

<b>Student ID Number / Name:</b>	
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This guide is for program planning purposes only. Students are responsible for checking the [Capilano University Calendar](#) & meeting program requirements.

Program Requirements			
Course	Course Title	Course Credits	Grades
<b>First Term</b>			
ENGL 100	University Writing Strategies	3.00	
CHEM 101	Fundamentals of Chemistry	4.00	
MATH 105	Precalculus Mathematics - Modelling Our World	4.00	
PHYS 104	Principles of Physics	4.00	
<b>Second Term</b>			
APSC 130	Technical Drafting and Computer-Aided Design	3.00	
COMP 120	Computer Science for Engineers	4.00	
MATH 116	Calculus I - The Mathematics of Change	4.00	
PHYS 114	Fundamental Physics I	4.00	
	Select 4.00 credits from the following list: <ul style="list-style-type: none"> <li>o CHEM 110: Bonding and Structure</li> <li>o CHEM 154: Chemical Principles for Engineers</li> </ul> <small>[Note: Students choosing CHEM 110 must also take CHEM 111 in order to satisfy the chemistry requirements for this program. CHEM 111 should be taken in the summer between the second and third terms for an additional 4.00 credits towards this credential (71.00 credits total).]            [Note: CHEM 154 may not be offered in the Spring term.]</small>	4.00	
<b>Summer Term (in between 2nd and 3rd Term)</b>			
CHEM 111	Chemical Dynamics and Energetics <small>[Note: Students choosing CHEM 110 must also take CHEM 111 in order to satisfy the chemistry requirements for this program. CHEM 111 should be taken in the summer between the second and third terms for an additional 4.00 credits towards this credential (71.00 credits total).]            [Note: Students that completed CHEM 154 do not need to take CHEM 111.]</small>	4.00	

Course	Course Title	Course Credits	Grades
<b>Third Term</b>			
APSC 120	Introduction to Engineering	1.00	CON
APSC 140	Engineering Design	3.00	
MATH 126	Calculus II	3.00	
MATH 252	Linear Algebra and Differential Equations	4.00	
PHYS 115	Fundamental Physics II	4.00	
PHYS 116	Fundamental Physics III	3.00	
<b>Fourth Term</b>			
APSC 120	Introduction to Engineering	Continued	
CMNS 250	Introduction to Technical Writing	3.00	
	Arts Elective 100-Level or higher	3.00	
	Science Elective at 200-Level <i>[Note: Any 200-level BIOL, COMP, CHEM, MATH, PHYS, or STAT course offered by the School of STEM will satisfy the science requirement.]</i>	3.00	
	Select 6.00 credits from the following list: o Arts Elective at 100-Level or higher o Elective at 100-Level or higher	3.00	
	o *Science Elective at 200-Level <i>[* Note: Any 200-level BIOL, COMP, CHEM, MATH, PHYS, or STAT course offered by the School of STEM will satisfy the science requirement.]</i>	3.00	
<b>Total <u>Diploma</u> program credits:</b>		<b>67.00</b>	

## Comments:

- Students starting this program from September 2022 onwards are able to use this program planner. If you started the program before this term, please contact Academic Advising for an appropriate program planner or you may refer to [Capilano University Academic Calendar](#) for your program profile requirements.
- **Continuation Requirement:** In the Engineering Transition program, the student must normally satisfy all of the following requirements:
  - Complete the prerequisite for MATH 116 in the First Term;
  - Complete the prerequisite for MATH 126 prior to the start of the Third Term;
  - Maintain a minimum CGPA of 1.8; be able to complete all program requirements within two consecutive academic years (First Term to Fourth Term).
- **Graduation Requirement:** To be eligible for graduation, all program requirements must normally be completed within two consecutive academic years.
- **Note:** Students choosing CHEM 110 must also take CHEM 111 in order to satisfy the chemistry requirements for this program. CHEM 111 should be taken in the summer between the second and third terms for an additional 4.00 credits towards this credential (71.00 credits total).
- **Note:** Any 200-Level BIOL, COMP, CHEM, MATH, PHYS, or STAT course offered by the School of STEM will satisfy the science requirement.
- **Note:** Students planning to transfer to an Engineering program at another post-secondary will need to check the receiving institution's transfer credit policy. You can consult with the Engineering program convenor.
- **Residency Requirement:** Students transferring to Capilano University must complete a minimum of 50% of their program course credits at Capilano University, the majority of which will normally fulfill the requirements of their final years of study.
- **Graduation Requirement:** A *minimum CGPA of 2.00* (calculated on all program required courses) must be achieved to graduate from all Capilano University credentials. Programs may have additional graduation requirements as approved by the University Senate.
  - Check your cumulative Grade Point Average (cGPA) yourself using the [GPA Calculator](#) on CapU website.
- **Timeframe for Completion of the program and Graduation:** Students in a two-year program would be given five years to complete their program.