

Curriculum Map – (Biomedical Sciences 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		Biological Sciences Elective - BIOL 244	PRE	3	
	ENG 100	G	3		Biological Sciences Elective - BIOL 244A	PRE	1	
	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 and 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	
	Biological Sciences Elective - BIOL 245	PRE	3		BIOL 301	PRU	4	
	Biological Sciences Elective - BIOL 245A	PRE	1		BIOL 301L	PRU	0	
	CHEM 112	PR	4		BIOL 317	PRU	4	
	CHEM 112L	PR	0		BIOL 317L	PRU	0	
	ENG 200	G	3		MATH 175	PR	4	
	SBS – Social & Behavioral Sciences - recommend ECON 202	G	3		SBS – Ethics & Civil Engagement	G	3	
	BIOL 304	PRU	3					
	BIOL 304L	PRU	0					
Total Credit Hours				17	Total Credit Hours			
					15			

THIRD YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits	
	BIOL 380	PRU	3		CHEM 327	PREU	4	
	BIOL 380L	PRU	0		CHEM 327L	PREU	0	
	CHEM 326	PRU	4		MATH 353 or MATH 365	PRSU	3	
	CHEM 326L	PRU	0		PHYS 202/202L or PHYS 232/232L	PRS	4-5	
	PHYS 201/201L or PHYS 231/231L	PR	4-5		Biomedical Sciences Elective	PREU	3-4	
	HUM – Global Culture	G	3					
Total Credit Hours				14-15	Total Credit Hours			
					14-16			

FOURTH YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits	
	Biomedical Sciences Elective	PREU	3-4		BIOL 499E	PRU	3	
	Biomedical Sciences Elective	PREU	3-4		Biomedical Sciences Elective	PREU	3-4	
	General Elective	E	3		Biomedical Sciences Elective	PREU	3-4	
	General Elective	E	3		General Elective	E	3	
					General Elective	E	3	
Total Credit Hours				12-14	Total Credit Hours			
					15-17			

(E) Elective (G) General Education Course (S) Supplemental
(P) Pre-requisite (R) Required Course (U) Upper Division Course 300-400 level (you must have 42 hours)