

Sample 4 Year Plan

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

Freshman Year

Semester 1

Engl 150 --Composition I	3
Biol 110 -- Introduction to Biology	0.5
Lib 160 -- Library	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
	<u>16-17</u>

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
Social Science Choice	3
Math/Stat choice	4
	<u>16.5</u>

Sophomore Year

Semester 3

Engl 105 --Composition II	3
Biol 312 – Ecology	4
Organic Chem (231 or 331)	3
Organic Chem Lab (231L or 331L)	1
For Lang. or Elective	4-3
	<u>14-15</u>

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
For. Lang. or Elective	3-4
	<u>14-15</u>

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/Humanity	3
Social Science	3
	<u>17</u>

Semester 6

Biol 315 -- Evolution	3
Physics 112-- Gen Phys II	4
Biology Advanced Course	3
Humanity/Int. Persp.	3
Elective or Minor	3
	<u>16</u>

Senior Year

Semester 7

Biology Advanced Courses (2)	6
Written Communication	3
Social Science	3
Elective or Minor	3
	<u>15</u>

Semester 8

Biology Advanced Courses (2)	6
Humanity	3
Elective or Minor	3
	<u>12</u>

Notes:

Students must have 120 credits. 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.**