

**BS BIOCHEMISTRY** (43 CREDITS OF LOWER DIVISION, 38-39 CREDITS OF UPPER DIVISION major courses)**Complete all of the following: (43 credits)**

Course	Description	Units
BSC 2010	General Biology I	3
BSC 2010L	General Biology I Lab	1
BSC 2011	General Biology II	3
BSC 2011L	General Biology II Lab	1
CHM 1045	General Chemistry I	3
CHM 1045L	General Chemistry Lab I	1
CHM 1046	General Chemistry II	3
CHM 1046L	General Chemistry II Lab	1
CHM 2210	Organic Chemistry I	4
CHM 2210L	Organic Chemistry I Lab	1
CHM 2211	Organic Chemistry II	3
CHM 2211L	Organic Chemistry II Lab	1
PHY 2048	Physics with Calculus I	4
PHY 2048L	Physics with Calculus I Lab	1
PHY 2049	Physics with Calculus II	4
PHY 2049L	Physics with Calculus II Lab	1
MAC 2311	Calculus I	4
MAC 2312	Calculus II	4

**Complete all of the following: (32 credits)**

Course	Description	Units
CHM 3120	Introduction to Analytical Chemistry	3
CHM 3120L	Intro to Analytical Chemistry Lab	1
CHM 3410	Physical Chemistry I	4
CHM 3411	Physical Chemistry II	4
CHM 4304	Biological Chemistry I	3
CHM 4304L	Biological Chemistry I Lab	1
CHM 4307	Biological Chemistry II	3
CHM 4307L	Biological Chemistry II Lab	1
CHM 4910L	Undergraduate Research	3
CHM 4930	Senior Seminar	1
MCB 3020	Microbiology	3
MCB 3020L	Microbiology Lab	1
PCB 3063	Genetics	3
PCB 3063L	Genetics Lab	1

**Select one of the two following sets of courses: (3-4 credits)**

Course	Description	Units
CHM 3410L	Physical Chem. Lab I	1
CHM 3411L	Physical Chem. Lab II	2
<b>OR</b>		
CHM 4130	Instrumental Analysis	3
CHM 4130L	Instrumental Analysis Lab	1

**Select at least 3 credits: (3 credits)** (\*if not selected above)

Course	Description	Units
CHM 3410L	Physical Chem. Lab I *	1
CHM 3411L	Physical Chem. Lab II *	2
CHM 4130	Instrumental Analysis *	3
CHM 4130L	Instrumental Analysis Lab*	1
CHM 3610	Fundamentals of Inorganic Chemistry	3
CHM 4220	Advanced Organic Chemistry	3
CHM 4230	Structure Determination Laboratory	1
CHM 4300	Bio-Organic Chemistry	3
CHM 4611	Advanced Inorganic Chemistry	3
CHM 4611L	Advanced Inorganic Chemistry Lab	1
CHS 4100	Radiochemistry	3
CHS 4100L	Radiochemistry Lab	1
CHS 4430	Introduction to Chemical Toxicology	3
MCB 4503	Virology	3
PCB 4023	Cell Biology	3
PCB 4023L	Cell Biology Lab	1
PCB 4233	Immunology	3
PCB 4524	Molecular Biology	3

Updated: 7/2017 GML

