

Major/Degree: Biology BS: Marine Biology Concentration

This major requires 81-87 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 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 102	4	LD GE A2 [1]	COMM 100	3
LD GE B: Physical Universe & Major: OCN 109/109L		4	LD GE B: Life Forms & Major: BOT 105		4
LD GE E	SCI 100	3	LD GE D & DCG-d	NAS 104	3
			LD GE A3 [1]	FOR 100	3
Semester Total: 14-15			Semester Total: 16-17		

Sophomore Year

Fall (semester 3)			Spring (semester 4)		
Description	Course	Units	Description	Course	Units
Major	CHEM 109	5	LD GE B: Life; Major	BIOL 105	4
Major	MATH 105 or MATH 109	3-4	Major [Core]	CHEM 110	5
Major [Concentration]	BIOL 255	3	Major	STAT 109	4
LD GE C1 or C2 [4]		3	American Institutions [2]		3
			LD GE C1 or C2 [4]		3
Semester Total: 14-15			Semester Total: 19		

Junior Year

Fall (semester 5)			Spring (semester 6)		
To Do: Apply to graduate.			To Do: Take the GWPE.		
Description	Course	Units	Description	Course	Units
Major [Core]	ZOOL 110	4	DCG [4] if requirement was not fulfilled by taking a double count GE		0-3
Major [Core]	CHEM 228	4	UD GE C or D [4]		3
American Institutions		3	Major [Core]	BIOL 340	4
LD GE C1 or C2 [4]		3	Major	PHYX 106	4
LD GE D [4]		3	Major [Concentration]	BIOL 330	4
Semester Total: 17			Semester Total: 15-18		

Senior Year

Fall (semester 7)			Spring (semester 8)		
To Do: Register for commencement.					
Description	Course	Units	Description	Course	Units
Major [Concentration]	PHYX 118 or 107	1/4	UD GE C or D		3
Major [Concentration]	ZOOL 314	5	UD GE B & Major	BIOL 307	4
Major [Concentration]	OCN 310 or Mar Bio Elect [6,8]	3-4	Major [Concentration]	BIOL 430 or Mar Bio Elect [6,8]	3-4
Major [Concentration]	Cells/Physiology Elective [6,7]	3-4	Major [Concentration]	BOT 356	4
Major [Concentration]	BIOL 490 or BIOL 498 or BIOL 499	1-2	Major [Concentration]	FISH 310	4
Semester Total: 13-19			Semester Total: 18-19		

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] Take one of the following BIOL 350, BOT 310, ZOO 310.

[8] Take one of the following or any optional course from elsewhere in the major: BIOL 418, BOT 553, FISH 375, FISH 435, OCN 410, ZOO 530, ZOO 552, ZOO 556.

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