

Applied Mathematics and Computer Science  
 Bioinformatics Concentration Sample Schedule –120 credits

**Freshman**

Fall

Calc & Anal Geom 1	5
Computer Science 1	3
English 101/111	3
GE—HUM/ES	3
Physical Education or Health 1	<u>1</u>
	15

Spring

Calc & Anal Geom 2	5
Computer Science 2	3
English 102/112	3
Speech	2
GE—SBSCI/GP	<u>3</u>
	16

**Sophomore**

Fall

Linear Algebra	3
Data Structures	4
College Chemistry 1—GE	5
Issues in Biotechnology—GE 2	<u>2</u>
	14

Spring

Molecular Cell Biology 1	5
GE—HUM/GP	3
College Chemistry 2	5
Calculus 3	<u>3</u>
	16

**Junior**

Fall

Prob and Math Stat 1	3
Organic Chemistry 1	4
Molecular Cell Biology 2	4
GE—SBSCI/ES	3
Physical Education or Health 1	<u>1</u>
	15

Spring

Prob and Math Stat 2	3
Database Systems	3
Biotechnology	3
CS Selective	3
GE—SBSCI/ES	<u>3</u>
	15

**Senior**

Fall

Biology Selective	4
Math Models 1	2
Math Selective	3
GE—HUM/GP	3
CS Selective	<u>3</u>
	15

Spring

Math Models 2	2
Math Selective	3
Chem Selective (Chem 311)	4
CS Selective	3
Bioinformatics	<u>2</u>
	14