

# BACHELOR OF SCIENCE IN MOLECULAR AND CELLULAR BIOLOGY

## SYSTEMS AND BIG DATA SUB-PLAN

### Sample Four Year Plan:

(Based on the 2021-22 Catalog)

For the calculus-ready student preferring to start **with one laboratory science course** the first semester.

### FIRST YEAR

#### Fall

ENGL 101.....	3
MATH 122A/B .....	5
CHEM 151.....	4
Tier 1 Gen Ed.....	3
MCB 195.....	<u>1</u>
<b>Total:</b>	<b>16</b>

#### Spring

ENGL 102.....	3
MATH 129 .....	3
CHEM 152.....	4
ECOL 182R.....	3
ECOL 182L .....	<u>1</u>
<b>Total:</b>	<b>14</b>

### SECOND YEAR

#### Fall

CHEM 241A .....	3
CHEM 243A .....	1
MCB 181R.....	3
MCB 181L .....	1
Math 223.....	3
Tier 1 Gen Ed.....	<u>3</u>
<b>Total:</b>	<b>14</b>

#### Spring

CHEM 241B .....	3
CHEM 243B .....	1
MCB 301.....	4
MATH 254 or 355 .....	3
Tier 1 Gen Ed.....	3
Tier 1 Gen Ed.....	<u>3</u>
<b>Total:</b>	<b>17</b>

### THIRD YEAR

#### Fall

PHYS 102 .....	3
PHYS 181 .....	1
MCB 304.....	4
MCB 315.....	3
MATH 313 .....	3
Upper Div. Free Elective.....	<u>3</u>
<b>Total:</b>	<b>17</b>

#### Spring

PHYS 103 .....	3
PHYS 182 .....	1
MCB 305.....	4
MATH 363 .....	3
MCB 480.....	3
Tier 2 Gen Ed.....	<u>3</u>
<b>Total:</b>	<b>17</b>

### FOURTH YEAR

#### Fall

Sub-Plan Lab or Thesis I .....	3
MCB 447.....	3
Upper Div. Free Elective.....	3
Tier 2 Gen Ed.....	3
2 <sup>nd</sup> Language .....	<u>4</u>
<b>Total:</b>	<b>16</b>

#### Spring

Sub-Plan Writing or Thesis II..	3
Sub-Plan Course .....	3
Tier 2 Gen Ed .....	3
CSC 250 .....	3
2 <sup>nd</sup> Language .....	<u>4</u>
<b>Total:</b>	<b>16</b>

**120 total units required; 42 units must be upper division**

Updated on 3/3/2021 by K. Dyson