

Major/Degree: Biology BS: Science Education Concentration

This major requires **72** 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, 5]	MATH 101 or (MATH 101i & MATH 1)	3-4	LD GE A3 [1]		3
LD GE B: Life Forms &	Major: BOT 105	4	Prerequisite	MATH 101T	3
LD GE D & DCG-d	NAS 104	3	LD GE B: Physical Universe & Major: CHEM 109		5

Semester Total: 13-14

Semester Total: 14-15

**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	3-4
LD GE B: Math; Major	MATH 105 or MATH 109	3-4	Major	STAT 109	4
Major [Core]	BIOL 105	4	LD GE C1 or C2 [4]		3
Major [Core]	CHEM 110	5	LD GE D [4]		3
			Major [Core]	ZOOL 110	4

Semester Total: 15-17

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 [2]		3	UD GE C or D [4]		3
LD GE C1 or C2 [4]		3	Major [Core]	BIOL 340	4
LD GE C1 or C2 [4]		3	Major	PHYX 106	4
Major [Core]	CHEM 228	4	Major [Concentration]	BIOL 448	3
Major [Concentration]	BIOL 330	4	Prerequisite	Elective or SED 210 [8]	0-3

Semester Total: 17

Semester Total: 14-17

**Senior Year**

Fall (semester 7)			Spring (semester 8)		
			To Do: Register for commencement.		
Description	Course	Units	Description	Course	Units
UD GE C or D [4]		3	Major [Concentration]	BOT 350	4
UD GE B; Major	BIOL 307	4	Major [Concentration]	GEOG 109	4
Major [Concentration]	BIOL 350	3	Major [Concentration]	ZOOL 312	4
Major [Concentration]	PHYX 107	4	Major [Concentration]	BIOL 499	2
Prerequisite	Elective or SED 410 [8]	0-3	American Institutions		3

Semester Total: 14-17

Semester Total: 17

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] Degree requirements listed here do not include professional education courses required for the credential.
- [8] Not a major requirement but, a prerequisite for applying to the Secondary Education Credential Program.

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