

## Program Planning Guide

Bachelor of Applied Sciences: Environmental Engineering

100/200 Level Requirements		
Requirements	Credit Hours	Done
CHEM 100/120	4	
CHEM 101/121	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	
ENGR 210	3	
ENGR 211	3	
ENGR 217	4	
ENGR 220	4	
ENGR 221	3	
ENGR 254	4	
ENGR 270	3	
ENSC 201	3	
ENVE 222	3	
MATH 200	3	
MATH 230	3	
STAT 371	3	
One of: FSTY 205 or GEOG 210	3	

300/400 Level Requirements		
Requirements	Credit Hours	Done
CIVE 260	4	
ENGR 300	3	
ENGR 353	3	
ENGR 354	4	
ENGR 358	4	
ENGR 380	3	
ENVE 310	3	
ENVE 317	3	
ENVE 318	3	
ENVE 351	4	
ENGR 410	3	
ENGR 412	3	
ENSC 406	3	
ENVE 400	3	
ENVE 401	6	
ENVE 430	3	
ENVE 455	3	
Electives from a defined list. Please visit the <a href="#">2020-2021 Undergraduate Calendar</a> for more information.	3	
	3	
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	3	

**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 [2020-2021 Undergraduate Calendar](#)). After July 1<sup>st</sup> 2021, you can find a [PDF version](#).

**PROGRAM REQUIREMENTS: 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, ENVE 400 and ENVE 401; complete all requirements of the BASc program within eight years counted from admission into an Engineering Program.

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

### EFFECTIVE SEPTEMBER 2020

**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](http://unbc.ca/advising).

## Sample Sequencing Plan

4 Years		
First Year		
Fall	Winter	Summer
CHEM 100/120	CHEM 101/121	
ENGR 110	ENGR 130	
ENGR 117	ENGR 152	
ENGR 151	MATH 220	
MATH 100	MATH 101	
PHYS 110	CPSC 110	
Second Year		
ENGR 210	ENGR 211	ENGR 270
ENGR 220	ENGR 217	
ENGR 254	ENGR 221	
MATH 200	ENSC 201	
STAT 371	ENVE 222	
FSTY 205 or GEOG 210	MATH 230	
Third Year		
ENGR 353	CIVE 260	
ENGR 354	ENGR 300	
ENGR 380	ENVE 358	
ENVE 318	ENVE 310	
ENVE 351	ENVE 317	
Elective – See List	Elective – See List	
Fourth Year		
ENSC 406	ENGR 410	
ENVE 400	ENGR 412	
ENVE 430	ENVE 401	
ENVE 455	Elective – See List	
Elective – See List	Elective – See List	
Elective – See List		

5 Years		
First Year		
Fall	Winter	Summer
CHEM 100/120	CHEM 101/121	
PHYS 110	CPSC 110	
ENGR 117	ENGR 152	
ENGR 151	MATH 220	
MATH 100	MATH 101	
Second Year		
ENGR 110	ENGR 130	ENGR 270
ENGR 210	ENGR 211	
ENGR 220	ENGR 217	
ENGR 254	ENGR 221	
MATH 200	MATH 230	
Third Year		
STAT 371	ENSC 201	
FSTY 205 or GEOG 210	ENVE 222	
ENGR 353	CIVE 260	
ENGR 354	ENGR 300	
ENGR 380	ENVE 358	
Fourth Year		
ENVE 318	ENVE 310	
ENVE 351	ENVE 317	
ENSC 406	Elective	
ENVE 455	Elective – See List	
Elective – See List		
Fifth Year		
ENVE 400	ENGR 410	
ENVE 430	ENGR 412	
Elective – See List	ENVE 401	
Elective – See List	Elective – See List	

## 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](mailto: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 under, 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 and 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.

### EFFECTIVE SEPTEMBER 2020

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