

# BACHELOR OF SCIENCE IN MOLECULAR AND CELLULAR BIOLOGY

## SYSTEMS AND BIG DATA SUB-PLAN – 2018-2019 CATALOG YEAR

### Sample Four Year Plan:

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

#### FIRST YEAR

##### Fall

ENGL 101 or 109H.....	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.....	1
<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
Upper Div. Free Elective.....	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 310 or 313.....	3
Tier 1 Gen Ed.....	<u>3</u>
<b>Total:</b>	<b>17</b>

##### Spring

PHYS 103.....	3
PHYS 182.....	1
MCB 305.....	4
MATH 363 or 375.....	3
MCB 447.....	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 480.....	3
CSC 250 or Free Elevantive.....	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
Upper Div. Free Elective.....	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 5/10/2018 by K. Dyson*

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