

Major/Degree: Biology BS: General Biology Concentration

This major requires **69-79** units. A total of **120** units are required for a bachelor's degree.

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.

Academic Year: 2020-21

Freshman Year

Fall (semester 1)			Spring (semester 2)		
Description	Course	Units	Description	Course	Units
LD GE E	SCI 100	3	LD GE A1 [1]	ENGL 102 (+optional ENGL 110)	3-4
LD GE B: Math [1]	MATH 102	4	LD GE A3 [1]		3
LD GE B: Life; Major	BOT 105 or	4	LD GE B: Math; Major	MATH 105 or 109	3-4
LD GE B: Phys. Univ.; Major	CHEM 109	5	LD GE B: Phys. Univ.; Major	CHEM 109 or	5
LD GE D/DCG	NAS 104	3	LD GE B: Life Forms; Major	BOT 105 and/or	4
			Major [Core]	CHEM 110	5
Semester Total: 14			Semester Total: 18		

Sophomore Year

Fall (semester 3)			Spring (semester 4)		
Description	Course	Units	Description	Course	Units
LD GE A1 [1]	ENGL 103 (+optional ENGL 110)	3-4	LD GE A2 [1]	COMM 100	3
LD GE C1 or C2 [4]		3	LD GE C1 or C2[4]		3
LD GE B: Life; Major	BIOL 105	4	LD GE D [4]		3
Major [Core]	CHEM 110 or	0-5	Major [Core]	ZOOL 110	4
LD GE B: Life; Major	BOT 105	0-4	LD GE B: Math; Major	STAT 109	4
Semester Total: 14-16			Semester Total: 17-18		

Junior Year

Fall (semester 5)			Spring (semester 6)		
To Do: Apply to graduate.			To Do: Take the GWPE.		
Description	Course	Units	Description	Course	Units
American Institutions		3	American Institutions		3
LD GE C1 or C2 [4]		3	Major [Concentration]	CHEM 325/325L or Elective	0-5
DCG [4] if requirement	was not fulfilled by taking a double count GE	0-3	Major [Concentration]	BIOL 340	4
Major [Concentration]	BIOL 330	4	Major [Concentration]	UD Biology Course [6,7]	1-5
Major [Concentration]	CHEM 228 or CHEM 324/324L	4-5	LD GE B: Phys; Major	UD Biology Course [5,6]	4
Semester Total: 14-18			Semester Total: 12-21		

Senior Year

Fall (semester 7)			Spring (semester 8)		
			To Do: Register for commencement.		
Description	Course	Units	Description	Course	Units
UD GE B; Major	BIOL 307	4	UD GE C or D [4]		3
Major [Concentration]	UD Biology Course [6,7]	1-5	UD GE C or D [4]		3
Major [Concentration]	UD Biology Course [6,7]	1-5	Major [Concentration]	UD Biology Course [6,7]	1-5
Major [Concentration]	BIOL 412 or BIOL 433/433D	4	Major [Concentration]	UD Biology Course [6,7]	1-5
Major [Concentration]	PHYX 118	1	Major [Concentration]	UD Cells/Physio [6, 8]	3-4
Semester Total: 11-19			Semester Total: 10-20		

A1=Oral Communication; A2 = Written Communication; A3 = Critical Thinking; C1 = Arts; C2 = Humanities; DCG = Diversity & Common Ground; GE = General Education; LD = Lower Division; UD = Upper Division; See page 2 for notes.

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Notes

- [1] Requirement: Complete LD GE A1, A2, A3 & B: Math with 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 must be domestic) with courses that also meet GE. DCG units can be reduced with double count GE/
- [5] Credit earned for math support course does not count toward unit requirements for graduation, GE, or major.
- [6] Select major elective in consultation with major advisor
- [7] At least 12 UD Biology units to bring total to at least 30 UD units in Biological Sciences.
- [8] Take one of the following: BIOL 350, BOT 310, ZOO 310

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