

This checklist is provided for reference only. It is the student's responsibility to consult the official UBC Academic Calendar and meet with a UBC Educational Advisor to ensure that all program and admission requirements have been met.

Kwantlen Polytechnic University

604.599.2000

For more information about UBC's Engineering University Transfer program, please visit:
<http://engineering.ubc.ca/eng/students/admissions/university-transfer>

kwantlen.ca/advising

KPU students who wish to study part-time, or who were not admitted to the Engineering Certificate full-time program and wish to apply to UBC's engineering program may follow the UBC Engineering University Transfer pathway. Students following this route will have access to KPU courses on a first-come, first-served basis, and course registration is not guaranteed.

The UBC Faculty of Applied Science accepts students transferring from another Faculty at UBC and from other institutions. In either case, the students must apply for admission to the Faculty of Applied Science through UBC's Admissions Office. Whether a student is admitted depends on **the average of the last 30 credits of university-transferable courses he or she has taken and on the average of the mathematics, chemistry and physics courses taken**. Please note, where two courses, or one repeated course, have been taken which transfer to one of the courses of the first-year engineering program, only the grade of the latest course will be used in calculating the average of the **mathematics, chemistry and physics courses**. The minimum admission average also depends on whether the student would be admitted into first- or second-year engineering.

A student will be **admitted into second-year engineering** if that student had successfully completed or had transfer credits for **at least 27 credits of UBC's first-year program**. Students not meeting this criterion would be admitted into UBC's first-year program. Transfer from KPU is not automatic. Students intending to transfer to UBC must still apply formally for admission and meet UBC's admission requirements. Students must then compete with all other second year students for seats in the Engineering program of their choice.

KPU ADMISSION REQUIREMENTS

KPU's Undergraduate English Proficiency Requirement applies to any students wishing to take engineering-related undergraduate level courses. Visit www.kpu.ca/calendar/2016-17/ar/englishproficiency.html for further information.

Students wishing to take first year courses without having to undertake any upgrading must have:

- Chemistry 12 (with a C+ or better)
- Pre-calculus Math 12 (with a B or better)
- English 12 (with a C+ or better)
- Physics 12 (with a C or better)

Possible course plan for UBC Engineering Transfer students who meet all course prerequisites (the order of some courses may be changed and the number of semesters may need to be increased):

Fall Semester	Spring Semester ¹
MATH 1120 – Differential Calculus (Calculus I)	MATH 1220 – Integral Calculus (Calculus II)
PHYS 1120 – Physics for Physical and Applied Sciences I	MATH 2232 – Linear Algebra
ENGL 1100 – Intro to University Writing	PHYS 1220 – Physics for Physical and Applied Sciences II
CHEM 1110 – The Structure of Matter	CHEM 1210 – Chemical Energetics and Dynamics
(APSC 1151 ³ (F/SU) – Introduction to Engineering Graphics (Take in May/June?); if there is space	Complementary Studies Elective ⁴ (Take in Fall?) (PHYS 1170 (SP) ³ – Mechanics I; if there is space

Program Notes:

¹ Students are limited to taking a maximum of 17.5 credits per semester.

² For transfer information please refer to the BC Transfer Guide website: www.bctransferguide.ca.

³ Seat availability for PHYS 1170 & APSC 1151 is limited. It may not be possible to find space in these courses while at KPU.

⁴ Most social science and humanities courses will meet the requirements of this 3-credit elective. For more information, please visit: <http://students.engineering.ubc.ca/faqs> or contact the UBC Faculty of Engineering at 604-822-6556.

⁵ Students may take either: CHEM 1110 & 1210 or CHEM 1154. Altogether 27 credits of UBC's first year program must be transferred.

Typical courses taken by UBC Science students in 1st year to transfer into 2nd year directly.		KPU Course Equivalencies (according to the BC Transfer Guide ²)	High School & KPU Prerequisites
Chemistry (6 credits)	CHEM 121 & 123 (CHEM 154)	CHEM 1110 & CHEM 1210 (or CHEM 1154)⁵	Chemistry 12 (C+) & Pre-Calculus 12 (C)
English (3 credits)	ENGL 100-level (usually 112, 110 or 111)	ENGL 1100 = UBC ENGL 112	English 12 (B); or write the English Placement Test
Mathematics (9 credits)	MATH 100	MATH 1120²	Pre-Calculus 12 (B) or MATH 1112
	MATH 101	MATH 1220	MATH 1120 (C)
	MATH 221	MATH 2232	MATH 1120 (C)
Physics (9 credits)	PHYS 101 (or PHYS 107)	PHYS 1120 (or PHYS 1101)	Physics 12 (C) & Pre-Calculus 12 (C+)/ B recommended; MATH 1120 or 1130 is a co-requisite
	PHYS 102 (or PHYS 108)	PHYS 1220 (or PHYS 1102)	PHYS 1120 (C) (or PHYS 1102); MATH 1220 is a co-requisite
	PHYS 170 or PHYS 216	PHYS 1170³ = UBC PHYS 170	PHYS 1120 (C); MATH 1220 is a co-requisite
Humanities and Social Sciences Elective ⁴ (3 credits)	Elective typically from the Arts faculty.	Elective typically from the Arts faculty.	
Applied Science (6 credits)	APSC 160 (Blocked for Engineering students only, but Science students can take it in the summer just before joining us in Engineering)	N/A; take at UBC	
	APSC 151 (Blocked for Engineering students only. You will need to take this course once you have transferred into Engineering.)	APSC 1151³ ; or take at UBC once admitted into Engineering	Pre-Calculus 12 (C)
Total: 36 UBC credits		Up to 33 UBC equivalent credits may be taken at KPU	