ENGINEERING AND COMPUTER SCIENCE

Welcome to UVic and to the Bachelor of Engineering or Software Engineering program!

You have likely found your way to this document because you are preparing to do some course planning. This document will show you which courses to register, but most importantly, it is meant to convey the ability of a first year undeclared student, like yourself, to adjust your course load to suit you.

The transition from high school to post-secondary can vary from person to person, but overall, it is a significant adjustment. On average, every hour spent in class translates to about two to three hours of studying outside of class time for each subject. In addition, you also have to fit in time to eat, sleep, etc.

The document will go on to show many different ways to structure the common set of first year courses and the different course loads you could carry to ease your transition into the program.

University of Victoria

ENGINEERING AND COMPUTER SCIENCE

This portion of document is intended for incoming first year undeclared BEng/BSEng students to see a possible pathway to program declaration into all six of our declared programs whilst also spreading out Year 1 and Year 2 program requirements over three years. Within this time, a student is able to declare into a program and complete first and second year coursework along with up to two work terms. This is a path we refer to as *two years over three*.
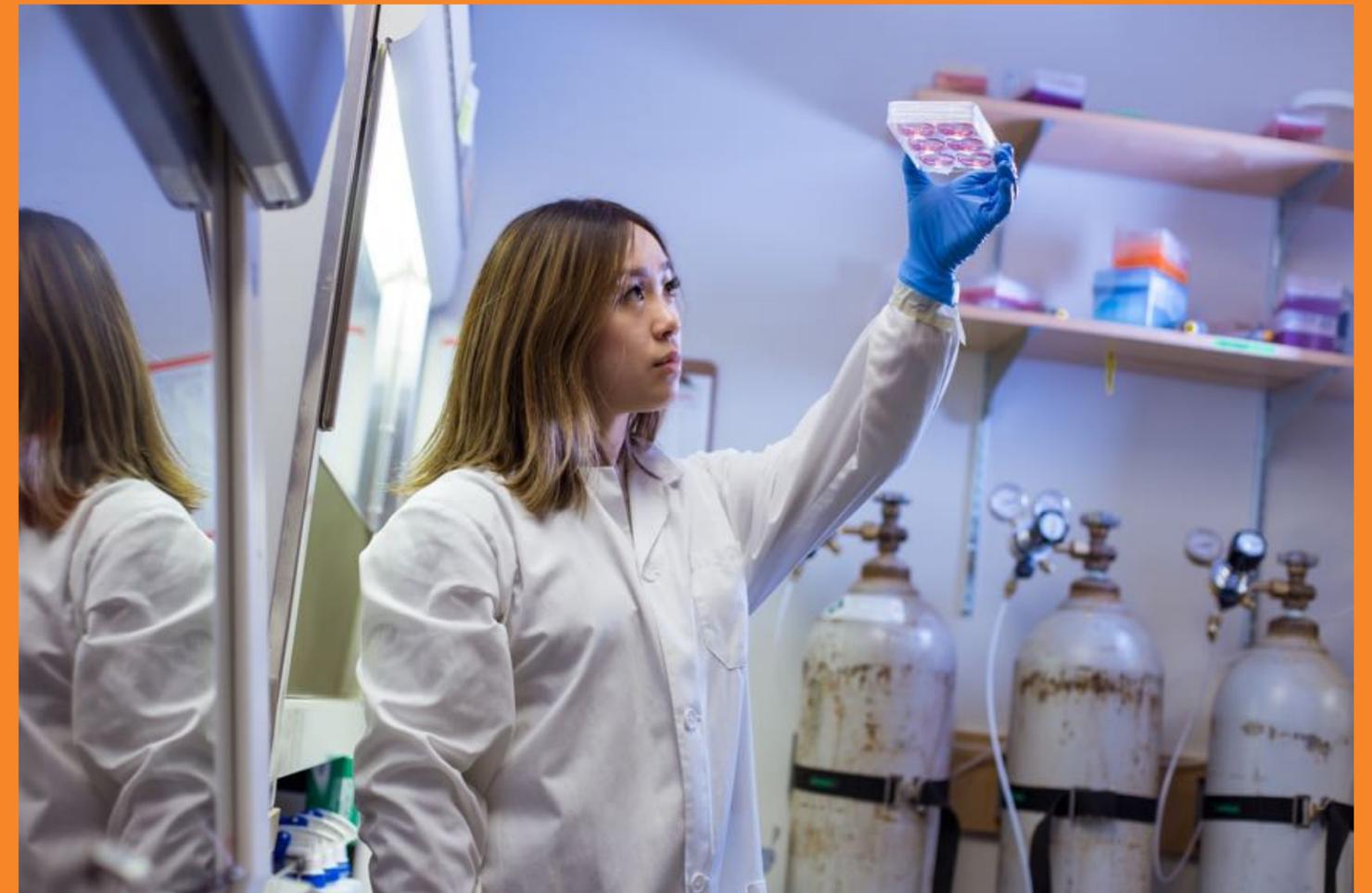
We hope to convey to incoming students that this program can be flexible to suit each student. We recognize that every student's comfortable course load varies and how easy or difficult the transition to post-secondary is proving to be greatly influences that.

