

## **BS MATH Prob/Stat + Biology/Bioinformatics Minor**

### FRESHMAN YEAR

#### Fall Semester

Course#	Course Name	Cr.
MATH.1020	Freshman Seminar	1
MATH.1310	Calculus I (MATH)	4
BIOL.1110	Principles of Biology I (SCL)	3
BIOL.1170L	Principles of Biology I Lab	1
ENGL.1010	College Writing I (CW)	3
xxxx.xxxx	Free Elective	3
Total	15	

#### Spring Semester

Course#	Course Name	Cr.
MATH.1320	Calculus II	4
MATH.2910	Discrete Structures I	3
BIOL.1120	Principles of Biology II (SCL)	3
BIOL.1180L	Principles of Biology II Lab	1
ENGL.1020	College Writing II (CW)	3
Total	14	

### SOPHOMORE YEAR

#### Fall Semester

Course#	Course Name	Cr.
MATH.2310	Calculus III	4
MATH.3850	Applied Statistics	3
BIOL.2350	Genetics (CTPS, AIL, SCL, STEM)	3
COMP.1010	Computing I	3
COMP.1030L	Computing I Lab	1
Total	16	

## Spring Semester

Course#	Course Name	Cr.
MATH.2210	Linear Algebra I	3
MATH.2xxx	Differential Equations (CTPS), (QL)	3
BIOL.2400	Evolution, Ecology and Conservation (SCL)	3
COMP.1020	Computing II	3
COMP.1040L	Computing II Lab	1
xxxx.xxxx	Free Elective	3
Total	16	

## JUNIOR YEAR

### Fall Semester

Course#	Course Name	Cr.
MATH.4070	Probability and Mathematical Statistics I	3
MATH.2220	Linear Algebra II	3
BIO.4050L	Bioinformatics (SCL)	4
xxxx.xxxx	Social Sciences Persp. (SS)	3
xxxx.xxxx	Arts and Hum. Persp. (AH)	3
Total	16	

### Spring Semester

Course#	Course Name	Cr.
MATH.4860	Probability and Mathematical Statistics II	3
MATH.xxxx	Analysis	3
MATH.3750	Senior Seminar I	1
xxxx.xxxx	Free Elective	3
xxxx.xxxx	Social Sciences Persp. (SS)	3
xxxx.xxxx	Arts and Hum. Persp. (AH)	3
Total	16	

## SENIOR YEAR

### Fall Semester

Course#	Course Name	Cr.
MATH.5930	Experimental Design	3
MATH.4750	Senior Seminar II (AIL), (IL), (WOC)	3
MATH.xxxx	Math Elective	3
BIOL.4320	Genomics	3
BIOL.4340L	Genomics Lab	1
xxxx.xxxx	Social Sciences Persp. (SS)	3
Total	16	

### Spring Semester

Course#	Course Name	Cr.
MATH.5910	Linear Models/Regression	3
MATH.xxxx	Math Elective	3
MATH.xxxx	Math Elective	3
xxxx.xxxx	Arts and Hum. Persp. (AH)	3
xxxx.xxxx	Free Elective	3
Total	15	

Note: A student who successfully completes this program will automatically be granted a biology minor.