

## Department of Biological Sciences

### Science Education (Biology) 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.

1 <sup>st</sup> Year		units			units
<b>Fall Semester</b>			<b>Spring Semester</b>		
Botany 105 General Botany	4	Biology 105 Principles of Biology	4		
Math 105 Calculus for Bio Sci & NR	3	Biometry 109 Introductory Biometrics	4		
Chemistry 109 General Chemistry	5	LD GE Area A	3		
LD GE Area A	3	LD GE Area C or D	3		
LD GE Area C or D	3	Elective	1-2		
	18		15-16		

2 <sup>nd</sup> Year		units			units
<b>Fall Semester</b>			<b>Spring Semester</b>		
Zoology 110 Introductory Zoology	4	Geology 109 General Geology	4		
Physic 106 College Physics	4	Physics 107 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	Education 285 Technology Skills for Educators	3		
	17		17		

3 <sup>rd</sup> Year		units			units
<b>Fall Semester</b>			<b>Spring Semester</b>		
Biology 330 Principles of Ecology	4	Biology 340 Genetics	4		
Botany 310 Plant Physiology	4	Secondary Education 210 Field Observation	1		
or Zoology 310 Animal Physiology	4	Secondary Education 410 Field Observ. Sem.	1		
Elective	3	Geology 375 Planet Earth	3		
UD GE	3	Chemistry 328 Brief Organic Chemistry	4		
UD GE	3		13		
	17				

4 <sup>th</sup> Year		units			units
<b>Fall Semester</b>			<b>Spring Semester</b>		
Botany 350 Plant Taxonomy	4	Biology 412 Bacteriology	4		
or Zoology 352 Nat. History of Vertebrates	4	Biology 440 Genetics Lab	2		
Biology 307 Evolution	4	Elective	3-4		
Elective	3-4	UD GE Area E	3		
UD GE	3		12-13		
	14-15				

Minimum of 120 units required for Bachelor of Science degree

LD GE Areas A, B, C, D 36 units

UDGE 12 units

LD major required courses 36 units

UD major required courses 31 units

Total LD and UD units required by major 67 (average 65)

Courses required for admission into Teaching Credential Program 5 units

(Revised 5/18/09)