Curriculum in Chemistry

This curriculum in Chemistry is designed for students who desire to prepare for professional careers in Chemistry and for graduate study. This curriculum is approved by the American Chemical Society Committee on Professional Training.

First Year		
First Semester		
01-101	English Composition I [1]	3
16-100	Lifetime Fitness and Wellness [1]	2
24-101	General and Elementary Analytical Chemistry I [1]	4
24-191	University Seminar I [1]	1
25-121 or 25-251	College Algebra [1]or Calculus I [1]	3-4
XX-101	Elementary Foreign Language I [1]	3
		16-17
Second Semester		
01-102	English Composition II [1]	3
24-102	General and Elementary Analytical Chemistry II [1]	4
24-192	University Seminar II [1]	1
25-122 or 25-252	Trigonometry [1] or Calculus II [1]	3-4
XX-102	Elementary Foreign Language II [1]	3
		14-15
Second Year		
First Semester		
24-201	Elementary Quantitative Analysis [1]	4
24-301	Organic Chemistry I [1]	4
25-251 or XX-XXX	Calculus I [1] or Elective	3-4
26-201	General Physics I [1]	4
		15-16
Second Semester		
01-200	Speech [1]	3
24-302	Organic Chemistry II [1]	4
25-252 or XX-XXX	Calculus II [1] or Elective	3-4
26-202	General Physics II [1]	4
		15-16
Third Year		
First Semester		
01-201 or 205	World Literature I [1] or African-American Literature I [1]	3
24-303	Physical Chemistry I [1]	4

24-403	Biochemistry [1]	4
31-395	Global Societies [1]	3
34-201 or 34-202 or 34-203 or 34-204	American Civilization to 1865 [1] American Civilization from 1865 [1] The African-American Experience to 1865 [1] The African-American Experience from 1865 [1]	3
		17
Second Semester		
01-202 or 206	World Literature II [1] or African-American Literature II [1]	3
24-304	Physical Chemistry II [1]	4
24-306	Instrumental Analysis [1]	4
24-308	Inorganic Chemistry [1]	4
		15
	Fourth Year	
First Semester		
24-407	Seminar in Chemistry I [1]	1
24-XXX	Elective (Advanced Chemistry)	3
24-XXX	Electives	6
24-XXX	Senior Capstone	3
XX-XXX	History / Social Science Elective	3
		16
Second Semester		
24-408	Seminar in Chemistry II [1]	1
XX-XXX	Elective (Advanced Chemistry, Mathematics, or Physics)	3
XX-XXX	Arts / Humanities Electives	9
		13
	Total Credit Hours: 121-125	

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