

College of Health & Sciences

2019-2020 Chemistry - Biochemistry 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 Nutrition FCS 1513	PS	1113 * United States Government
MATH	1513 * College Algebra	BIOL	1314 * General Zoology OR BIOL 2344 General Microbiology
UNIV	1001 * Freshman Seminar		

16 or 17 TOTAL HOURS

17 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	---	3 * Social Sciences**
BIOL	2184 Human Anatomy	PHYS	1214 General Physics II OR PHYS 2225 Engineering Physics II

17-18 TOTAL HOURS

15-16 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	4514 Physical Chemistry I^	CHEM	4413 Advanced Inorganic Chemistry^^
CHEM	4213 Biochemistry [offered every fall]	CHEM	4114 Organic Chemistry II OR
CHEM	4221 Biochemistry Laboratory [offered every fall]	BIOL	3634 Human Physiology
BIOL	4313 Cell and Molecular Biology [offered every fall]	---	3 * Humanities-Western Civilization**
---	3 * Communication** (Speech or Language)	---	3 * Humanities & Social Sciences**
		---	3 Electives (3 hours)***

14 TOTAL HOURS

16 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	4114 Organic Chemistry II OR	CHEM	4523 Advanced Biochemistry^^^^
BIOL	3634 Human Physiology	CHEM	3484 Instrumental Analysis^^
4 hours required-not taken previous spring semester		BIOL	4545 Advanced Molecular Biology [offered even springs]
---	3 Electives (3 hours)***	---	3 * Communication** (Computer Literacy)
---	3 * Humanities-Cultural/Human Diversity		
---	4 Electives (4 hours)***		

14 TOTAL HOURS

15 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement **See current catalog "General Education Requirements" for selection ***Minor Not Required/Electives (8-16 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