

## Program Planning Guide

### Bachelor of Science: Chemistry

**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 [Undergraduate Academic Regulations](#) 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 [2025-2026 Undergraduate Calendar](#)). After July 1, 2025, 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		
CPSC 100 or CPSC 110	4 or 3		
MATH 100	3		
MATH 101	3		
PHYS 100 or PHYS 110	4		
PHYS 101 or PHYS 111	4		
CHEM 200	3		
CHEM 201	3		
CHEM 202	3		
CHEM 203	3		
CHEM 204	3		
CHEM 210	3		
CHEM 250	1		
CHEM 251	1		
MATH 220	3		
MATH 200 or STAT 371	3		
300/400 Level Requirements			
CHEM 300 or CHEM 305	3		
CHEM 310	3		

300/400 Level Requirements			
Requirements	Credit Hours	Course Selected	Done
CHEM 315	3		
CHEM 320 or CHEM 321	3		
CHEM 322	3		
CHEM 401	3		
CHEM 406	3		
CHEM 407	3		
Nine credit hours of 300/400-level CHEM (See <a href="#">undergraduate calendar</a> for alternative, accepted courses)	3		
	3		
Three credit hours of 400-level CHEM (See <a href="#">undergraduate calendar</a> for alternative, accepted courses)	3		
	3		
Other			
Electives: any level	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
Total Credit Hours		128	

**BREADTH REQUIREMENT:** As a part of this program, students will have satisfied their Natural Sciences and Physical Sciences breadth requirements. As such, please take a three credit course for the Arts & Humanities and a three credit course for the Social Sciences [breadth requirement](#).

**EFFECTIVE SEPTEMBER 2025**

**NOTE:** Although every attempt has been made to ensure the information on this worksheet is accurate, in the case of any discrepancy the Academic Calendar shall be considered the authority. This program planning worksheet is an unofficial planning tool for students new to UNBC and for students in a non-competitive entry program. Once you have been admitted, please use your degree evaluation as it is the official degree program-tracking document. You can find more information about how to use your degree evaluation at [unbc.ca/advising](http://unbc.ca/advising).

## 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 (with PHYS 100) or PHYS 111 (with PHYS 110)
CPSC 100 or elective (chosen to fulfill Academic Breadth)	CPSC 110 (if CPSC 100 not taken) or elective (chosen to fulfill Academic Breadth)
Second Year	
CHEM 201 and CHEM 250	CHEM 200
CHEM 202	CHEM 203 and CHEM 251
CHEM 210	CHEM 204
MATH 200 or STAT 371	MATH 220
Elective	Elective
Third Year	
CHEM 310	CHEM 300* or CHEM 305*
CHEM 320* or CHEM 321*	CHEM 315*
Elective or UD CHEM (to 12-credit hours)	CHEM 322*
Elective or UD CHEM (to 12-credit hours)	Elective or UD CHEM (to 12-credit hours)
Elective or UD CHEM (to 12-credit hours)	Elective or UD CHEM (to 12-credit hours)
Fourth Year	
CHEM 401	CHEM 407
CHEM 406	Elective or UD CHEM (to 12-credit hours)
Elective or UD CHEM (to 12-credit hours)	Elective or UD CHEM (to 12-credit hours)
Elective or UD CHEM (to 12-credit hours)	Elective or UD CHEM (to 12-credit hours)
Elective or UD CHEM (to 12-credit hours)	Elective or UD CHEM (to 12-credit hours)

## Course Notes

- PHYS 110/PHYS 111 are strongly recommended.
- \*CHEM 300, 305, CHEM 315, CHEM 320, CHEM 321, and CHEM 322 are offered every two years on alternating schedules. Please see your Student Advisor for more information.
- For upper-division (UD) CHEM: Up to six credit hours from BCMB 306-3, BCMB 340-3, BCMB 401-3, BCMB 402-3, BCMB 403-3, or BCMB 405-3 may be used to satisfy these requirements.
- A total of 54-credit hours of upper-division (300/400-level) coursework must be successfully completed to meet degree requirements.

## Advisor Notes

**STUDENT ADVISING:** Your Advisor is available for virtual drop-ins or bookable (in-person, Zoom, or phone) appointments – this schedule can be found at [unbc.ca/advising/meet-your-advisor](https://unbc.ca/advising/meet-your-advisor). You can also email any questions or information to [fse.advising@unbc.ca](mailto:fse.advising@unbc.ca).

**DEGREE EVALUATIONS:** The [Degree Evaluation](#) 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 who are considering a double major should speak with their Student Advisor as soon as possible.

**MINORS:** To see available minors, please refer to the [Declaration of Minor form](#) or look in the Program pages of the [Undergraduate Calendar](#). 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.

### EFFECTIVE SEPTEMBER 2025

**NOTE:** Although every attempt has been made to ensure the information on this worksheet is accurate, in the case of any discrepancy the Academic Calendar shall be considered the authority. This program planning worksheet is an unofficial planning tool for students new to UNBC and for students in a non-competitive entry program. Once you have been admitted, please use your degree evaluation as it is the official degree program-tracking document. You can find more information about how to use your degree evaluation at [unbc.ca/advising](https://unbc.ca/advising).