

Curriculum Map – (Biomedical Sciences Bachelor of Science- Pre-Medicine 2021+)

NOTE: This curriculum map assumes that you 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 (recommend BIOL 244 + 244A)	PRE	4
	ENG 100	G	3			COMS 108	G	3
	MATH 152 (must also take MATH 141) OR MATH 174, OR MATH 175	GPR	3-4			MATH 141 or General Elective	PRS or E	3
	BIOL 171	GPR	4			CHEM 111	GPR	4
	BIOL 171L	GPR	0			CHEM 111 Lab	GPR	0
	HUM – Global Cultures	G	3					
Total Credit Hours			16-17		Total Credit Hours			14

SECOND YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits
	Biological Sciences Elective (recommend BIOL 245 + 245A)	PRE	4			BIOL 301	PRU	4
	CHEM 112	PR	4			BIOL 301L	PRU	0
	CHEM 112L	PR	0			BIOL 317	PRU	4
	ENG 200	G	3			BIOL 317L	PRU	0
	SBS – Social/Behavioral Sciences Knowledge (recommend PSY 154)	G	3			SBS – Ethics & Civil Engagement	G	3
	BIOL 304	PRU	3			HUM - Arts & Humanities Knowledge	G	3
	BIOL 304L	PRU	0					
Total Credit Hours			17		Total Credit Hours			14

THIRD YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits
	BIOL 380	PRU	3			Biomedical Sciences Elective	PREU	3-4
	BIOL 380L	PRU	0			MATH 353 or MATH 365	PRSU	3
	CHEM 326	PRU	4			PHYS 202 or PHYS 232	PRS	4-5
	CHEM 326L	PRU	0			Biomedical Sciences Elective (recommend CHEM 327/327L)	PREU	3-4
	PHYS 201 or PHYS 231	PRS	4-5					
	General Elective	E	3					
Total Credit Hours			14-15		Total Credit Hours			13-16

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	EU	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)
 Recommended Biomedical Sciences Electives: BIOL 424 (Immunology), BIOL 427 (Pathogenic Microbiology), BIOL 428 (Virology), BIOL 443 (Gen. Parasitology)
 Revised: March 2021