

College of Health & Sciences

2020-2021 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	CHEM 3214 Quantitative Analysis I
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	17-18 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) ^{^^}
---6 Minor or Electives (6 hours) ^{***}	---3 * Humanities-Western Civilization**
	---3 * Humanities & Social Sciences**
	---4 Minor or Electives (4 hours) ^{***}
14 TOTAL HOURS	14 TOTAL HOURS

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