



MOUNT ST. JOSEPH
UNIVERSITY

Biomedical Sciences (Pre-Optometry) Major – Bachelor of Science

FIRST YEAR-SEMESTER #1		FIRST YEAR- SEMESTER #2		UNIVERSITY CORE	
BIO 111 Principles of Biology I	4	BIO 112 Principles of Biology II	4	COMMON GOOD	
BIO 111A Prin. of Bio. I Lab	0	BIO 112A Prin. of Bio II Lab	0	CORE 115 Common Ground	Code COR
BIO 111R Prin. of Bio Recitation	0	CHE 112 Gen. Chemistry II	3	Justice & the Common Good	Code JCG
CHE 111 Gen. Chemistry I	3	CHE 112A Gen. Chem. II Lab	1	Ethics	Code CE
CHE 111A Gen. Chem. I Lab	1	CHE 112R Gen. Chem II Rec	0	Experiential Learning	Code EXP
CHE 111R Gen. Chem I Recitation	0	COM 100/ ENG 101	3	Core Capstone	Code CCP
CORE 115 Common Ground	3	SOC 103 Our Social World	3	HUMANITIES	
COM 100/ENG 101	3	Core requirement	3	Speech (COM 100)	Code C
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2		Writing (ENG 101)	Code C
CHE 211 Organic Chemistry I	3	CHE 212 Organic Chemistry II	3	Literature (ENG)	Code CL
CHE 211A Organic Chem I Lab	1	CHE 212A Organic Chem II Lab	1	Art or Music	Code CAM
BIO 197 Human A&P I	4	BIO 198 Human A&P II	4	History	Code CH
BIO 197A Human A&P I Lab	0	BIO 198A Human A&P II Lab	0	Religious Studies	Code CR
BIO 204 Biology Seminar	2	MTH 187 Precalculus & Trig.	4	Philosophy	Code CP
MTH 174 Statistics	3	Core requirement	3	SCIENCES	
Core requirement	3	CED 220 Found. of Professional	1	Biology/Chemistry/Physics + Lab	Code CN
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		Mathematics	Code CMA
CHE 325 Biochemistry I	3	BIO elective	4	SOC 103 Our Social World	Code CS
CHE 325A Biochemistry I Lab	1	BIO elective	4	Choose one discipline:	
MTH 193 Calculus I	4	BIO elective	4	ECO 212 Microeconomics	Code CEP
Core requirement	3	Core requirement	3	PSY 103 Psychology	Code CEP
Core requirement	3			NOTES	
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		Prerequisites:	
PHY 201 Physics I	3	PHY 202 Physics II	3	Chemistry- College preparatory high school chemistry or the successful completion of a placement test.	
PHY 201A Physics I Lab	1	PHY 202A Physics II Lab	1	Math- Three years of college preparatory high school mathematics including functions.	
BIO 305 Microbiology	4	BIO elective	4	120 credit hours minimum needed to graduate	
Core requirement	3	Core Capstone	3	**Curriculum Guide does not replace advisement by a faculty member within the Biology program**	
Core requirement	3	Core requirement	3		
<i>Examples of BIO electives:</i>					
Aquatic Biology					
Ecology					
Animal Behavior					
Plagues and Parasites					
Cell Biology					
Genetics					
Evolution					
Entomology					
Biotechnology					