

CHEMISTRY – Professional Track

Bachelor of Science with a Major in Chemistry

The professional track prepares the student for graduate study in chemistry and provides for an entry level job as a chemist. (Grade of C or better is required in all chemistry courses)

Core Curriculum Areas A-E for Science Majors	42
Core Curriculum Area F	18
CHEM 1211, 1212 Principles of Chemistry I, II	8
CHEM 2810 Quantitative Analysis	5
MATH 2011, 2012 Calculus I - (one hour), II	5
Non-Core Courses	3-14
MATH 2011 (if not in D, transfer student)	0-3
PHYS 2211, 2212 Principles of Physics I, II (if not in D)	0-8
MATH 3020 Differential Equations	3
New Majors are encouraged to complete CHEM 1000 Chemistry Orientation	
Major Concentration	40
CHEM 3411, 3412 Organic Chemistry I, II	8
CHEM 3721, 3722 Physical Chemistry I, II	7
CHEM 3810 Advanced Organic Chemistry	3
CHEM 3820 Laboratory Management and Safety	2
CHEM 4210 Advanced Inorganic Chemistry	3
CHEM 4551 Biochemistry I	3
CHEM 4700 Integrated Lab	3
CHEM 4800 Advanced Seminar	1
CHEM 4840 Instrumental Analysis	4
Select two of the following:	6
CHEM 4552 Biochemistry II (3)	
CHEM 4950 Selected Topics (3) may be repeated with different topic	
CHEM 4990 Undergraduate Research (maximum 3 hours total towards major concentration)	
Electives	6-17
Physical Education	4
Completion of ACS Diagnostic of Undergraduate Chemistry Knowledge Exam with a minimum score of 25 correct	
Total Hours for the Degree	124