

PROGRAM PLANNING WORKSHEET

Bachelor of Engineering (BEng)
& Bachelor of Software Engineering (BSEng)

Faculty of Engineering
Undergraduate Program

TRANSITIONING FROM HIGH SCHOOL TO POST-SECONDARY



The transition can prove to be a large adjustment for some students. Your educational day is no longer regimented and time not spent in a lecture, lab and/or tutorial is no longer considered as free time, rather it is time devoted to studying and homework. On average, every hour in class translates to two to three hours of studying outside of class time for each subject. Therefore, in planning for a smooth transition to post-secondary, this worksheet is meant to display different ways of structuring your first year in the BEng or BSEng program to foster a successful introduction to the program.



BENEFIT OF [ED-D 101](#): Learning Strategies for University Success

ED-D 101 is a 1.5-unit course offered in the Fall and Spring terms designed to ensure that every university student has the tools they need to achieve academic success. This course can be incorporated into the first-year schedule if a student chooses.

DECLARING YOUR PROGRAM



To be eligible for program declaration, you must have completed at least **12.0 units** of applicable⁷ course work with an average GPA in the Winter Session (September-April) of no less than **3.0 (C+ average)**, and no **individual grade less than C**. Students are admitted to BEng and BSEng degree programs taking into consideration competitive GPA and personal preference. Students are strongly encouraged to contact the Engineering Undergraduate Office (EOW 206) for clarification of program declaration requirements should they find anything unclear.

| Winter Session | | Summer Session |
|-----------------------------|--------------------------|-----------------------|
| Fall (September – December) | Spring (January – April) | Summer (May – August) |

TWO TERM SCHEDULE (COMPLETION OF ALL 17.5 UNITS OF REQUIRED FIRST YEAR COURSE WORK IN TWO TERMS)

Two-Term First Year Schedule

| Fall | | Spring | | Summer |
|-----------------------------------|-------|----------------------------------|-------|---|
| Requirement | Units | Requirement | Units | |
| CSC 111 | 1.5 | CHEM 150 or CSC 115 ⁴ | 1.5 | Co-op (ENGR 001) or Term Off |
| ENGR 110 ¹ | 2.5 | ENGR 120 | 2.5 | |
| ENGR 130 ² | 0.5 | ENGR 141 | 1.5 | |
| MATH 100 or MATH 109 ³ | 1.5 | MATH 101 | 1.5 | |
| MATH 110 | 1.5 | PHYS 111 | 1.5 | |
| PHYS 110 | 1.5 | | | |

THREE TERM SCHEDULES (SPREAD OF 17.5 UNITS OF REQUIRED FIRST YEAR COURSE WORK ACROSS THREE TERMS)

Three-Term First Year Schedule – Option #1

| Fall | | Spring | | Summer | | | |
|-----------------------------------|-------|------------------------|-------|-----------------------|-------|-----------------------|-------|
| Requirement | Units | Requirement | Units | BEng | | BSEng | |
| | | | | Requirement | Units | Requirement | Units |
| CSC 111 | 1.5 | CSC 115 ^{4,5} | 1.5 | CHEM 101 ⁶ | 1.5 | ENGR 141 ⁵ | 1.5 |
| ENGR 110 ¹ | 2.5 | ENGR 120 | 2.5 | PHYS 111 | 1.5 | PHYS 111 | 1.5 |
| ENGR 130 ² | 0.5 | ENGR 141 | 1.5 | CSC 115 ⁴ | 1.5 | MATH 122 | 1.5 |
| MATH 100 or MATH 109 ³ | 1.5 | MATH 101 | 1.5 | (Optional) | | (Optional) | |
| MATH 110 | 1.5 | PHYS 110 | 1.5 | | | | |

EFFECTIVE SEPT 2021

Have questions regarding this worksheet?
Connect with an academic advisor [here](#).



