

This handout is provided for reference only. It is the student's responsibility to consult the official Academic calendars and meet with an Educational Advisor at the chosen receiving institution to ensure that all program and admission requirements have been met.

NOTE: Students are admitted into the Fundamentals of Engineering Certificate starting in the Fall only.

Introduction

Vancouver Island University offers the first full year of the Engineering program for **students wishing to transfer** to the University of British Columbia – Vancouver (UBC-V), the University of Victoria (UVic), and Simon Fraser University – Burnaby (SFU-B). VIU also provides the *majority* of the first year of Engineering program at the University of Northern British Columbia (UNBC), Simon Fraser University – Surrey (SFU-S), and the University of British Columbia – Okanagan (UBC-O).

UBC-V Students who successfully complete the program within one full-time year with a GPA of at least 2.8 (as calculated by UBC admissions) are guaranteed admission into second year engineering at UBC-V. Students who do not complete their program in one full-time year are not eligible for the admission guarantee as stated above and will be evaluated as transfer applicants.

UVic Students who successfully complete the program within two years with a minimum GPA of a 'C+' and no individual grade less than a 'C' are qualified for admission into 2nd year Engineering at UVic. Incoming students will be placed in a specific engineering discipline based on GPA and seat availability.

SFU-B Students who successfully complete the program within 16 months with a minimum GPA of 2.75 are qualified for admission into second year Engineering at SFU. Students must complete a minimum course load of 12 credits for at least two terms while enrolled in the Fundamentals of Engineering Certificate at VIU. Incoming students will be placed into a specific engineering discipline based on GPA and seat availability.

Admission Requirements

Students wishing to apply to the Fundamentals of Engineering Certificate must have:

- Chemistry 12 (min. 'C+')
- Pre-Calculus 12 (min 'B')
- English 12 (min 'C+')
- Physics 12 (min 'C+')

Students are accepted into the program based on the CGPA of the above classes. Reserved seating in all program courses is provided for the first year of study. After one year, seats are not reserved or guaranteed; they are provided as available, based on registration priority.

Program Content

Fall Term	Spring Term
CHEM 150 – Engineering Chemistry	ENGL 204 ² – Business and Technical Writing
CSCI 160 – Computer Science I	ENGR 110 ³ – Special Topics in Engineering
ENGR 112 – Engineering Design I	ENGR 121 – Engineering Design II
MATH 100 ¹ – Calculus for Engineering and the Physical Sciences	ENGM 141 ⁴ – Engineering Mechanics
PHYS 121 – Physics for the Physical Sciences I	MATH 101 – Calculus for Engineering and Physical Sciences II
ENGL 115 – University Writing and Research	MATH 141 – Matrix Algebra for Engineers
	PHYS 122 – Physics for the Physical Sciences II

¹Students may take MATH 121/122/110 in place of MATH 100/101

²ENGL 204 is considered a complementary studies elective at UBC-V and, if required, may be replaced by a second first year English class e.g. ENGL 125 (see below - Program Note #4).

³ENGR 110 is not required for students transferring to UBC-V or UVic.

⁴ENGM 141 is not required for students transferring to SFU-B

Program Notes

1. The Fundamental of Engineering certificate is based on transfer agreements signed with the University of Victoria, the University of British Columbia (Vancouver), and Simon Fraser University (Burnaby). Students wishing to transfer elsewhere should ensure that their course selections conform to the requirements of that institution.
 - o UBC Faculty of Engineering : www.engineering.ubc.ca
 - o UVic Faculty of Engineering : www.engr.uvic.ca
 - o SFU School of Engineering Science : www.ensc.sfu.ca
 - o UNBC Faculty of Environmental Science and Engineering : www.unbc.ca/ensc
2. Transfer from VIU is not automatic. Students intending to transfer to UBC, UVic, SFU, or elsewhere must still apply formally for admission and meet the admission requirements for those institutions. Students complete with other second year students for seats within their choice of engineering discipline.
3. Further transfer information can be found through the BC Transfer Guide (www.bctransferguide.ca). Courses which are “accepted in lieu of” a specific course or courses may not be shown in this guide.
4. Students planning to transfer to UBC-V must fulfill that institution’s English Language proficiency requirements. Domestic students must achieve a minimum of a ‘B’ in English 12 or take a second 1st year English class in place of ENGL 204 in the Spring term. International students should verify the current UBC requirements with that school.