

**BS BIOCHEMISTRY PROGRAM
(SAMPLE 4-YEAR PLAN)**

FALL - YEAR 1		WINTER - YEAR 1		SPRING - YEAR 1		SUMMER – YEAR 1	
Course	Units	Course	Units	Course	Units	Course	Units
CHEM 101	5	CHEM 102	5	CHEM 103	5	CHEM 201	5
MATH 103	4	MATH 206	4	MATH 207	4	UNIV 400 (WPE)	0
NSS 101	2	ENGL 101	4	ENGL 102	4	GE Block D	4
CHEM 140	2						
Total Units	13	Total Units	13	Total Units	13	Total Units	9

FALL - YEAR 2		WINTER – YEAR 2		SPRING – YEAR 2		SUMMER – YEAR 2	
Course	Units	Course	Units	Course	Units	Course	Units
CHEM 301A	3	CHEM 301B	3	CHEM 301C	3	GE BLOCK C	4
PHIL 250	4	CHEM 302A	2	CHEM 302B	2	GE BLOCK D	4
BIO 100A	5	BIO 100B	5	CHEM 360	3		
MATH 208	4	MATH 209	4	BIO 100C	5	PHYS 201	4
				COMM 150	4		
Total Units	16	Total Units	14	Total Units	17	Total Units	12

FALL – YEAR 3		WINTER – YEAR 3		SPRING – YEAR 3		SUMMER – YEAR 3	
Course	Units	Course	Units	Course	Units	Course	Units
CHEM 431A	3	CHEM 431B	3	CHEM 431C	3		
		CHEM 432A	2	CHEM 432B	2		
MICRO 200 A	5	MICRO 200B	3	PHYS 204	4		
PHYS 202	4	PHYS 203	4	GE BLOCK C	4		
POLS 150	4	HIST 202	4				
Total Units	16	Total Units	16	Total Units	13	Total Units	4

FALL – YEAR 4		WINTER – YEAR 4		SPRING – YEAR 4		SUMMER – YEAR 4	
Course	Units	Course	Units	Course	Units	Course	Units
CHEM 401	4	CHEM 402	4	BIOPHYS REPL*	4		
UD BIO ELECTIVE [†]	4	UD BIO ELECTIVE [†]	4	UD BIO ELECTIVE [†]	4		
GE BLOCK C	4	GE BLOCK D	4	GE BLOCK E	4		
UD THEME	4	UD THEME	4	UD THEME	4		
Total Units	16	Total Units	16	Total Units	16	Total Units	4

[†] All upper division Biology electives must be approved by your advisor prior to taking the courses. You must include at least 1 physiology/development course and 1 genetics course in the upper division electives.

*Replacement courses which could be substituted for the Biophysics requirement

CHEM 434 Bioinformatics

CHEM 438 Bioinorganic chemistry

CHEM 420 Advanced organic chemistry

CHEM 462 Instrumental analysis

Or Additional approved upper division Biology elective – requires advisor approval