

BS-CHEMISTRY (0478)
(Suggested Eight-Semester Sequence)

First Semester

ENGL101	College Writing Skills (3)		
MATH211	Analytical Geometry and Calculus I (4)		
CHEM240	Principles of Chemistry I (4)		
	Core 1 (3)		
	Core 3 (3)	TOTAL	17 sem. hrs.

Second Semester

ENGL102	Specialized College Writing and Research Skills (3) University		
PHYS320	Physics I (4)		
CHEM241	Principles of Chemistry II (4)		
MATH212	Analytical Geometry and Calculus II (4)		
PHYS322	Physical Measurements Laboratory I (1)	TOTAL	16 sem. hrs.

Third Semester

PHYS321	University Physics II (4)		
PHYS323	Physical Measurements Laboratory II (1) Organic		
CHEM330	Chemistry I (4)		
MATH260	Elements of Statistics (3)		
FREN101	First Course in French (3) or		
GERM101	First Course in German (3) or		
RUSS101	First Course in Russian (3)	TOTAL	15 sem. hrs.

Fourth Semester

CHEM310	Quantitative Analysis (4)		
CHEM331	Organic Chemistry II (4)		
CHEM280	Laboratory Safety (1)		
BIOL103	Principles of Biology (3)		
MATH311	Anal. Geometry & Calculus III (4) or		
MATH317	Intro. To Differential Equations (3) or		
CSCI130	Principles of Programming (3)	TOTAL	15-16 sem. hrs.

Fifth Semester

CHEM450	Instrumental Analysis (5)		
CHEM341	Biochemistry (4)		
CHEM530	Physical Chemistry I (4)		
CHEM381	Searching Scientific Literature (1)	TOTAL	14 sem. hrs.

Sixth Semester

CHEM531	Physical Chemistry II (4)		
CHEM533	Polymer Chem. (3)		
	Core 4 (3)		
	Free Elective (3)		
	Distribution 2 (3)	TOTAL	16 sem. hrs.

Seventh Semester

CHEM420	Inorganic Chemistry (3)		
CHEM421	Adv. Organic Chemistry (3)		
CHEM535	Adv. Chemistry Lab (1)		
	Core 6 (3)		
	Free Elective (3)	TOTAL	16 sem. hrs.

Eighth Semester

CHEM490	Independent Study (2)		
CHEM481	Seminar (1)		
	Free Elective (3-4)		
	Core 2 (3)		
	Distribution 1 (3)	TOTAL	12-13 sem. hrs.