

From: **North Island College (NIC)**
Engineering Foundations Certificate

To: **University of Northern BC (UNBC)**
Bachelor of Applied Science (Major in
Environmental Engineering)

The following list of course equivalents will appear on the transfer credit summary for students who have successfully completed **NIC's Engineering Foundations Certificate** and are successfully admitted to the **Bachelor of Applied Science with a major in Environmental Engineering at UNBC for the 2023-2024 Academic Calendar**.

Information in this handout is unofficial and should be used as a guide only. Official transfer credit results will be provided at the time of admission to your program. For questions regarding admission to UNBC or course selection please contact Student Recruitment & Advising at 250-960-6306 or advising@unbc.ca.

NOTE: As per UNBC Undergraduate Calendar Regulation number 14, "Students must complete a minimum of 30 credit hours of upper division UNBC course work to receive a UNBC degree."

| Course Number & Name | | UNBC Equivalence ¹ |
|---|---|--------------------------------------|
| CPS 102 | Computer Programing with C++ ^{Notes 6} | CPSC 110-3 |
| CPS 101 or CHE 152 | Computer Program II Engineering Chemistry ^{Notes 1, 2, 3} | CPSC 101-4 CHEM 1XX-4 |
| ENR 100 | Introduction to Engineering I ^{Note 5} | ENGR 117-3 & ENGR 151-1 ² |
| ENR 101 | Introduction to Engineering II ^{Note 5} | ENGR 117-3 & ENGR 151-1 ² |
| MAT 133 | Matrix Algebra | MATH 220-3 ³ |
| MAT 181 | Calculus I | MATH 100-3 |
| MAT 182 | Calculus II | MATH 101-3 |
| PHY 120 | Principles of Physics I | PHYS 110-4 |
| PHY 121 | Principles of Physics II | PHYS 111-4 |
| PHY 141 or PHY 170 | Mechanics (Statics) Engineering Mechanics 1: Statics & Dynamics ^{Notes 2, 3, 4} | ENGR 130-3 ENGR 1XX-3 |
| ENG 115 or ENG 116 | Essay Writing and Critical Analysis Essay Writing and Indigenous Perspectives | ENGL 170-3 ENGL 170-3 |
| ENG 160 or ENG 166 | Effective Organizational Writing Effective Organization Communications | ENGR 110-3 COMM 1XX-3 |
| University Transfer Elective ^{Notes 2, 3, 4} | | |

Notes:

- CHE 110 may be taken in place of CHE 152. Some receiving schools may require CHE 110 & CHE 111 to be taken to be exempt from CHE 152. Students should check with their receiving school before making this substitution.
- Students transferring to UVic for software engineering should take CPS 102, CPS 101, ENG 115, ENG 160, ENR 100, ENR 101, MAT 133, MAT 181, MAT 182, PHY 120, PHY 121, and PHY 141. They may also take CHE 152, but this would normally be taken in second year at UVic.
- Students transferring into all other engineering disciplines at UVic should take CHE 152, CPS 102, ENG 115, ENG 160, ENR 100, ENR 101, MAT 133, MAT 181, MAT 182, PHY 120, PHY 121, and PHY 141. They may also take CPS 101, but this would normally be taken in second year at UVic.
- Students transferring to UBC should take CHE 152, CPS 102, ENG 115, ENR 100, ENR 101, MAT 133, MAT 181, MAT 182, PHY 120, PHY 121, PHY 170 and a complimentary studies elective (see UBC calendar and the BC Transfer Guide for options).
- ENR 100 and ENR 101 together replace ENR-110. Students who already have ENR-110 can substitute it for both ENR 100 and ENR 101.
- CPS 100 or CPSC 114 may be substituted for CPS 102, but some receiving schools may not accept it for transfer.

