

## Major Academic Plan

Catalog Year: 2021-22

**Degree** **B.S.**

**Major:** **Fisheries Biology (Freshwater)**

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>First Year Fall (Semester 1)</b>			
Requirements Met:	Course		Units
GE Area A: Written Communication [1]	ENGL 102 (+ optional ENGL 110)		3-4
GE Area B: Mathematics [1]	MATH 101 or (MATH 101i & MATH 1*)		3-4
Major (Core)	FISH 260		3
GE Area B: Physical Science [3]	CHEM 107		4
GE Area E: Lifelong Learning	SCI 100		3
<b>Semester Total:</b>			16-18
<i>*Credit earned for math support course does not count toward unit requirements for graduation, GE or major.</i>			
<b>First Year Spring (Semester 2)</b>			
Requirements Met:	Course		Units
GE Area A: Written Communication [1]	ENGL 103* (+optional ENGL 110)		3-4
GE Area A: Oral Communication [1]	COMM 100		3
Major & GE Area B: Life Science [3]	BIOL 105		4
Major (Core)	STAT 109		4
<b>Semester Total:</b>			14-15
<i>*If ENGL 104 was taken last semester, take an elective, other GE or major course in place of ENGL 103.</i>			
<b>Second Year Fall (Semester 3)</b>			
Requirements Met:	Course		Units
GE Area A: Critical Thinking [1]			3
GE Area C: Arts			3
Major (Core)	ZOOL 110		4
GE Area D: Social Science			3
<b>Semester Total:</b>			13
<b>Second Year Spring (Semester 4)</b>			
Requirements Met:	Course		Units
GE Area C: Humanities [4]			3
GE Area C: Arts or Humanities [4]			3
Major (Core)	Physical science course [5]		3-4
Major (Core)	FISH 310		4
Elective			3
<b>Semester Total:</b>			16-17
To Do: Register for the GWPE			

<b>Third Year Fall (Semester 5)</b>		
Requirements Met:	Course	Units
UD GE Area C [4, 8]		3
Major (Core)	FISH 314	3
Major (Concentration)	FISH 370	4
Major (Core)	FISH 380	3
American Institutions/GE Area F: Ethnic Studies/DCG Domestic [2]	NAS 200	3
	<b>Semester Total:</b>	16
<b>Third Year Spring (Semester 6)</b>		
Requirements Met:	Course	Units
American Institutions [2]	PSCI 110 or 159 or 410 or FOR 359	3
Major (Core)	FISH 311	3
Major (Core)	FISH 474	4
Major Elective [7]		3
	<b>Semester Total:</b>	13
<b>Fourth Year Fall (Semester 7)</b>		
Requirements Met:	Course	Units
Major (Core)	Quantitative course [6]	4
Major (Core)	FISH 460	3
Major (Concentration)	FISH 476	3
Major Elective [7]		3
Elective		3
	<b>Semester Total:</b>	16
<b>Fourth Year Spring (Semester 8)</b>		
Requirements Met:	Course	Units
Major (Concentration)	FISH 320/320L	4
Major (Concentration)	FISH 434	4
UD GE Area D [8]		3
Major Elective [7]		3
	<b>Semester Total:</b>	14
<b>Notes:</b>		
[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 Institutions 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.		
[5] Select one of the following: CHEM 128, GEOL 109, PHYX 106, OCN 109/109L.		
[6] Choose one quantitative course: FISH 458 or FISH 558		
[7] Used to satisfy the required 9 units of approved electives. Must be approved by advisor.		
[8] GE modifications in this major - the Upper Division GE Area B requirement is met by completion of the major.		
<b>Abbreviations:</b>		
DCG = Diversity & Common Ground; GE = General Education; LD = Lower Division; UD = Upper Division		

<p>[1] Students choose 1 of 2 pathways for math, physics and electives units: Pathway 1: MATH 105, MATH 215, STAT 109, PHYX 106, PHYX 107, 13 units of major electives decided with advisor. Pathway 2: MATH 109, MATH 110, MATH 210, PHYX 109, PHYX 210, 11 units of major electives decided with advisor.</p>		