University of Victoria | Engineering

Program Planning and Scheduling Worksheet

Biomedical Engineering (Electrical Stream)

UG Calendar Summer 2025

Students are responsible for the completeness and accuracy of their registrations and for the completion of all program requirements as specified in the University of Victoria Academic Calendar; compliance with prerequisite and corequisite requirements; resolving timetable conflicts and scheduling issues that may result from following a nonstandard schedule; understanding Calendar/timetable schedule release dates and academic deadlines; planning to submit the application for graduation when entering last session in the program; and reviewing CAPP Report (degree evaluation). Any errors or omissions on this document do not absolve students from having to complete all of the program requirements. Review updated PSW each term for any changes.

(F) **FALL – September - December**	(Sp) **SPRING – January - April**	(Su) **SUMMER – May - August**
1A	**1B**	**WT**
(F,Sp) CSC 111 (F) ENGR 130 (F) ENGR 110 (or (F) ENGR 112 + ENGL 135 or ATWP135) (F,Sp,Su) MATH 100 or 109 (F) MATH 110 or MATH 211 (F,Sp) PHYS 110	(Sp) CHEM 150 or CHEM 101 (Sp) ENGR 120 (or (Sp) ENGR 121 +(Sp,F) ENGR 240 or ENGL 225) (Sp,Su) ENGR 141 (Sp,Su,F) MATH 101 (Sp,Su) PHYS 111	Work Term or 1A/1B courses
2A Year declared into BME:	**WT Year:**	**2B Year:**
(F) BME 200 *(CHEM 101 or 150; & one of PHYS 111,112,125,130)* (F,Sp) CHEM 231 *(CHEM 101 or CHEM 150)* (F) CSC 116 *(CSC 110 or CSC 111)* (Su,F) ECE 250 *(MATH 101; & one of PHYS 111, 125, 130)* (F,Sp,Su) MATH 200 *(MATH 101)* (F, Sp) MECH 240 *(MATH 101)*	Work Term	(Su) BME 201 *(CHEM 101 or 150; & one of PHYS 111, 125, 130)* (F,Su) ECE 216 *(MATH 200; one of PHYS 110,120, 122 & one of PHYS 111, 125, 130 & MATH 204 as pre- or co-requisite)* (F,Su) ECE 260 *(MATH 101; & MATH 110 or MATH 211 {211 may be pre- or co-requisite})* (Su,F,Sp) MATH 204 *(MATH 200 or 205)* (Su,Sp) MECH 220 *(ENGR 141 & MATH 200)* (Su, F) MECH 242 *(ENGR 141; & CSC 110 or CSC 111; & MATH 101; & MATH 110 or MATH 211; & one of PHYS 110, 122, 120) & MATH 204 pre- or co-requisite)*
WT Year:	**3A *Start of stream choice* Year:**	**WT Year:**
Work Term	(Sp) BME 350 *(BME 201 & MECH 220)* ***(2.0 units)*** (Sp) ECE 330 *(min GPA of 3.0 in all: ECE 216; ECE 250; & MATH 200)* ***or*** (Sp) ECE 365 *(one of ECE 216, & ECE 250)* (Sp) ECE 360 *(ECE 260)* (Sp) MECH 345 *(MECH 220 and MECH 242; MECH 240 or MECH 295; & MATH 200)* **2 of:** (Sp) ECE 300 *(ECE 250 & ECE 260; & MATH 201 or MATH 204 pre- or co-requisite)*, (Sp,Su) ECE 310 *(ECE 260)*, (Sp) ECE 320 *(min GPA of 3.0 in all: ECE 216; ECE 220; & MATH 204)*, (Sp) ECE340 *(one of ECE 216; & MATH 201 or MATH 204 pre- or co-requisite)*, or (F) MECH 320 *(MECH 220)*	Work Term
3B Year:	**WT Year:**	**4A Year:**
(F) BME 320 *(CHEM 101 or 150; & PHYS 111)* (F) BME 335 *(ECE 260 & one of ECE 330, ECE 365, pre- or co-requisite)* (F, Su) ECON 180 *(MATH 101)* (F) STAT 254 *(MATH 200 pre- or co-requisite)* **1 of:** (F) ECE 350 *(ECE 310)*, (F) ECE 370[1] *(ECE 216 &ECE 250)*, (F) ECE 380[1] *(ECE 300 & ECE 320 & ECE 330)*, (Sp)MECH 330 *(MECH 220 & MECH 242; & MATH 110 or MATH 211; & one of MATH 201,MATH 204)*, (Sp) MECH 360 *(MECH 220)*, or (F) MECH 395 *(MECH 240 & MECH 345)* 1 Complementary Studies Elective	Work Term	(Su, Sp) BME 499 *(BME 350 or MECH 350; BME 320, BME 335, **ENGR 002**, MECH 345 & 4th year standing in BME program)* (Su,F,Sp) ENGR 297 *(one of ENGR 120, ENGR 240, ENGL 225, ENSH 202 pre-corequisite)* 1 Biological Science Electives* 1 Biomedical Electives** 2 Technical Electives***
WT Year:	**4B Year:**	
Work Term ENGR 446, Technical Report **(not a class you attend)** *(**ENGR 002** & 6 units of 400-level courses taken within the Faculty of Engineering; & ENGR 003 pre- or co-requisite)*	(Sp,F) CSC 349A *(CSC 110 or CSC 111; & MATH 110 or MATH 211; & MATH 200 & MATH 204)* (Sp,F) ENGR 498 *(BME 499 pre- or co-requisite; & ENGR 003)* 1 Biological Science Electives* 1 Biomedical Electives** 1 Technical Electives***	

