

Curriculum Map Chemistry Major – Pre-Pharmacy

NOTE: This curriculum map assumes that students have not transferred in any previously completed college level courses.

All baccalaureate degree seeking students must complete a minimum of 33 hours of general education courses which includes:

FYS 101 – First Year Seminar	ENG 100 – Writing I
MATH 123, 131, 135, 152, 174 or 175*	ENG 200 – Writing II
COMS 108 – Fund. Of Speech Communication	Knowledge – Natural Science (NSC; select 2)
Knowledge – Arts & Humanities (HUM)	Global Cultures – Arts & Humanities (HUM)
Knowledge – Social & Behavioral Sciences (SBS)	Ethics & Civil Engagement – Social & Behavioral Sciences (SBS)

The approved NSC, HUM, and SBS course list is located in the current MSU Undergraduate Catalog.

*If applicable, specific mathematics course required for degree shown below.

FIRST YEAR COURSE SCHEDULE							
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits
	FYS 101 – First Year Seminar	G	3		NSC 1 -BIOL 171 & 171L (Exchange)	P,G,R	4
	ENG 100 – Writing I	P,G	3		CHEM 112/112L or 131/131L	G,R	4
	NSC 2-CHEM 111 & 111L	P,G,R	4		SBS 1 – Knowledge	G	3
	MATH 175	P,R	4		HUM 1 – Knowledge	G	3
					COMS 108	G	3
Total Credit Hours			14	Total Credit Hours			17

SECOND YEAR COURSE SCHEDULE							
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits
	CHEM 326/326L	P,R,U	4		CHEM ELECTIVE (327/327L)	P,R,U	4
	BIOL ELECTIVE (244/244A)	P	4		BIOL ELECTIVE (245/245A)	P,R,U	4
	ENG 200 – Writing II	P,G	3		Math 353	P,E	3
	SBS 2 – Ethics	G	3		GENERAL ELECTIVE		3
	GENERAL ELECTIVE		3				
Total Credit Hours			17	Total Credit Hours			14

THIRD YEAR COURSE SCHEDULE							
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits
	CHEM ELECTIVE (301/301L)	P,U	4		CHEM 360/360L	P,R,U	3
	BIOL ELECTIVE (210/210L or 380/380L)	P	4/3		BIOL ELECTIVE (317/317L)	P,U	4
	PHYS 201	P,R	3		GENERAL ELECTIVE		3
	PHYS 201A	P,	1		PHYS 202	P,R	3
	HUM 2 – Global	G	3		PHYS 202A	P,R	1
Total Credit Hours			15/14	Total Credit Hours			14

FOURTH YEAR COURSE SCHEDULE							
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits
	CHEM 441	P	3		CHEM 351	P,R,G	3
	CHEM ELECTIVE (429)	P,R	3		CHEM 499E	P,U	3
	GENERAL ELECTIVES ¹	U	9		GENERAL ELECTIVES ¹		9
Total Credit Hours			15	Total Credit Hours			15

¹Assumes an integrated science minor. When General Electives are to be taken students should consider taking courses for their minor. Recommended: BIOL 304, 380, 446, and 490. ECON 202 is required by most Pharmacy schools.

²Typically this is MATH 174, but it can be skipped if student is qualified for MATH 175. MATH 175 is required.

Codes

(P) Pre-Requisite Course(s) must be successfully passed to be eligible to enroll in this course.

(U) Upper Division Course 300-400 level (you must have 42 hours)

(R) Required Course, (E) Elective, (S) Supplemental, (G) General Education Course

This curriculum map represents one potential arrangement of the requirements necessary to complete the Chemistry Major – Pharmacy Track taking into consideration course sequencing, choice of minor, prerequisites, and professional school requirements. Please note that the curriculum does not take into consideration any required developmental courses or transfer work. If developmental courses are required you may not be able to complete this program in four year period. If you have transfer work please forward all transcripts to the Office of the Register so that equivalences can be made and applied to your program evaluation in a timely fashion. Students should consult with their advisor.