

# BACHELOR OF SCIENCE IN MOLECULAR AND CELLULAR BIOLOGY

## GENETICS AND HUMAN HEALTH 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
<b>Total:</b>	<b>17</b>

#### Spring

ENGL 102.....	3
MATH 129 or 263 .....	3
CHEM 152.....	4
ECOL 182R.....	3
ECOL 182L .....	1
Building Conn. Gen Ed.....	3
<b>Total:</b>	<b>17</b>

### SECOND YEAR

#### Fall

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

#### Spring

CHEM 241B .....	3
CHEM 243B .....	1
2 <sup>nd</sup> language.....	4
Exp. Perspectives Gen Ed . ....	3
Free/Minor Elective .....	3
<b>Total:</b>	<b>14</b>

### THIRD YEAR

#### Fall

MCB 304.....	4
Building Conn. Gen Ed.....	3
Building Conn. Gen Ed.....	3
Sub-Plan Elective.....	3
MCB 330.....	1
Upper Div. Free Elective.....	3
<b>Total:</b>	<b>17</b>

#### Spring

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

### 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
<b>Total:</b>	<b>17</b>

#### Spring

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

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

*Updated on 3/13/2026 by K. Dyson*