

Department of Biological Sciences

Ecology Emphasis

Sample Four Year Degree Program

HSU First Time Freshman

Note: This is a model four-year plan, not a guaranteed sequence or contract, based on the 2009-10 catalog. For updates please see major advisor.

1st Year		units			units
Fall Semester			Spring Semester		
Math 115 Algebra & Elem Functions		4	Biology 105 Principles of Biology		4
or Math 105 Calculus for Bio Sci & NR		3	Math 105 Calculus for Bio Sci & NR		3
Chemistry 109 General Chemistry		5	or Elective		3-4
LD GE Area A		3	LD GE Area A		3
LD GE Area C or D		3	LD GE Area C or D		3
		14-15	American Inst. – History or Gov't		3
					16-17

2nd Year		units			units
Fall Semester			Spring Semester		
Botany 105 General Botany		4	Zoology 110 Introductory Zoology		4
Elective or Biometry 109		3-4	Physics 106 College Physics		4
LD GE Area A		3	LD GE Area C		3
LD GE Area C		3	LD GE Area D		3
LD GE Area D		3	Physical Science course or elective		3-4
		16-17			17-18

3rd Year		units			units
Fall Semester			Spring Semester		
Biology 330 Principles of Ecology		4	Biology 345 Genetics w/ Pop Emph		4
Biometry 333 or Biometry 408, Adv Stat		4	or Biology 340 Genetics		4
UD course in systematic biology (choice)		3-5	Botany 310 Gen Plant Physiology		4
Physics 118 Biological Applications		1	or Zoology 310 Animal Physiology		4
UD GE		3	Biology 432 Community Ecology		3
		15-17	American Inst. – History or Gov't		3
			UD GE		3
					17

4th Year		units			units
Fall Semester			Spring Semester		
Biology 431 Population Ecology		3	Biology 438 Field Ecology		4
or Wildlife 478 Eco. of Wldf Populations		3	or Biology 490 Senior Thesis		1-2
Ecology Course chosen w/consent of advisor		3-4	Ecology Course chosen w/ consent of advisor		3-4
Chemistry 328 Brief Organic Chemistry		4	Biology 307 Evolution		4
UD GE		3	UD GE Area E		3
		13-14			15-17

Minimum of 120 units required for Bachelor of Science degree

LDGE Areas A, B, C, D 36 units

UDGE 12 units

LD major required courses 29-37 units

UD major required courses 27-40 units

(Revised 5/18/09)