

**Major/Degree: Chemistry BA [CHEMBA]**

**Units for the Major: 55 or 67**

**Total units for the degree: 120**

Major Academic Plans (MAP) show a general recommended pathway to graduation. Use this MAP to help build your individualized degree plan. 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. This MAP is based on the 2020-21 catalog.

Freshman Year					
Fall (semester 1)			Spring (semester 2)		
Requirement	Course	Units	Requirement	Course	Units
LD GE A1 [1]	ENGL 102 (+ optional ENGL 110)	3-4	LD GE A1 [1]	ENGL 103 (+ optional ENGL 110)	3-4
LD GE B: Math [1]	MATH 101i + MATH 1	4*	Prerequisite	MATH 101T	3
LD GE E	SCI 100	3	LD GE B:Physical; Major	CHEM 109	5
LD GE A3 [1]		3	LD GE D; DCG-d	NAS 104	3
LD GE A2 [1]		3			
*1 unit math support course does not count toward degree Semester Total: 16-17			Semester Total: 14-15		
Sophomore Year					
Fall (semester 3)			Spring (semester 4)		
Requirement	Course	Units	Requirement	Course	Units
Major	CHEM 110	5	Major	CHEM 324 & 324L	5
Major	MATH 105 or 109	3-4	Major	MATH 110 or 205	3-4
LD GE C1 or C2 [4]		3	Major	PYHX 109 or 106	4
American Institutions [2]		3	LD GE C1 or C2 [4]		3
Semester Total: 14-15			Semester Total: 15-17		
Junior Year					
Fall (semester 5) To Do: Apply to Graduate			Spring (semester 6) To Do: Take the GWPE.		
Requirement	Course	Units	Requirement	Course	Units
Major	CHEM 325 & 325L	5	Major	PHYX 210 or elective	3-4
Major	CHEM 323	1	Major or LD GE D	CHEM 441 [7] or	3-4
Major	CHEM 341	5	Major or LD GE D	CHEM 438 [6]	3-4
Major	MATH 210 or PHYX 107	4	LD GE B: Life Forms BIOL	102	3
American Institutions		3	LD GE C1 or C2 [4]		3
Semester Total: 18			Semester Total: 14-18		
Senior Year					
Fall (semester 7)			Spring (semester 8) To Do: Register for commencement		
Requirement	Course	Units	Requirement	Course	Units
Major	CHEM 310 [5]	3	Major	CHEM 410 & 410L [5,7] or	5
Major	CHEM 361	3	Major	CHEM 362 & 363 [7]	5
Major or elective	CHEM 434 & 434L [6] or elective	3-5	Major or elective	CHEM 435 & 435L [6] or elective	3-5
Major	PHYX 211	4	UD GE B, C or D [4]		3
UD GE B, C or D [4]		3	Major	CHEM 485	1
Semester Total: 16-18			Semester Total: 12-14		

A1=Written Communication; A2=Oral Communication; A3=Critical Thinking; C1=Arts; C2=Humanities; DCG=Diversity & Common Ground

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Notes:

[1] Requirement: Complete LD GE A1, A2, A3 & B: Math with a C- or higher in each course; complete by 60 units earned

[2] One American Institution course will also count for LD GE D.

[3] Science lab requirement: Take one science course with a lab.

[4] Complete 2 DCG courses (one domestic) with courses that also meet GE.

[5] CHEM 310, 410, and 410L are offered every other year (odd F and even S), so they may need to be taken in the Junior year. Please see an advisor to discuss this situation.

[6] Must take CHEM 438 or CHEM 434,434L, 435, and 435L.

[7] Must take CHEM 362 & 362L, 410 & 410L

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and the Department of Chemistry

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