

**Iowa State University  
College of Agriculture  
Agricultural Biochemistry Eight-Semester Plan  
2003-2005 Catalog**

**Semester 1**

Chem 177	General Chemistry	4
Chem 177L	Laboratory in General Chemistry	1
Math 165	Calculus I	4
Engl 104	First Year Composition	3
Biol 201	Principles of Biology I	3
Biol 201L	**Principles of Biology Lab	1
BBMB 101	Introd. to Biochemical Activities	1
Lib 160	Library Instruction	<u>.5</u>
		17.5

**Semester 3**

Phys 221	Introd. to Classical Physics	5
Chem 211	Quantitative and Environ. Anal	2
Chem 211L	Quantitative and Environ. Anal	2
Chem 331	Organic Chemistry	3
Chem 331L	Laboratory in Organic Chemistry	1
Biol 301	Principles of Genetics	<u>3</u>
		16

**Semester 5**

BBMB 404	Biochemistry	3
BBMB 411	Gen. Biochemical Research Tech	3
Electives*	3 to 4 courses	<u>9-12</u>
		15-18

**Semester 7**

Chem 321	Physical Chemistry I	3
Electives*	4 to 5 courses	<u>12-15</u>
		15-18

\*Elective are courses in Humanities, Ethics, Social Sciences, Agricultural Sciences, International Perspective, and US. Diversity. BBMB 490 or 499 (Independent Study or Undergraduate Research) is encouraged.

\*\*Students can elect either Biol. 201L or 202L or both.

**Semester 2**

Chem 178	General Chemistry	3
Math 166	Calculus	4
Eng 105	First Year Composition	3
Biol 202	Principles of Biology II	3
Bio 202L	**Laboratory in Biol. II	1
BBMB 102	Introd. to Biochemistry	1
Electives*		<u>3</u>
		18

**Semester 4**

Phys 222	Introd. to Classical Physics II	5
Chem 332	Organic Chemistry	3
Biol 302	Mol. Cell Biol. and Biochem.	3
SpCm212	Fund. of Public Speaking	3
Math 265	Calculus III	4
or 266	or Elemental Differential Equations	<u>3</u>
		17/18

**Semester 6**

BBMB 405	Biochemistry	3
Electives*	4 to 5 courses	<u>12-15</u>
		15-18

**Semester 8**

Chem 322	Physical Chemistry II	3
Chem 322L	Laboratory in Phys. Chem.	3
Electives*	3 to 4 courses	<u>9-12</u>
		15/18