

Curriculum Map – (Biological Sciences Area, Bachelor of Science – 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	G	3		BIOL 210	PR	4	
	ENG 100	G	3		BIOL 210L	PR	0	
	MATH 152 (may also need to take MATH 141)	GPR	3		MATH 174	PR	3	
	BIOL 171	GPR	4		CHEM 111	GPR	4	
	BIOL 171L	GPR	0		CHEM 111L	GPR	0	
	HUM - Arts & Humanities Knowledge	G	3		COMS 108	G	3	
Total Credit Hours				16	Total Credit Hours			
					14			

SECOND YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits	
	BIOL 215	PR	4		BIOL 304	PRU	3	
	BIOL 215L	PR	0		BIOL 304L	PRU	0	
	CHEM 112	PR	4		MATH 353 or MATH 365	PRUS	3	
	CHEM 112L	PR	0		PHYS 201/201L or PHYS 231/231L	PR	4-5	
	MATH 175	PR	4		BIOL 234 or BIOL 245/245A	PR	3-4	
	BIOL 234 or BIOL 244/244A	PR	3-4		ENG 200	G	3	
Total Credit Hours				15-16	Total Credit Hours			
					16-18			

THIRD YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits	
	BIOL 317/317L or BIOL 380/380L	PRU	3-4		CHEM 327	PREU	4	
	Advanced BIOL Elective	PRU	3-4		CHEM 327L	PREU	0	
	CHEM 326	PRU	4		BIOL 301	PRU	4	
	CHEM 326L	PRU	0		BIOL 301L	PRU	0	
	SBS - Social & Behavioral Sciences Knowledge– recommend ECON 202	G	3		Advanced BIOL Elective	PRU	3-4	
					SBS – Ethics & Civil Engagement	G	3	
Total Credit Hours				13-15	Total Credit Hours			
					14-15			

FOURTH YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits	
	BIOL 461	PRU	3		BIOL 499D	PRU	3	
	BIOL 461L	PRU	0		Advanced BIOL Elective	PRU	3-4	
	Advanced BIOL Elective	PRU	3-4		Advanced General Elective	EPU	3	
	Advanced BIOL Elective	PRU	3-4		General Elective	E	3	
	HUM – Global Culture	G	3		General Elective	E	3	
	General Elective	E	3					
Total Credit Hours				15-17	Total Credit Hours			
					15-16			

(E) Elective
(P) Pre-requisite

(G) General Education Course
(R) Required Course

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