

## Biology: Cell and Molecular – Bachelor of Science

### FIRST YEAR

<b>Fall Semester</b>	<b>16-18 Hours</b>
UNIV 1001/1113 Intro to Univ Life/Study Strats .....	(1/3)
ENGL 1113 English Composition I .....	(3)
MATH 1513 College Algebra (or higher).....	(3)
<b>BIOL 1364/1364L Principles of Biology I/Lab (FA, SP)</b> .....	(4)
CHEM 1364/1 General Chemistry I/Lab.....	(5)

<b>Spring Semester</b>	<b>16 Hours</b>
ENGL 1213 English Composition II.....	(3)
MATH 1613 Plane Trigonometry (or higher).....	(3)
<b>BIOL 1474/1474L Principles of Biology II/Lab (FA, SP)</b> .....	(4)
CHEM 1474/1 General Chemistry II/Lab.....	(5)
General Education Health and Wellness .....	(1)

### THIRD YEAR

<b>Fall Semester</b>	<b>16 Hours</b>
General Education Humanities-Aesthetics .....	(3)
<b>BIOL 3043 Evolution (FA)</b> .....	(3)
BIOL 3174/3174L Molecular Biology/Lab.....	(4)
PHYS 1115/1115L Physics I/Lab .....	(5)
<b>BIOL 3901 Capstone I (!) (FA)</b> .....	(1)

<b>Spring Semester</b>	<b>16 Hours</b>
General Education Humanities-Diversity.....	(3)
<b>BIOL 2144/2144L Botany/Lab (SP)</b> .....	(4)
BIOL 4174/4174L Cell Biology/Lab .....	(4)
PHYS 1215/1215L Physics I/Lab .....	(5)

### SECOND YEAR

<b>Fall Semester</b>	<b>15 Hours</b>
COMM 1113 Principles of Communication.....	(3)
MIS 2113 Fundamental MIS Tools and Skills.....	(3)
<b>BIOL 2154/2154L Zoology/Lab (FA)</b> .....	(4)
CHEM 3314/3314L Organic Chemistry I/Lab .....	(4)
General Education Health and Wellness.....	(1)

<b>Spring Semester</b>	<b>15 Hours</b>
HIST 1483/1493 U.S. History to/since 1865 .....	(3)
General Education Behavioral Science.....	(3)
<b>BIOL 3014/3014L Genetics/Lab (FA, SP)</b> .....	(4)
CHEM 3324/3324L Organic Chemistry II/Lab .....	(4)
General Education Health and Wellness.....	(1)

### FOURTH YEAR

<b>Fall Semester</b>	<b>16 Hours</b>
General Education Economics.....	(3)
Upper Division Biology Elective .....	(4)
CHEM 4403 Biochemistry I .....	(3)
PS 1113 American Federal Government.....	(3)
Upper Division General Elective.....	(3)

<b>Spring Semester</b>	<b>15 Hours</b>
Upper Division Biology Electives .....	(8)
General Elective.....	(3)
<b>BIOL 4901 Biology Capstone II (SP)(!)</b> .....	(1)
General Elective .....	(3)

<sup>M</sup> Denotes Minimum Grade Needed for Course

<sup>R</sup> Denotes Restriction to Students Admitted to Educator Preparation Program

! Denotes Critical Course

**Bolded** courses indicate guaranteed course rotation for major core: (FA=Fall; SP=Spring; SU=Summer; O=Odd Year; E=Even Year).

This is a recommended semester-by-semester plan of study for this major for a hypothetical student and will not substitute for meeting with an advisor to discuss individual student needs. Course offerings are subject to change based on enrollment. However, courses or requirements designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

### Graduation Requirements Summary

Minimum Total Hours for Graduation	124
Minimum Upper-Division Hours	40
Minimum Gen Ed Hours	44
Minimum Liberal Arts Hours	55
Minimum Major GPA	2.000
Minimum Overall GPA	2.000