



MOUNT ST. JOSEPH
UNIVERSITY

Biochemistry Pre-Med 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 Biology I Lab	0	BIO 112A Prin. of Biology II Lab	0	CORE 115 Common Ground	Code COR
BIO 111R Prin. of Bio Recitation	0	CHE 112 General Chemistry II	3	Justice & the Common Good	Code JCG
CHE 111 General 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 Rec	0	COM 100/ ENG 101	3	Core Capstone	Code CCP
MTH 174 Statistics	3	SOC 103 Our Social World	3	HUMANITIES	
PSY 103 Intro to Psychology	3	Core requirement	3	Speech (COM 100)	Code C
CORE 115 Common Ground	3			Writing (ENG 101)	Code C
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2		Literature (ENG)	Code CL
CHE 211 Organic Chemistry I	3	CHE 212 Organic Chemistry II	3	Art or Music	Code CAM
CHE 211A Org. Chem I Lab	1	CHE 212A Org. Chem II Lab	1	History	Code CH
PHY 201 General Physics I	3	CHE 200 Chem. Soph. Seminar	1	Religious Studies	Code CR
PHY 201A Gen. Physics I Lab	1	PHY 202 General Physics II	3	Philosophy	Code CP
CED 220 Foundations of Professionalism	1	PHY 202A Gen. Physics II Lab	1	SCIENCES	
COM 100/ENG 101	3	Core requirement	3	Biology/Chemistry/Physics + Lab	Code CN
Core requirement	3	Core requirement	3	Mathematics	Code CMA
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		SOC 103 Our Social World	Code CS
CHE 325 Biochemistry I	3	CHE 326 Biochemistry II	3	Choose one discipline:	
CHE 325A Biochem. I Lab	1	CHE 326A Biochem. II Lab	1	ECO 212 Microeconomics	Code CEP
BIO 197/197A or 305/305A or 310/310A or 320/320A	4	CHE 300 Chem. Junior Seminar	1	PSY 103 Psychology	Code CEP
Core requirement	3	BIO 198/198A or 305/305A or 310/310A or 320/320A	4	<u>NOTES</u>	
Core requirement	3	Core requirement	3	Prerequisites:	
Core requirement	3	Elective	3	Chemistry- College preparatory high school chemistry or the successful completion of a placement test.	
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		Math- Three years of college preparatory high school mathematics including functions.	
CHE 314 Inter. Analytical Chem	3	CHE 315 [#] or 360 or elective	3	120 credit hours minimum needed to graduate	
CHE 314A Inter. Analytical Chem Lab	1	CHE 315A [#] or 360A or elective	1	*Students must have an appropriate math placement before enrolling in MTH 174 and CHE 111.	
BIO 197/197A or 305/305A or 310/310A or 320/320A or	3	CHE 400 Chem. Seminar & Capstone	1	**Curriculum Guide does not replace advising by a faculty member within the Chemistry program**	
Core Capstone	3	BIO 198/198A or 305/305A or 310/310A or 320/320A or	3 or 4		
Elective	3 or 4	Elective	3		
Core requirement	3	Elective	3		
#Students take CHE 315/315A Instrumental Analysis with lab Or CHE 360/360A Intermediate Inorganic Chem with lab					
Students choose two from BIO 197 Human Anatomy & Physiology I; BIO 198 Human Anatomy & Physiology II; BIO 305 Microbiology; BIO 310 Cell Biology; BIO 320 Genetics (all with lab)					