

BACHELOR OF SCIENCE IN MOLECULAR AND CELLULAR BIOLOGY

SYSTEMS AND BIG DATA SUB-PLAN

Sample Four Year Plan:

(Based on the 2019-2020 Catalog)

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>
Total:	16

Spring

ENGL 102.....	3
MATH 129	3
CHEM 152.....	4
ECOL 182R.....	3
ECOL 182L	1
Total:	14

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>
Total:	14

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>
Total:	17

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>
Total:	17

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>
Total:	17

FOURTH YEAR

Fall

Sub-Plan Lab or Thesis I	3
MCB 480.....	3
CSC 250 or Free Elective	3
Tier 2 Gen Ed.....	3
2 nd Language	<u>4</u>
Total:	16

Spring

Sub-Plan Writing or Thesis II..	3
Sub-Plan Course	3
Tier 2 Gen Ed	3
Upper Div. Free Elective.....	3
2 nd Language	<u>4</u>
Total:	16

120 total units required; 42 units must be upper division

Updated on 8/8/2019 by K. Dyson