# **College of Health & Sciences** 2021-2022 Chemistry - Biochemistry Degree Plan

### **FIRST YEAR - FRESHMAN**

<u>Fall</u> <u>Semester</u>		<u>.</u>	<u>Spring</u> <u>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	BIOL	1314 *	General Zoology OR BIOL 2344 General		
UNIV	1001 *	Freshman Seminar			Microbiology		
16 or 17 TOTAL HOURS		17 TOTAL HOURS					

#### **SECOND YEAR - SOPHOMORE**

<u>Fall</u> <u>Semester</u>		<u>r</u>			
CHEM	1214	General Chemistry II	CHEM	3114	Organic Chemistry I
Math	2825	Calculus & Analytic Geometry		3 *	Communication** (Speech or Language
PHYS	1114	General Physics I OR PHYS 2115		3 *	Social Sciences**
		Engineering Physics I	PHYS	1214	General Physics II OR PHYS 2225
BIOL	2184	Human Anatomy			Engineering Physics II
17-18 TOTAL HOURS			14-15 TC	OTAL HOURS	

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

#### Fall Semester Even Year

			CHEM	4413	Advanced Inorganic Chemistry^^^
CHEM	4514	Physical Chemistry I^	CHEM	4114	Organic Chemistry II OR
CHEM	4213	Biochemistry [offered every fall]	BIOL	3634	Human Physiology
CHEM	4221	Biochemistry Laboratory [offered every fall]		3 *	Humanities-Western Civilization**
BIOL	4313	Cell and Molecular Biology [offered every fall]		3 *	Humanities & Social Sciences**
	4	Electives (4 hours)***		3	Electives (3 hours)***

#### **15 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)

Fall Semester Odd Year			Spring S	Spring Semester Even			
CHEN	<i>I</i> 4114	Organic Chemistry II OR	CHEM	4523	Advanced Biochemistry		
BIO	L 3634	Human Physiology	CHEM	3484	Instrumental Analysis^^		
_ 4 h	ours requir	ed-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					

CHEM 3214 Quantitative Analysis I

#### **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

	14-15 TC	DTAL	HOUR	s
(beginning in	the fall	of an	even	v

Spring Semester Odd Year