

CHEMISTRY (BS)

Suggested Sequence of Courses for a Bachelor of Science Degree in Chemistry

Course	Title	Hours
Freshman Year		
First Semester		
CHEM-1200	General Chemistry I Lecture	3
CHEM-1201	General Chemistry I Laboratory	1
MATH-1300	Calculus I	4
ENGL-1010	English Composition	3
GNST-1000	BC Experience	1
Foreign Language		4
Hours		16
Second Semester		
CHEM-1210	General Chemistry II Lecture	3
CHEM-1211	General Chemistry II Lab	1
MATH-1350	Calculus II	4
THEO-1100	Introduction to Theology	3
Foreign Language		4
EXSC-1115	Wellness for Life	1
Hours		16
Sophomore Year		
First Semester		
CHEM-2200	Organic Chemistry I Lecture	3
CHEM-2201	Organic Chemistry I Lab	1
PHYS-2100	Classical Physics I	3
PHYS-2101	Classical Physics I Lab	1
Historical Foundation		3
Faith Foundation		3
Person and Community Foundation		3
Hours		17
Second Semester		
CHEM-2210	Organic Chemistry II Lecture	3
CHEM-2211	Organic Chem II Lab	1
PHYS-2110	Classical Physics II	3
PHYS-2111	Classical Physics II Lab	1
Aesthetic Foundation		3
Historical Foundation		3
PHIL-1750	Principles of Nature	3
Hours		17
Junior Year		
First Semester		
CHEM-3300	Quantitative Analysis	3
CHEM-3301	Quantitative Analysis Laboratory	1
CHEM-3500	Biochemistry I	3
CHEM-3501	Biochemistry I Laboratory	1
CHEM-4900	Chemistry & Biochem Colloquium	1
Advanced Chemistry Elective		3

Philosophical Inquiry Foundation		3
Hours		15
Second Semester		
CHEM-3311	Instrumental Analysis Laboratory	1
CHEM-3400	Inorganic Chemistry	3
CHEM-3401	Inorganic Chemistry Laboratory	1
CHEM-3800	Physical Chemistry I	3
CHEM-3801	Physical Chemistry I Laboratory	1
CHEM-4901	Chem & Biochem Colloquium 2	1
Electives		6
Hours		16
Senior Year		
First Semester		
Advanced Chemistry Elective		3
CHEM-4801	Research I	1
CHEM-4200	Physical Chemistry II	3
CHEM-4201	Physical Chemistry II Laboratory	1
CHEM-4902	Chem & Biochem Colloquium 3	1
Aesthetic Foundation		3
Elective		3
EXSC Fitness Course		1
Hours		16
Second Semester		
CHEM-COMP	Senior Comprehensive Exam	0
CHEM-4811	Research II	1
CHEM-4903	Chem & Biochem Colloquium 4 (with Senior Seminar Presentation)	1
Electives		9
Faith Foundation		3
Philosophical Inquiry Foundation		3
Hours		17
Total Hours		130