University
of Victoria

Engineering

| Three-Term First Year Schedule – Option #2 | | | | | | | |
|--|-------|-------------|-------|-----------------------|-------|-----------------------------|-------|
| Fall | | Spring | | Summer | | | |
| Requirement | Units | Requirement | Units | BEng | | BSEng | |
| | | | | Requirement | Units | Requirement | Units |
| ENGR 110 ¹ | 2.5 | CSC 111 | 1.5 | CHEM 101 ⁶ | 1.5 | CSC 115 ⁴ | 1.5 |
| ENGR 130 ² | 0.5 | ENGR 120 | 2.5 | PHYS 111 | 1.5 | PHYS 111 | 1.5 |
| MATH 100 or MATH 109 ³ | 1.5 | ENGR 141 | 1.5 | CSC 115 ⁴ | 1.5 | 2 nd Year Course | 1.5 |
| MATH 110 | 1.5 | MATH 101 | 1.5 | (Optional) | | (Optional) | |
| PHYS 110 | 1.5 | | | | | | |

| Three-Term First Year Schedule – Option #3 | | | | | | | |
|--|-------|---------------------|-------|-----------------------|-------|-----------------------------|-------|
| Fall | | Spring | | Summer | | | |
| Requirement | Units | Requirement | Units | BEng | | BSEng | |
| | | | | Requirement | Units | Requirement | Units |
| CSC 111 | 1.5 | ENGR 120 | 2.5 | CHEM 101 ⁶ | 1.5 | CSC 115 ⁴ | 1.5 |
| ENGR 110 ¹ | 2.5 | MATH 211 | 1.5 | ENGR 141 | 1.5 | ENGR 141 | 1.5 |
| ENGR 130 ² | 0.5 | (Sub. for MATH 110) | | CSC 115 ⁴ | 1.5 | 2 nd Year Course | 1.5 |
| MATH 100 or MATH 109 ³ | 1.5 | MATH 101 | 1.5 | (Optional) | | (Optional) | |
| PHYS 110 | 1.5 | PHYS 111 | 1.5 | | | | |

| Three-Term First Year Schedule – Option #4 (For students who require MATH 120, as indicated by MATH 100/109 pre-test) | | | | | | | |
|--|-------|-----------------------------------|-------|-------------|-------|----------------------|-------|
| Fall | | Spring | | Summer | | | |
| Requirement | Units | Requirement | Units | BEng | | BSEng | |
| | | | | Requirement | Units | Requirement | Units |
| CHEM 101 | 1.5 | CSC 111 | 1.5 | ENGR 141 | 1.5 | CSC 115 ⁴ | 1.5 |
| ENGR 110 ¹ | 2.5 | ENGR 120 | 2.5 | MATH 101 | 1.5 | ENGR 141 | 1.5 |
| ENGR 130 ² | 0.5 | MATH 100 or MATH 109 ³ | 1.5 | PHYS 111 | 1.5 | MATH 101 | 1.5 |
| MATH 110 | 1.5 | PHYS 110 | 1.5 | | | PHYS 111 | 1.5 |
| MATH 120 | 1.5 | | | | | | |

Standing

In the BEng/BSEng programs, you are considered a first-year Undeclared student until you have declared into a program.

Registration Notes

For courses with a lab and/or tutorial section, you must register for all components. Check course descriptions for all courses you plan to take to make sure you register for any required labs and/or tutorials.

Footnotes

- ENGR 110 is a program requirement and is not exempted through the completion of Grade 12 English. Unless you have University transferrable credit for ENGL 135 (or ATWP 135), you must take ENGR 110. If you have University transferrable credit for ENGL 135 (or ATWP 135), you must take ENGR 112.
- ENGR 130 (Introduction to Professional Practice) must be completed during the first term upon admission to the program.
- Students must take either MATH 100 or MATH 109. These two courses are equivalent. Students with no previous exposure to calculus should take MATH 109, while those with previous exposure to calculus should take MATH 100.
- Students targeting BSEng should take CSC 115 in first year and CHEM 101 in second year.
- Students targeting BSEng should take CSC 115 in the Spring Term and ENGR 141 in the Summer Session.
- CHEM 101 and CHEM 150 are approved substitutes for one another and are both offered in the Summer Session. Make sure to view section restrictions to see which section designated for you.
- Applicable coursework refers to all courses specifically listed in the UVic Calendar as program requirements.

Students are responsible for the completeness and accuracy of their registrations and for the completion of all program requirements as specified in the [UVic Academic Calendar](#). Although every attempt has been made to ensure that the information on this worksheet is accurate, in the case of any discrepancy the Academic Calendar must be considered the definitive authority.