



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	BNS 100 Introductory Seminar 1	Speech (COM 100) Code C
		Writing (ENG 101) Code C
<u>SECOND YEAR-SEMESTER #1</u>	<u>SECOND YEAR-SEMESTER #2</u>	Literature (ENG) Code CL
CHE 211 Organic Chemistry I 3	CHE 212 Organic Chemistry II 3	Art or Music Code CAM
CHE 211A Organic Chem I Lab 1	CHE 212A Organic Chem II Lab 1	History Code CH
BIO 197 Human A&P I 4	BIO 198 Human A&P II 4	Religious Studies Code CR
BIO 197A Human A&P I Lab 0	BIO 198A Human A&P II Lab 0	Philosophy Code CP
MTH 174 Statistics 3	MTH 187 Precalculus & Trig. 4	SCIENCES
Core requirement 3	Core requirement 3	Biology/Chemistry/Physics + Lab Code CN
	CED 220 Found. of Professional 1	Mathematics Code CMA
	BNS 200 Intermediate Seminar 1	SOC 103 Our Social World Code CS
<u>THIRD YEAR-SEMESTER #1</u>	<u>THIRD YEAR-SEMESTER #2</u>	Choose one discipline:
CHE 325 Biochemistry I 3	BIO elective 4	ECO 212 Microeconomics Code CEP
CHE 325A Biochemistry I Lab 1	BIO elective 4	PSY 103 Psychology Code CEP
MTH 193 Calculus I 4	BIO elective 4	
Core requirement 3	Core requirement 3	<u>NOTES</u>
Core requirement 3	Core requirement 3	Prerequisites:
Core requirement 3		Chemistry- College preparatory high school chemistry or the successful completion of a placement test.
		Math- Three years of college preparatory high school mathematics including functions.
<u>FOURTH YEAR-SEMESTER #1</u>	<u>FOURTH YEAR-SEMESTER #2</u>	120 credit hours minimum needed to graduate
PHY 201 Physics I 3	PHY 202 Physics II 3	
PHY 201A Physics I Lab 1	PHY 202A Physics II Lab 1	**Curriculum Guide does not replace advisement by a faculty member within the Biology program**
BIO 305 Microbiology 4	BNS 300 Advanced Seminar 1	
Core requirement 3	BIO elective 4	
Core requirement 3	Core Capstone 3	
	Elective 3	
<p><i>Examples of BIO electives:</i></p> <ul style="list-style-type: none"> Aquatic Biology Ecology Animal Behavior Plagues and Parasites Cell Biology Genetics Evolution Entomology Biotechnology 		