

2024/25

Undergraduate Calendar

## **Program Planning Guide**

Bachelor of Science: Biochemistry and Molecular Biology

**YOUR COURSE PLANNING:** This worksheet has been created as a guide for admitted students. Note, your course planning may look different than another student; this worksheet has been designed for students wishing to complete their program within a four-year timeline. Students may elect to take part-time studies or a reduced course load. Refer to the <a href="Undergraduate Academic Regulations">Undergraduate Academic Regulations</a> within the Undergraduate Calendar for more information.

For requirements that have a "pick list" (i.e. *choose one of*) please visit the Undergraduate Calendar to see a detailed list. The list or requirements may change, so please ensure you follow the appropriate requirements (the <a href="https://example.com/2024-2025">2024-2025</a> Undergraduate Calendar). After July 1, 2024, you can find the calendar in a PDF format.

100/200 Level Requirements				
Requirements	Credit Hours	Course Selected	Done	
BIOL 103	3			
BIOL 104	3			
BIOL 123	1			
BIOL 124	1			
CHEM 100	3			
CHEM 101	3			
CHEM 120	1			
CHEM 121	1			
MATH 100	3			
MATH 101	3			
PHYS 100 or	4			
PHYS 110	'			
PHYS 101 or	4			
PHYS 111				
BCMB 255	2			
BIOL 203	3			
BIOL 210	3			
CHEM 201	3			
CHEM 203	3			
CHEM 204	3			
CHEM 250	1			
CHEM 251	1			
STAT 240 or	3			
STAT 371				
300/400 Level Requirements				
BCMB 306	3			
BCMB 310	3			

300/400 Level Requirements				
Requirements	Credit Hours		Done	
BCMB 320	3			
BCMB 340	3			
BIOL 311	3			
BCMB 404	3			
Pick list: students must				
choose four courses	3			
from their upper-	3			
division pick list.	3			
Subject requirements: students must choose nine additional credit hours from either BIOL, CHEM, BCMB or pick list, of which 6-credit hours must be at the 300/400-level	3			
	3			
	3			
Other				
Electives: any level	3			
	3			
	3			
	3			
	3 3 3 3			
	3			
	3			
	3			
	3			
	3			
	3			
	3			
Total Credit Hours	127			

**BREADTH REQUIREMENT:** As a part of this program, students will have satisfied their Natural Sciences breadth requirement (with the required BIOL courses), and Physical Sciences breadth requirement (with the required CHEM, MATH, and PHYS courses). As such, please take a three credit course for the Arts & Humanities breadth requirement and a three credit course for the Social Sciences breadth requirement.

UNDERGRADUATE CALENDAR: It is the student's responsibility to be aware of all University of Northern British

#### **EFFECTIVE SEPTEMBER 2024**

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2024/25

Undergraduate Calendar

Columbia <u>Undergraduate Calendar</u> regulations. Academic regulations, program information, course information, and prerequisites can be found in this document.

# **Sample Sequencing Plan**

First Year				
Fall	Winter			
BIOL 103 and BIOL 123	BIOL 104 and BIOL 124			
CHEM 100 and CHEM 120	CHEM 101 and CHEM 121			
MATH 100	MATH 101			
PHYS 100 or PHYS 110	PHYS 101 or PHYS 111			
Elective (chosen to fulfill	Elective (chosen to fulfill			
Academic Breadth)	Academic Breadth)			
Second Year				
CHEM 201 and CHEM 250	BCMB 255			
BIOL 210	BIOL 203			
STAT 240 or STAT 371	CHEM 203 and CHEM 251			
Elective	CHEM 204			
Elective	Elective			
Third Year				
BCMB 306	BCMB 320			
BCMB 310	BIOL 311			
Elective, Pick-list, or	BCMB 340			
Subject Requirement				
Elective, Pick-list, or	Elective, Pick-list, or Subject			
Subject Requirement	Requirement			
Elective, Pick-list, or	Elective, Pick-list, or Subject			
Subject Requirement	Requirement			
Fourth Year				
BCMB 404	Elective, Pick-list, or Subject			
	Requirement			
Elective, Pick-list, or	Elective, Pick-list, or Subject			
Subject Requirement	Requirement			
Elective, Pick-list, or	Elective, Pick-list, or Subject			
Subject Requirement	Requirement			
Elective, Pick-list, or	Elective, Pick-list, or Subject			
Subject Requirement	Requirement			
Elective, Pick-list, or	Elective, Pick-list, or Subject			
Subject Requirement	Requirement			

### **Course Notes**

- BCMB 340 requires completion of PHYS 101 or PHYS 111, and CHEM 204 with a minimum grade of C.
- BCMB 360 requires completion of CHEM 204 with a minimum grade of C.
- Students without Pre-Calculus 12 (high school) may register in MATH 115 as a prerequisite for MATH requirements, and co-requisite for CHEM 100/CHEM 120.

### **Advisor Notes**

**STUDENT ADVISING:** Is available by phone, email, or in person. The drop-in schedule can be found at <a href="https://www.unbc.ca/advising">https://www.unbc.ca/advising</a>. For information on booked appointments, please contact advising@unbc.ca.

**DEGREE EVALUATIONS:** The <u>Degree Evaluation</u> is an interpretation of the Undergraduate Calendar for the year that you were admitted and helps display the requirements needed for your program.

**DOUBLE MAJORS:** Students considering a double major should speak with their Student Advisor as soon as possible.

**MINORS:** To see available minors, please refer to the <u>Declaration of Minor form</u> or look in the Program pages of the <u>Undergraduate Calendar</u>. Minors are a structured way to use your electives while also completing a secondary concentration.

**RESIDENCY REQUIREMENT:** Students must complete a minimum of 30 credit hours of upper division UNBC course work to receive a UNBC degree.

**TIME LIMIT:** Except by permission of the Dean, students must complete their undergraduate degree program within 15 years of their first semester of registration.

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