

**Sample 4 Year Plan**

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

**Freshman Year**

<b>Semester 1</b>		<b>Semester 2</b>	
Engl 104 --Composition I	3	Engl 105 --Composition II	3
Biol 110 -- Introduction to Biology	R	Lib 160 -- Library	0.5
Biol 211 -- Princ of Biol I	3	Biol 111 -- Opportunities in Biol	0.5
Biol 211L -- Princ Biol I Lab	1	Biol 212 -- Princ of Biol II	3
General Chem (163 or 177)	4	Biol 212L -- Princ Biol II Lab	1
General Chem Lab (163L or 177L)	1	General Chem (164 or 178)	4
Math/Stat choice(see requirements)	3-4	General Chem Lab (164L or 178L)	1
	<u>15-16</u>	Math/Stat choice(see requirements)	<u>4</u>
			17

**Sophomore Year**

<b>Semester 3</b>		<b>Semester 4</b>	
Biol 312 -- Ecology	4	Biol 313 -- Princ of Genetics	3
Organic Chem (231 or 331)	3	Biol 313L -- Lab	1
Organic Chem Lab (231L or 331L)	1	Chem (332(Organic) or 211(Quant))	3
Social Science Choice	3	Chem Lab (332L or 211L)	1
For Lang. or Elective	4-3	Humanity Choice	3
	<u>14-15</u>	For. Lang. or Elective	<u>3-4</u>
			14-15

Summer:  
Consider Internship, Study Abroad, Field Stations

**Junior Year**

<b>Semester 5</b>		<b>Semester 6</b>	
Biol 314 -- Molecular Cell Bio	3	Biol 315 -- Evolution	3
Biol 314L-- Lab	1	Physics 112-- Gen Phys II	4
Physics 111-- Gen Phys I	4	Biology Advanced Course	3
Biology Advanced Course	3	Humanity/Int. Persp.	3
US Diversity/Humanity	3	Elective or Minor	<u>3</u>
Social Science	<u>3</u>		16
	17		

Consider Research with Faculty

**Senior Year**

<b>Semester 7</b>		<b>Semester 8</b>	
Biology Advanced Courses (2)	6	Biology Advanced Courses (2)	6
Written Communication	3	Humanity	3
Social Science	3	Elective or Minor	<u>3</u>
Elective or Minor	<u>3</u>		12
	15		

**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.