



## Biochemistry Major – Bachelor of Science (2022-23 start)

FIRST YEAR-SEMESTER #1		FIRST YEAR- SEMESTER #2		UNIVERSITY CORE	
BIO 111 Principles of Biology I	4	CHE 112 General Chemistry II	3	COMMON GOOD	
BIO 111A Prin. of Biology I Lab	0	CHE 112A Gen. Chem II Lab	1	CORE 115 Common Ground	Code COR
CHE 111 General Chemistry I	3	MTH 194 Calculus II	4	Justice & the Common Good	Code JCG
CHE 111A Gen. Chem. I Lab	1	COM 100/ ENG 101	3	Ethics	Code CE
MTH 193 Calculus I	4	SOC 103	3	Experiential Learning	Code EXP
CORE 115	3	Core requirement	3	Core Capstone	Code CCP
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2		HUMANITIES	
CHE 211 Organic Chemistry I	3	CHE 212 Organic Chemistry II	3	Speech (COM 100)	Code C
CHE 211A Org. Chem I Lab	1	CHE 212A Org. Chem II Lab	1	Writing (ENG 101)	Code C
PHY 201 General Physics I	3	CHE 200 Chem. Soph. Seminar	1	Literature (ENG)	Code CL
PHY 201A Gen. Physics I Lab	1	PHY 202 General Physics II	3	Art or Music	Code CAM
CED 220 Foundations of Professionalism	1	PHY 202A Gen. Physics II Lab	1	History	Code CH
COM 100/ENG 101	3	Core requirement	3	Religious Studies	Code CR
Core requirement	3	Core requirement	3	Philosophy	Code CP
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		SCIENCES	
CHE 350 Physical Chemistry I	3	CHE 326 Biochemistry II	3	Biology/Chemistry/Physics + Lab	Code CN
CHE 350A Phys. Chem I Lab	1	CHE 326A Biochem. II Lab	1	Mathematics	Code CMA
CHE 325 Biochemistry I	3	CHE 355 <sup>#</sup> or elective	3	SOC 103 Our Social World	Code CS
CHE 325A Biochem. I Lab	1	CHE 355A <sup>#</sup>	1	Choose one discipline:	
Core requirement	3	CHE 300 Chem. Junior Seminar	1	ECO 212 Microeconomics	Code CEP
Core requirement	3	BIO 305/320/310/310A	4	PSY 103 Psychology	Code CEP
Core requirement	3	Core requirement	3	<u>NOTES</u>	
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		Prerequisites:	
CHE 314 Inter. Analytical Chem	3	CHE 315 <sup>#</sup> or elective	3	Chemistry- College preparatory high school chemistry or the successful completion of a placement test.	
CHE 314A Inter. Analytical Chem Lab	1	CHE 315A <sup>#</sup>	1	Math- Three years of college preparatory high school mathematics including functions.	
Core requirement	3	CHE 400 Chem. Seminar & Capstone	1	120 credits hours minimum needed to graduate.	
Core Capstone	3	BIO 305/320/310/310A	4	*Students must have an appropriate math placement before enrolling in MTH 193 and CHE 111.	
Elective	3	Electives to reach 120 credits		**Curriculum Guide does not replace advising by a faculty member within the Chemistry program.**	
		#Students take CHE 315/315A Instrumental Analysis with lab or CHE 355/355A Physical Chem. II with lab			
		Students choose two from BIO 305 Microbiology; BIO 320 Genetics; BIO 310/310A Cell Biology with lab			