

BACHELOR OF SCIENCE IN MOLECULAR AND CELLULAR BIOLOGY

SYSTEMS AND BIG DATA SUB-PLAN

Sample Four Year Plan:

(Based on the 2024-25 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 or 119A.....	5
CHEM 151.....	4
Exp. Perspectives Gen Ed	3
MCB 195.....	1
UNIV 101.....	1
Total:	17

Spring

ENGL 102.....	3
MATH 129 or 263	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
Exp. Perspectives Gen Ed	3
Exp. Perspectives Gen Ed	3
Total:	14

Spring

CHEM 241B	3
CHEM 243B	1
MCB 301.....	4
Exp. Perspectives Gen Ed	3
Building Conn. Gen Ed.....	3
CSC 250 or BE 434	3
Total:	17

THIRD YEAR

Fall

MCB 304.....	4
MCB subplan elective.....	3
MCB subplan elective.....	3
2 nd language.....	4
Upper Div. Free Elective.....	3
Total:	17

Spring

MCB 305.....	4
MCB subplan elective.....	3
Building Conn. Gen Ed.....	3
Building Conn. Gen Ed.....	3
2 nd language	4
Total:	17

FOURTH YEAR

Fall

MCB Lab or Honors Thesis I ...	3
General MCB Elective.....	3
Upper Div. Free Elective.....	3
PHYS 102	3
PHYS 181	1
UNIV 301.....	1
Total:	17

Spring

MCB Writing or Hon. Thesis II	3
Upper Div. Free Elective.....	3
Upper Div. Free Elective.....	3
PHYS 103	3
PHYS 182	1
Total:	13

120 total units required; 42 units must be upper division

Updated on 8/14/2024 by K. Dyson