Sample 4 Year Plan

* A sample 4 yr. plan for Teacher Certification in Biology is available; visit 103 Bessey.

Freshman Year

Semester 1

Engl 150 --Composition I	3
Lib 160 -- Library	0.5
Biol 110 -- Orientation to Biology	0.5
Biol 211 -- Princ of Biol I	3
Biol 211L -- Princ Biol I Lab	1
General Chem (163 or 177)	4
General Chem Lab (163L or 177L)	1
Math/Stat choice	3-4
	16-17

Semester 2

Biol 111 – Opportunities in Biol	0.5
Biol 212 -- Princ of Biol II	3
Biol 212L -- Princ Biol II Lab	1
General Chem (164 or 178)	4
General Chem Lab (164L or 178L)	1
Math/Stat choice	4
Social Science Choice	3
	16.5

Sophomore Year

Semester 3

Engl 250 --Composition II	3
Biol 312 – Ecology	4
Organic Chem (231 or 331)	3
Organic Chem Lab (231L or 331L)	1
Sp Cm 212- Speech	3
	14-15

Semester 4

Biol 313 -- Princ of Genetics	3
Biol 313L -- Lab	1
Chem (332(organic) or 211(quant))	3
Chem Lab (332L or 211L)	1
Humanity Choice	3
Minor or Elective	3
	14

Summer:
Consider Internship, Study Abroad, Field Stations, Research

Junior Year

Semester 5

Biol 314 -- Molecular Cell Bio	3
Biol 314L-- Lab	1
Physics 111-- Gen Phys I	4
Biology Advanced Course	3
US Diversity	3
	14

Semester 6

Biol 315 -- Evolution	3
Physics 112-- Gen Phys II	4
Biology Advanced Course	3
Ethics Course	3
Math/Stat choice	4
	17

Senior Year

Semester 7

Biology Advanced Course w/lab	4
Biology Advanced course	3
International Perspective	3
Minor or Electives	6
	16

Semester 8

Biology Advanced Course w/lab	4
Biology Advanced choice	3
Minor or Elective	6
	13

Notes:
Students must have 120 credits to graduate and fulfill all area requirements. This is only a suggested outline plan. Students may choose or be forced to deviate from this plan to satisfy unmet requirements or to add a minor or double major. We strongly suggest student involvement in internships, study abroad, summer field stations, Iowa Lakeside Lab, Field Trips in Biology or research opportunities at ISU. These will enhance your program of study but may add credits or time to your degree plan**. Students are required to take 8 credits from the Biology Designator to fulfill advanced biology credits and must also complete 2 courses with lab or field components in the advanced biology area**.