

BACHELOR OF SCIENCE IN MOLECULAR AND CELLULAR BIOLOGY

SYSTEMS AND BIG DATA SUB-PLAN

Sample Four Year Plan:

(Based on the 2025-26 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
Building Conn. Gen Ed.....	3
Total:	17

SECOND YEAR

Fall

CHEM 241A	3
CHEM 243A	1
MCB 181R.....	3
MCB 181L	1
2 nd language.....	4
Exp. Perspectives Gen Ed	3
Total:	15

Spring

CHEM 241B	3
CHEM 243B	1
2 nd language.....	4
Exp. Perspectives Gen Ed	3
CSC 250 or BE 434	3
Total:	14

THIRD YEAR

Fall

MCB 304.....	4
Building Conn. Gen Ed.....	3
Building Conn. Gen Ed.....	3
Sub-Plan Elective.....	3
Upper Div. Free Elective.....	3
Total:	16

Spring

MCB 305.....	4
Sub-Plan Elective.....	3
Sub-Plan Elective.....	3
UNIV 301.....	1
Free/Minor Elective	3
Total:	14

FOURTH YEAR

Fall

MCB Lab or Honors Thesis I ...	3
MCB 306.....	4
General MCB Elective.....	3
Upper Div. Free Elective.....	3
PHYS 110	4
Total:	17

Spring

MCB Writing or Hon. Thesis II	3
Upper Div. Free Elective.....	3
Upper Div. Free Elective.....	3
PHYS 111	4
Total:	13

120 total units required; 42 units must be upper division

Updated on 3/13/2026 by K. Dyson