Reducing course load is not an admission of defeat, but rather a bid for stronger understanding of course material and in turn, stronger results.

Lastly, if anything is unclear or if you are wondering if there are substitutions that can be made to the possible pathways, please ask an Academic Advisor.
It's what we're here for.

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Year	Winter Session		Summer Session
	Sept - Dec	Jan - April	May - Aug
2022 - 2023 (Undeclared)	CSC 111 ENGR 110 ENGR 130 MATH 109 or MATH 100	ENGR 120 MATH 101 MATH 211	WT #1 (ENGR 001) or Break
	Total units: 6.0	Total units: 5.5	Total units: 4.5 (if on WT)
2023 - 2024 (Undeclared)	CHEM 101 CSC 116 MATH 200 PHYS 110	CHEM 231 ENGR 141 MATH 204 PHYS 111	WT #1 (ENGR 001) or WT #2 (ENGR 002)
	Total units: 6.0	Total units: 6.0	Total units: 4.5
2024 - 2025 (Declared BME)	BME 200 ECE 250 MECH 240 *ECE 216 or ECE 260 or MECH 242*	WT #2 (ENGR 002) or WT #3 (ENGR 003)	Remaining 2B Courses (4)
	Total units: 6.0	Total units: 4.5	Total units: 6.0

Please note: All courses, regardless of year level, are relevant to program declaration

ENGINEERING AND COMPUTER SCIENCE

Two Years over Three for
Biomedical Engineering (BME)

University of Victoria

Two Years over Three for *Computer Engineering (CENG)*

Year	Winter Session		Summer Session
	Sept - Dec	Jan - April	May - Aug
2022 - 2023 (Undeclared)	CSC 111 ENGR 110 ENGR 130 MATH 109 or MATH 100	ENGR 120 MATH 101 MATH 211	WT #1 (ENGR 001) or Break
	Total units: 6.0	Total units: 5.5	Total units: 4.5 (if on WT)
2023 - 2024 (Undeclared)	CHEM 101 CSC 116 MATH 200 PHYS 110	ENGR 141 MATH 204 PHYS 111 STAT 260	WT #1 (ENGR 001) or WT #2 (ENGR 002)
	Total units: 6.0	Total units: 6.0	Total units: 4.5
2024 - 2025 (Declared CENG)	ECE 216 ECE 241 ECE 255 ECE 250	WT #2 (ENGR 002) or WT #3 (ENGR 003)	Remaining 2B Courses (4)
	Total units: 6.0	Total units: 4.5	Total units: 6.0

