

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.

Fundamental of Engineering Certificate – Common Core courses

VIU	UBC-V	UVic	SFU-B	SFU-S	UNBC	UBC-O
CHEM 150	CHEM 154	CHEM 150 ¹¹	CHEM 121	CHEM 121	See Note (9)	APSC 182 ⁷ APSC 183
CSCI 160	APSC 150 ¹ APSC 160	CSCI 110 ¹²	CMPT 128	CMPT 130	CPSC 110	APSC 177
ENGL 115	ENGL 112	ENGR 110 ⁴	Not Required	Not Required	Not Required	APSC 176
ENGL 204	Complementary Studies credit	ENGR 120 ⁵	ENSC 105 ¹³ ENSC 100 ENSC 120 ENSC 180	MSE 101W	ENGR 110 ¹⁴	APSC 201
ENGM 141	PHYS 170	ENGM 141	Not Required	Not Required	Not Required	APSC 180 ⁸ APSC 181
ENGR 110	Not Required	Not Required	See Note (13)	Not Required	Not Required	Not Required
ENGR 112	See Note (1)	See Note (4)	See Note (13)	MSE 102 ¹⁶	Not Required	Not Required ¹⁵
ENGR 121	See Note (1)	See Note (5)	See Note (13)	See Note (16)	Not Required	See Note (15)
MATH 100 ²	MATH 100	MATH 100	MATH 151	MATH 151	MATH 100	APSC 172
MATH 101	MATH 101	MATH 101	MATH 152	MATH 152	MATH 101	APSC 173
MATH 141	MATH 152	MATH 110	MATH 232	MATH 232	MATH 220 ¹⁰	APSC 179
PHYS 121	PHYS 153 ³	PHYS 110	PHYS 120 ⁶ PHYS 121	PHYS 140 ¹⁷ PHYS 141	PHYS 110	See Note (7) See Note (8)
PHYS 122	See Note (3)	PHYS 111	See Note (6)	See Note (17)	PHYS 111	APSC 178

¹VIU CSCI 160 and ENGR 112/121 block transfer as UBC APSC 150/160

²VIU MATH 121/122/110 may be taken in lieu of VIU MATH 100/101

³VIU PHYS 121/PHYS 122 block transfer as UBC PHYS 153

⁴VIU ENGL 115 and ENGR 112 block transfer as UVIC ENGR 110

⁵VIU ENGL 204 and ENGR 120 block transfer as UVIC ENGR 120

⁶VIU PHYS 121/122 block transfer as SFU PHYS 120/121

⁷VIU CHEM 150 and PHYS 121 transfer as APSC 182/183

⁸VIU ENGM 141 and PHYS 121 transfer as APSC 180/181

⁹Students require VIU CHEM 140/142 or CHEM 150/142 to transfer to UNBC CHEM 100/120

¹⁰UNBC requires UNBC MATH 220 in 2nd year.

¹¹UVic Software Engineering requires VIU CSCI 161 (Spring term) instead of VIU CHEM 150 (Fall term).

¹²UVic CSC 110 accepted in lieu of CSC 110

¹³VIU ENGR 110/112/121 and ENGL 204 block transfer as SFU ENSC 100/105W/120/180

¹⁴VIU ENGL 204 accepted as equivalent to UNBC ENGR 110 for technical writing credit.

¹⁵Students required to take APSC 169/171 upon transfer to UBC-O.

¹⁶VIU ENGR 112/121 block transfer as SFU MSE 102

¹⁷VIU PHYS 121/122 block transfer as SFU PHYS 140/141

Transfer Requirements:

Receiving Institution	Maximum Time Frame to Complete Curriculum	Minimum Transfer Credits Required	Minimum GPA Requirements	Notes
UBC-V ¹ (Engineering Transfer)	8 months	27 UBC-V credits	2.8 GPA Guaranteed Admission into second year. Competitive entry into specific disciplines	VIU offers full first-year curriculum to UBC-V for the purposes of transfer
UBC-V (University Transfer)	Up to two (2) years	27 UBC-V credits	Approx. 3.3 (varies from year to year, depending on applicants). No guarantee of admission.	See above.
UVic	Up to two (2) years	12 UVic credits	Min. 'C' in all curriculum courses. Min. 'C+' GPA Guaranteed of admission. Competitive entry into specific disciplines	VIU offers full first-year curriculum to UVic for the purposes of transfer
SFU-Burnaby (Assured Admission Pathway)	Up to 16 months	29 SFU credits	2.75 GPA Minimum course load of 12 credits for at two terms before transfer. General SFU English language and quantitative admission requirements must be met.	VIU offers full first-year curriculum to SFU for the purposes of transfer.
UNBC	Not specified	Not specified	Not specified	VIU does not offer UNBC: ENGR 117-3 ENGR 151-1 ENGR 152-1
UBC-O	Not specified	Not specified	Not specified	VIU does not offer UBC-O: APSC 169-3 APSC 171-3
SFU-Surrey	Not specified	Not specified	Not specified	VIU does not offer SFU-S: MSE 100-3 MSE 110-3

Engineering Streams

Engineering Streams	Institution	Engineering Streams	Institution
Biomedical Engineering	UBC-V, UVic, SFU-B	Geological Engineering	UBC-V
Chemical and Biological Engineering	UBC-V	Integrated Engineering	UBC-V
Civil Engineering	UBC-V, UBC-O, UVic	Materials Engineering	UBC-V
Computer Engineering	UBC-V, UVic, SFU-B	Mechanical Engineering	UBC-V, UBC-O, UVic
Computer Science Engineering	UVic	Mechatronic Systems	SFU-S
Electrical Engineering	UBC-V, UBC-O, UVic	Materials Engineering	UBC-V
Electronics Engineering	SFU-B	Mining Engineering	UBC
Engineering Physics	UBC-V, SFU-B	Software Engineering	UVic
Environmental Engineering	UNBC (jointly with UBC-V)	Systems Engineering	SFU-S