

Program Planning Guide

Bachelor of Science: Joint Computer Science and Physics

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		
PHYS 110	4		
PHYS 111	4		
CPSC 200	3		
CPSC 231	4		
CPSC 242	3		
CPSC 281	3		
MATH 200	3		
MATH 220	3		
MATH 230	3		
PHYS 200	3		
PHYS 202	4		
PHYS 205	3		
300/400 Level Requirements			
CPSC 320	3		
CPSC 321	3		
CPSC 370	3		
MATH 335	3		
MATH 336	3		
STAT 371	3		
PHYS 300	3		
PHYS 302	3		
PHYS 305	3		
PHYS 404	3		

300/400 Level Requirements			
Requirements	Credit Hours	Course Selected	Done
Six credits of 300/400 level Computer Science	3		
Six credits of 400 level Computer Science	3		
Three credits of 300/400 level Physics	3		
Six credits of 400 level Physics	3		
Other			
Electives: any level	3		
	3		
	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 CPSC and PHYS 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

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	PHYS 111
PHYS 110	Elective (chosen to fulfill Academic Breadth)
Second Year	
CPSC 200	CPSC 231
MATH 200	CPSC 242
MATH 220	CPSC 281
PHYS 202	MATH 230
PHYS 205	PHYS 200
Third Year	
CPSC 320	MATH 335
CPSC 321 or CPSC 370	PHYS 302 or PHYS 305
MATH 336	300/400-level CPSC or subject requirement
PHYS 300	300/400-level CPSC or subject requirement
STAT 371	300/400-level PHYS or subject requirement
Fourth Year	
CPSC 321 or CPSC 370 (whichever one not taken in Third Year)	PHYS 404
400-level CPSC or subject requirement	PHYS 302 or PHYS 305 (whichever one not taken in Third Year)
400-level PHYS or subject requirement	400-level CPSC or subject requirement
Elective	400-level PHYS or subject requirement
Elective	Elective

Course Notes

- CPSC 370 is offered in alternating “odd years” September semesters (i.e. 2019, 2021, 2023)
- PHYS 404 is offered in alternating “even years” September semesters (i.e. 2020, 2022, 2024)
- MATH 150 and MATH 342 may not be used for credit towards a Computer Science major or joint major.
- The total number of CPSC and PHYS credit hours at the 400 level must be at least 15.
- 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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