

Bachelor of Applied Science Program Planning Guide

Bachelor of Applied Sciences: Civil Engineering

100/200 Level Requirements		
Requirements	Credit Hours	Done
CHEM 100/120	4	
CPSC 110	3	
ENGR 110	3	
ENGR 117	3	
ENGR 130	4	
ENGR 151	1	
ENGR 152	1	
MATH 100	3	
MATH 101	3	
MATH 220	3	
PHYS 110	4	
PHYS 111	4	
CIVE 241	4	
CIVE 260	4	
ENGR 211	3	
ENGR 217	4	
ENGR 221	3	
ENGR 240	4	
ENGR 254	4	
ENGR 270	3	
MATH 200	3	
MATH 230	3	
STAT 271	3	

300/400 Level Requirements		
Requirements	Credit Hours	Done
CIVE 320	3	
CIVE 321	3	
CIVE 340	3	
CIVE 341	3	
CIVE 360	3	
CIVE 370	3	
CIVE 372	3	
ENGR 300	3	
ENGR 353	4	
ENGR 358	3	
ENGR 380	3	
CIVE 400	3	
CIVE 401	6	
ENGR 411 or 412	3	
ENGR 410	3	
Electives from a defined list. Please visit the 2022-23 Undergraduate Academic Calendar for more information.	3	
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ACCREDITATION: The degree program is designed to meet the present accreditation guidelines established by the [Canada Engineering Accreditation Board](#). Students graduating with a Bachelor of Applied Science in Civil Engineering from UNBC should have all of the necessary academic qualifications to be licensed as Professional Engineers (P.Eng.).

BREADTH REQUIREMENT vs. ELECTIVES: The University Breadth requirement does not apply to the Engineering Programs; however, students must take elective courses from a defined list. For a list of suitable electives, please visit the Undergraduate Calendar. Please ensure you follow the appropriate year (the [2022-2023 Undergraduate Calendar](#)). After July 1, 2022, you can find a [PDF version](#).

PROGRAM REQUIREMENTS: Students must have a cumulative GPA of a 2.0 on courses for credit towards an Engineering degree; obtain a minimum passing grade of 1.67 in each of ENGR 217, MATH 200, MATH 230, CIVE 400, and CIVE 401, and; complete all requirements of the BASc program within eight years of admission into an Engineering Program.

RESIDENCY REQUIREMENT: Students must complete a minimum of 90 credit hours of UNBC coursework to receive a UNBC degree.

EFFECTIVE SEPTEMBER 2022

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. 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

4 Years		
First Year		
Fall	Winter	Summer
CHEM 100/120	CPSC 110	
ENGR 110	ENGR 130	
ENGR 117	ENGR 152	
ENGR 151	MATH 220	
MATH 100	MATH 101	
PHYS 110	PHYS 111	
Second Year		
ENGR 221	CIVE 241	ENGR 270
ENGR 240	CIVE 260	
ENGR 254	CIVE 320	
MATH 200	ENGR 211	
STAT 271	ENGR 217	
Elective – See List	MATH 230	
Third Year		
CIVE 340	CIVE 321	
CIVE 360	CIVE 341	
CIVE 372	CIVE 370	
ENGR 353	ENGR 300	
ENGR 380	ENVE 358	
Elective – See List	MATH 335	
Fourth Year		
CIVE 400	CIVE 401	
ENGR 411* or elective	ENGR 412* or elective	
Elective – See List	ENGR 410	
Elective – See List	Elective – See List	
Elective – See List	Elective – See List	
Elective – See List		

5 Years		
First Year		
Fall	Winter	Summer
ENGR 110	CPSC 110	
ENGR 117	ENGR 130	
ENGR 151	ENGR 152	
MATH 100	MATH 220	
PHYS 110	MATH 101	
	PHYS 111	
Second Year		
CHEM 100/120	CIVE 241	ENGR 270
ENGR 221	CIVE 260	
ENGR 240	CIVE 320	
ENGR 254	ENGR 211	
MATH 200	ENGR 217	
Third Year		
CIVE 340	CIVE 321	
CIVE 360	CIVE 341	
CIVE 372	CIVE 370	
STAT 271	ENGR 300	
Elective – See List	MATH 230	
Fourth Year		
ENGR 353	ENGR 300	
ENGR 380	ENVE 358	
ENGR 411* or elective	ENGR 412* or elective	
Elective – See List	ENGR 410	
Elective – See List	Elective – See List	
Fifth Year		
CIVE 400	CIVE 401	
Elective – See List	Elective – See List	
Elective – See List		
Elective – See List		

Advisor Notes

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.

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.

MAJOR CHANGES WITHIN THE BASc: Please contact the Student Advisor for Engineering to discuss a change of major.

**Need either ENGR 411 (fall) or 412 (winter)*

EFFECTIVE SEPTEMBER 2022

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