect the best pathway through the major. Contact biochemistry major advisor Dr. Sharma at sharm1a@cmich.edu or 989-774-3303.