

## Major Academic Plan

Catalog Year: 2021-22

**Degree** B.S.

**Major:** Chemistry (Biochemistry)

Major Academic Plans (MAP) show a general recommended pathway to graduation. Meet with your major advisor each semester to discuss your progress and degree plan for future semesters. Consult the HSU catalog for complete list of major program courses. See the current schedule of classes for courses offered in General Education, American Institutions, and Diversity & Common Ground requirements.

The online registration tutorial during orientation will help you:

- determine your CSU designated math "[placement category](#)" (1, 2, 3 or 4)
- choose your English class(es) through a similar self-directed process
- choose your Math class(es) based on your major and category information as described in the online registration tutorial

<b>Total units required</b>		<b>120</b>
<b>Freshman Year Fall (Semester 1)</b>		
Requirements Met:	Course	Units
GE Area A: Written Communication	ENGL 102* or ENGL 104 (+ optional ENGL 110)	3-4
GE Area B: Mathematics	MATH 102**	4
GE Area E: Lifelong Learning	SCI 100	3
Major & GE Area B: Physical Science	CHEM 109	5
<b>Semester Total:</b>		15-16
<i>*If ENGL 102 is selected, students must complete ENGL 103 in semester 2. Adjust spring courses in consultation with an advisor.</i>		
<i>** Prerequisite of math placement category 1, 2 or 3. Students in category 4 begin with MATH 101i + 1 and consult with advisor.</i>		
<b>Freshman Year Spring (Semester 2)</b>		
Requirements Met:	Course	Units
Major & GE Area B: Life Science	BOT 105 or BIOL 105	4
Major (Core)	MATH 109	4
Major (Core)	CHEM 110	5
GE Area F: Ethnic Studies & DCG Domestic	NAS 104	3
<b>Semester Total:</b>		16
<b>Sophomore Year Fall (Semester 3)</b>		
Requirements Met:	Course	Units
Major (Core)	CHEM 324 & 324L	5
Major (Core)	MATH 110	4
Major (Concentration)	BIOL 105 or ZOOL 110	4
GE Area A: Critical Thinking		3
<b>Semester Total:</b>		16
<b>Sophomore Year Spring (Semester 4)</b>		
Requirements Met:	Course	Units
Major (Core)	CHEM 325 & 325L	5
Major (Core)	CHEM 323	1
Major (Core)	MATH 210	4
Major (Core)	PHYX 109	4
GE Area A: Oral Communication	COMM 100	3
<b>Semester Total:</b>		17

To Do: Register for the GWPE		
<b>Junior Year Fall (Semester 5)</b>		
<b>Requirements Met:</b>	<b>Course</b>	<b>Units</b>
Major (Core)	PHYX 210	4
Major (Core)	CHEM 341	5
GE Area C: Arts		3
American Institutions/GE Area D: Social Science		3
	<b>Semester Total:</b>	15
<b>Junior Year Spring (Semester 6)</b>		
<b>Requirements Met:</b>	<b>Course</b>	<b>Units</b>
Major (Core)	PHYX 211	4
Major (Concentration)	BIOL 340	4
GE Area D: Social Science		3
GE Area C: Humanities		3
	<b>Semester Total:</b>	14
<b>Senior Year Fall (Semester 7)</b>		
<b>Requirements Met:</b>	<b>Course</b>	<b>Units</b>
Major (Concentration)	CHEM 434 & 434L	5
Major	CHEM 361	3
Major	BIOL 412, BOT 310 OR ZOO 310	4
Major (Core)	CHEM 485	1
GE Area C: Arts or Humanities		3
	<b>Semester Total:</b>	16
<b>Senior Year Spring (Semester 8)</b>		
<b>Requirements Met:</b>	<b>Course</b>	<b>Units</b>
Major	CHEM 435 & 435L	5
Major	CHEM 362	3
UD GE Area C		3
UD GE Area D & DCG		3
American Institutions		3
	<b>Semester Total:</b>	17
<b>Notes:</b>		
<b>GE modifications in this major:</b> the Upper Division Area B General Education requirement is met by completion of the major.		
<b>Abbreviations:</b>		
DCG = Diversity & Common Ground; GE = General Education; LD = Lower Division; UD = Upper Division		