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Year	Winter Session		Summer Session
	Sept - Dec	Jan - April	May - Aug
2022 - 2023 (Undeclared)	CSC 111 ENGR 110 ENGR 130 MATH 109 or MATH 100	ENGR 120 MATH 101 MATH 211	WT #1 (ENGR 001) or Break
	Total units: 6.0	Total units: 5.5	Total units: 4.5 (if on WT)
2023 - 2024 (Undeclared)	CHEM 101 GEOG 103 MATH 200 PHYS 110	ENGR 141 MATH 204 PHYS 111 STAT 260	WT #1 (ENGR 001) or WT #2 (ENGR 002)
	Total units: 6.0	Total units: 6.0	Total units: 4.5
2024 - 2025 (Declared CIVE)	CIVE 200 CIVE 299 CSC 349A Complementary Studies Elective	WT #2 (ENGR 002) or WT #3 (ENGR 003)	Remaining 2B Courses (5)
	Total units: 6.0	Total units: 4.5	Total units: 7.5

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ENGINEERING AND COMPUTER SCIENCE

Two Years over Three for
Civil Engineering (CIVE)

University of Victoria

Year	Winter Session		Summer Session
	Sept - Dec	Jan - April	May - Aug
2022 - 2023 (Undeclared)	CSC 111 ENGR 110 ENGR 130 MATH 109 or MATH 100	ENGR 120 MATH 101 MATH 211	WT #1 (ENGR 001) or Break
	Total units: 6.0	Total units: 5.5	Total units: 4.5 (if on WT)
2023 - 2024 (Undeclared)	CHEM 101 CSC 116 MATH 200 PHYS 110	ENGR 141 MATH 204 PHYS 111 STAT 260	WT #1 (ENGR 001) or WT #2 (ENGR 002)
	Total units: 6.0	Total units: 6.0	Total units: 4.5
2024 - 2025 (Declared ELEC)	ECE 241 ECE 250 ECE 255 *ECE 216 or ECE 260*	WT #2 (ENGR 002) or WT #3 (ENGR 003)	Remaining 2B Courses (4)
	Total units: 6.0	Total units: 4.5	Total units: 6.0

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ENGINEERING AND COMPUTER SCIENCE

Two Years over Three for *Electrical Engineering (ELEC)*

University of Victoria

Year	Winter Session		Summer Session
	Sept - Dec	Jan - April	May - Aug
2022 - 2023 (Undeclared)	CSC 111 ENGR 110 ENGR 130 MATH 109 or MATH 100	ENGR 120 MATH 101 MATH 211	WT #1 (ENGR 001) or Break
	Total units: 6.0	Total units: 5.5	Total units: 4.5 (if on WT)
2023 - 2024 (Undeclared)	CHEM 101 CSC 116 MATH 200 PHYS 110	ENGR 141 MATH 204 PHYS 111 STAT 260	WT #1 (ENGR 001) or WT #2 (ENGR 002)
	Total units: 6.0	Total units: 6.0	Total units: 4.5
2024 - 2025 (Declared MECH)	ECE 250 MECH 200 MECH 240 *ECE 216 or MECH 242*	WT #2 (ENGR 002) or WT #3 (ENGR 003)	Remaining 2B Courses (4)
	Total units: 6.0	Total units: 4.5	Total units: 6.0

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ENGINEERING AND COMPUTER SCIENCE

Two Years over Three for
Mechanical Engineering (MECH)

University of Victoria

Year	Winter Session		Summer Session
	Sept - Dec	Jan - April	May - Aug
2022 - 2023 (Undeclared)	CSC 111 ENGR 110 ENGR 130 MATH 109 or MATH 100	ENGR 120 MATH 101 MATH 211	WT #1 (ENGR 001) or Break
	Total units: 6.0	Total units: 5.5	Total units: 4.5 (if on WT)
2023 - 2024 (Undeclared)	CHEM 101 MATH 122 PHYS 110 STAT 260	CSC 115 ENGR 141 PHYS 111 *Complementary Studies or Natural Science Elective*	WT #1 (ENGR 001) or WT #2 (ENGR 002)
	Total units: 6.0	Total units: 6.0	Total units: 4.5
2024 - 2025 (Declared SENG)	CSC 225 *ECE 255 or CSC 230* ECE 260 SENG 265	WT #2 (ENGR 002) or WT #3 (ENGR 003)	Remaining 2B Courses (4)
	Total units: 6.0	Total units: 4.5	Total units: 6.0

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ENGINEERING AND COMPUTER SCIENCE

Two Years over Three for *Software Engineering (SENG)*

University of Victoria