

College of Health & Sciences

2019-2020 Chemistry Degree Plan

FIRST YEAR - FRESHMAN

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL	1-14 * 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 Nutrition FCS 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	MATH	3025 Calculus & Analytic Geometry II
	Engineering Physics I	PHYS	1214 General Physics II OR PHYS 2225
	---3 * Communication** (Speech or Language)		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)
	---6	Minor or Electives (6 hours)***		(CHEM 4421 recommended)^^
				---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	3484 Instrumental Analysis^^
		# (CHEM 4221 recommended-offered every fall)		---3 * Communication** (Computer Literacy)
	---3 *	Humanities-Cultural/Human Diversity		---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