Recommended Courses to take:

| Course Number & Name | | UNBC Equivalence ¹ |
|----------------------|------------------------|-------------------------------|
| CHEM 110 | Chemical Principles I | CHEM 100-3 & CHEM 120-1 |
| CHEM 111 | Chemical Principles II | CHEM 101-3 & CHEM 121-1 |
| ENR 151 | Engineering Graphics | ENGR 152-1 |

¹ Course equivalencies were determined through the articulation process and are listed on the BC Transfer Guide, www.bctransferguide.ca

Student will need to choose coursework appropriately so as not to receive duplicate Transfer Credit.

² Both NIC ENR 100 & ENR 101 must be taken to receive noted transfer credit.

³ Must achieved a C- (60% at UNBC) or better for all Math transfer credit to use as a prerequisite for UNBC coursework

Note: Above based on NIC 2023 website.

Top 10 things you should know and do for a successful, smooth transfer to UNBC:

- 1. Make sure you apply to UNBC – questions before you apply?**
Contact futurestudents@unbc.ca or visit <https://unbc4u.unbc.ca>. Our UNBC Recruitment team is happy to answer questions and help you apply to your desired program.
- 2. Once you have been admitted and have received your Transfer Credit Summary, touch base with your Student Advisor.**
Your Student Advisor can help discuss how your transfer credits will be applied towards your UNBC program, any and all resources available to you and ultimately guide you through things you might not know about transferring to UNBC! Don't know who your student Advisor is? Find out here:
<https://www2.unbc.ca/advising/contact>
- 3. Read carefully through all the details of your Pathway.**
We have included many details in this document about multiple aspects of the transfer process. Have a question? Email transfercredit@unbc.ca.
- 4. Use the BC Transfer Guide!**
The BC Transfer Guide (www.bctransferguide.ca) allows you to search how your post-secondary coursework might transfer to UNBC. In conjunction with your pathway/arrangement document, we highly recommend using the BC Transfer Guide to explore how your previous post-secondary courses might transfer to UNBC!
- 5. Know what 'Academic Calendar' means.**
When admitted to UNBC, you are following the program requirements of the Academic Calendar of your admit year. For example, if you are admitted for September 2022, you will be following the 2022-2023 Academic Calendar throughout the entirety of your undergraduate degree. Please ensure you are not simply "Googling" your program requirements, but using the appropriate Academic Calendar by visiting www.unbc.ca/calendar.
To learn more about your academic calendar, touch base with your Student Advisor.
- 6. Hold onto your previous institution's course outlines!**
It's very possible that you have taken a course that needs to be reviewed. If this is the case, we may ask for course outlines in order to give you the most accurate and up-to-date information. Additionally, if you receive 'UNSP' credit as the course has never been reviewed, you can submit your course outlines to transfercredit@unbc.ca.
- 7. Understand the terminology!**
Not sure what 'UNSP' means? Confused by the course numbering assigned to your transfer credit (ie. 2XX)? Be sure to visit our Transfer Credit Definitions page to learn more about your transfer credit:
<https://www2.unbc.ca/registrar/transfer-credit-definitions>
- 8. Be Patient!**
Great things take time. Similarly, it can take up to 6 weeks for courses to be articulated once you have submitted course outlines.
- 9. Understand your Degree Evaluation!**
Your Degree Evaluation is available once course registration opens/is open for your first semester at UNBC. Your degree evaluation organizes your course work for you, showing you how your transfer credit is being use and can help you track your progress to graduation.
<https://www2.unbc.ca/advising/understanding-your-degree-evaluation>

10. **Want to find out how many courses you have remaining to complete a Bachelor degree?**

Completing a two-year diploma program does not automatically mean that you will only have 2 years remaining of a Bachelor's degree. Remaining coursework is very subjective as each transfer student might have taken different courses. This means that it is very possible that you may have to take first year courses at UNBC. For a smooth transfer into the program, we highly recommend completing any courses listed under the 'Recommended Courses to take' section of the pathway if applicable. Contact your Student Advisor for more information!

Questions? Here's who to contact:

Admissions – admissions@unbc.ca

Transfer Credit – transfercredit@unbc.ca

Degree Evaluation and Advising Questions:

- Find out who your Advisor is: <https://www2.unbc.ca/advising/contact>
- Then reach out and send them an email!

We are looking forward to seeing you at UNBC!