

Program Planning Guide

Bachelor of Science: Joint Computer Science and Mathematics

YOUR COURSE PLANNING: This worksheet has been created as a guide for admitted students. Note that 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. Note the list or requirements may change, so please ensure you follow the appropriate requirements (the [2021-2022 Undergraduate Calendar](#)). After July 1, 2021, you can find the calendar in a [PDF format](#).

100/200 Level Requirements			
Requirements	Credit Hours	Course Selected	Done
CPSC 100	4		
CPSC 101	4		
CPSC 141	3		
ENGL 170 or ENGL 270	3		
MATH 100	3		
MATH 101	3		
General science requirement (see pick-list in undergraduate calendar)	4		
	4		
CPSC 200	3		
CPSC 230	4		
CPSC 231	4		
CPSC 242	3		
CPSC 281	3		
MATH 200	3		
MATH 201	3		
MATH 220	3		
MATH 224	3		
MATH 230	3		
300/400 Level Requirements			
CPSC 320	3		
CPSC 321	3		
CPSC 370	3		
MATH 320	3		
MATH 326	3		
MATH 335	3		
STAT 371	3		

300/400 Level Requirements			
Requirements	Credit Hours	Course Selected	Done
Six credits of 300/400 level Computer Science	3		
	3		
Six credits of 400 level Computer Science	3		
	3		
Three credits of 300/400 level Mathematics	3		
Six credits of 400 level Mathematics	3		
	3		
Other			
Electives: any level	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
	3		
Total Credit Hours	124		

BREADTH REQUIREMENT: As a part of this program, students will have satisfied their Physical Sciences breadth requirement (with the required MATH and CPSC courses) and their Arts & Humanities breadth requirement (with the required ENGL course). As such, please take a three credit hour course for the Natural Sciences [breadth requirement](#) and a three credit hour course for the Social Science [breadth requirement](#).

UNDERGRADUATE CALENDAR: It is the student’s responsibility to be aware of all University of Northern British Columbia [Undergraduate Calendar](#) regulations. Academic regulations, program information, course information, and pre-requisites can be found in this document.

EFFECTIVE SEPTEMBER 2021

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 your program has been declared, please use your degree evaluation as it is the official degree program-tracking document. You can find more information about your degree evaluation and how to run one at unbc.ca/advising.

Sample Sequencing Plan

Course Notes

First Year	
Fall	Winter
CPSC 100	CPSC 101
ENGL 170 or ENGL 270 or Elective (chosen to fulfill Academic Breadth)	ENGL 170 or ENGL 270 or Elective (chosen to fulfill Academic Breadth)
CPSC 141	MATH 101
MATH 100	General science requirement (see list)
General science requirement (see list)	Elective (chosen to fulfill Academic Breadth)
Second Year	
CPSC 200	MATH 201
CPSC 230	CPSC 231
MATH 200	CPSC 242
MATH 220	CPSC 281
Elective, or breadth requirement	MATH 224 or MATH 230
Third Year	
CPSC 300	MATH 326
CPSC 320	MATH 335
CPSC 321 or CPSC 370	MATH 224 or MATH 230 (whichever one not taken in Second Year)
MATH 320	300/400-level CPSC or subject requirement
STAT 371	300/400-level CPSC or subject requirement
Fourth Year	
CPSC 321 or CPSC 370 (whichever one not taken in Third Year)	Elective, 400-level MATH, or subject requirement
300/400-level MATH or subject requirement	400-level MATH or subject requirement
400-level CPSC or subject requirement	400-level CPSC or subject requirement
Elective	Elective
Elective	Elective

- CPSC 370 is offered in alternating “odd years” September semesters (i.e. 2019, 2021, 2023)
- MATH 150 and MATH 342 may not be used for credit towards a Computer Science major or joint major.
- PHYS 110 and PHYS 111 are strongly recommended.
- The total number of CPSC and MATH credit hours at the 400 level must be at least 15.
- CPSC 340-3 is recommended.
- Unless otherwise specified, students enrolling in any CPSC or MATH course with prerequisites are required to have completed all prerequisite courses for that course with a C- or better, or have permission to enroll from the Program Chair.

Advisor Notes

STUDENT ADVISING: Is available by phone, email, or in person. To book an appointment or to see when drop-ins are scheduled, please contact advising@unbc.ca or call 250.960.6306.

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 to double major should speak with their Student Advisor as soon as possible.

MINORS: To see available minors, please feel free to check out a [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 coursework 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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