

# College of Health & Sciences

## 2021-2022 Chemistry Degree Plan

### FIRST YEAR - FRESHMAN

<u>Fall Semester</u>	<u>Spring Semester</u>
BIOL 1114 * General Biology	CHEM 1114 * General Chemistry I
ENG 1113 * Freshman Composition I	ENG 1213 * Freshman Composition II
HIST 24-3 * United States History Survey**	MATH 1713 Trigonometry
KIN 2122 * Wellness or Basic Nutrition HHFS 1513	PS 1113 * United States Government
MATH 1513 * College Algebra	---3 * Social Sciences**
UNIV 1001 * Freshman Seminar	

**16 or 17 TOTAL HOURS**

**16 TOTAL HOURS**

### SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>	<u>Spring Semester</u>
CHEM 1214 General Chemistry II	CHEM 3114 Organic Chemistry I
Math 2825 Calculus & Analytic Geometry	---4 Minor or Electives (6 hours)***
PHYS 1114 General Physics I OR PHYS 2115 Engineering Physics I	MATH 3025 Calculus & Analytic Geometry II
---3 * Communication** (Speech or Language)	PHYS 1214 General Physics II OR PHYS 2225 Engineering Physics II

**16-17 TOTAL HOURS**

**17 TOTAL HOURS**

### THIRD YEAR - JUNIOR (beginning in the fall of an even year) OR FOURTH YEAR - SENIOR (beginning in the fall of an even year)

<u>Fall Semester Even Year</u>	<u>Spring Semester Odd Year</u>
CHEM 4114 Organic Chemistry II	CHEM 4413 Advanced Inorganic Chemistry^^^
CHEM 4514 Physical Chemistry I^	CHEM ---1 Required Chemistry Elective (1 hour) (CHEM 4421 recommended)^^^
CHEM 3214 Quantitative Analysis I	---3 * Humanities-Western Civilization**
	---3 * Humanities & Social Sciences**
	---4 Minor or Electives (4 hours)***

**14 TOTAL HOURS**

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### THIRD YEAR - JUNIOR (beginning in the fall of an odd year) OR FOURTH YEAR - SENIOR (beginning in the fall of an odd year)

<u>Fall Semester Odd Year</u>	<u>Spring Semester Even</u>
CHEM 4213 Biochemistry [offered every fall]	CHEM ---1 Required Chemistry Elective (CHEM 4614, 4981-4, or 4991-4)^^^
CHEM ---1 Required Chemistry Elective (1 hour) # (CHEM 4221 recommended-offered every fall)	CHEM 3484 Instrumental Analysis^^
---3 * Humanities-Cultural/Human Diversity	---3 * Communication** (Computer Literacy)
---8 Minor or Electives (8 hours)***	---8 Minor or Electives (8 hours)***

**15 TOTAL HOURS**

**16 TOTAL HOURS**

### TOTAL DEGREE PLAN HOURS 124

\*General Education Requirement      \*\*See current catalog "General Education Requirements" for selection      \*\*\*Minor required (16-21 hours)/Electives (2-16 hours)

^Offered fall semester even years; ^^Offered spring semester even years; ^^Offered spring semester odd years; ^^^Offered TBA (To Be Arranged)

Students need to plan semester schedules in advance in order to take required electives in the semester offered - junior or senior years