

BACHELOR OF SCIENCE- Chemistry (Biochemistry)

Dept.	Class Name	Hrs.	Dept.	Class Name	Hrs.
FRESHMAN YEAR					
BPC 100	Student Success*	3	BUS 101	Fundamentals of Computer Applications	3
ENG 101	Writing and Rhetoric	3	ENG 102	Rhetoric and Literature	3
MTH 111	Precalculus	3	MTH 204	Calculus	4
BIO 101	General Biology I**	3	BIO 102	General Biology II	3
BIO 101-L	General Biology I Lab	1	BIO 102-L	General Biology II Lab	1
CHM 111	General Chemistry I**	3	CHM 112	General Chemistry II	3
CHM 111-L	General Chemistry I Lab	1	CHM 112-L	General Chemistry II Lab	1
	TOTAL	17		TOTAL	17
SOPHOMORE YEAR					
HIS 151	History of Civilization I	3	HIS 152	History of Civilization II	3
CHR 100	Introduction to Biblical Worldview	3	CHM 336	Organic Chemistry II	4
CHM 331	Light and Matter	3	CHM 321	Analytical Chemistry	4
CHM 335	Organic Chemistry I	4	PSY 201	General Psychology	3
OPTION	Required Fine Arts Course***	3	OPTION	Required Arts/Letters Course	3
	TOTAL	16		TOTAL	17
JUNIOR YEAR					
PE 205	Concepts of Fitness	2	MYH 104	Elementary Statistics	3
PHY 201/221	General Physics I	4	PHY 203/223	General Physics II	4
BIO 202/410	Human Anatomy and Physiology I/Genetics	4	BIO 203/300	Human Anatomy and Physiology II/Cell Biology	4
CHM 338	Biochemistry I	3	CHM 339	Biochemistry II	3
OPTION	Required Foreign Language/Culture Course	3	CHM 340	Biochemistry Lab	2
			CHM 440	Biochemistry Seminar	1
	TOTAL	16		TOTAL	17
SENIOR YEAR					
CHM 400	Physical Chemistry for the Life Sciences	3	BIO 370	Introduction to Microbiology	4
CHM 420	Communicating Scientific Literature	3	CHM 410	Bioinorganic Chemistry	3
CHM 450	Research Proposal Writing	1	CHM 460	Introduction to Research	3
OPTION	Required Religion and Philosophy Course	3	OPTION	Special Topics in Chemistry/Physical Science	3/4
OPTION	Required General Elective Course (300-400)****	3			
	TOTAL	13		TOTAL	13/14

TOTAL PROGRAM HOURS REQUIRED: 122-123

*Any student who has successfully completed 24 hours of college-level classes is exempt from BPC 100.

***Three semesters of Concert Choir (MUS-CC 160/ 260/360/460) fulfills the Fine Arts core requirement.

**CHM majors must take BIO 101 and CHM 111 to satisfy the core science requirement.

****Medical, dental and pharmacy schools recommend taking PSY /CJ Race and Ethic Relations as prerequisite.