[1] *Not acceptable if student presents credit in ECE 365 or ELEC 365*

10.5 units or 7 Biological Science/Biomedical/Technical elective courses in total:
* Choose 3.0 units or 2 biological science elective courses over terms 4A and 4B
** Choose 3.0 units or 2 biomedical elective courses over terms 4A and 4B;
*** Choose 4.5 units or 3 biomedical and/or technical elective courses over terms 4A and 4B (at least 1.5 units from the Technical Design Electives).

Biomedical Engineering Calendar Information

Faculty of Engineering and Computer Science Requirements (approved course substitutions, academic regulations, maximum time for degree completion, graduation requirements.

Academic Standing Roadmap

Biomedical Engineering Program Website

Class Schedule Search

Course Registration and Waitlist Management

Important Academic Dates

Academic Advising Support

Forms

Applying for Graduation

Iron Ring

CO-OP Work Terms

Students must complete four Co-op work terms (ENGR 001, 002, 003, 004). Work terms are normally of four months duration and alternate with academic terms. ***Upon approval***, work terms of 4 months can be combined to 8-, 12-, or 16-month periods of employment. ***Students are expected to end their program on an academic term.***

Work Term 1 – ENGR 001
Prerequisites: *ENGR 110 (or ENGR 112; and one of ENGL 135 or ATWP 135), ENGR 130, MATH 100; and at least two of CSC110 or 111, MATH 110 or 211, PHYS 110; and permission of the faculty.*

Work Term 2 – ENGR 002
Prerequisites: *ENGR 001, ENGR 130; and either ENGR 120; ENGR 121 and ENGR 240 or ENGL 225; and Academic Writing Requirement satisfied; and permission of the faculty.*

Work Term 3 – ENGR 003
Prerequisites: *ENGR 002, ENGR 130; and either ENGR 120; ENGR 121 and ENGR 240 or ENGL 225; and one of **BME 200**, CIVE 299, ECE 250, MECH 200, SENG 265; and Academic Writing Requirement satisfied; and permission of the faculty.*

Work Term 4 – ENGR 004
Prerequisites: *ENGR 003; and one of **BME 201**, ECE 299, CIVE 285, MECH 285, SENG 275, SENG 299; and permission of the faculty.*

Curriculum, Advising and Program Planning (CAPP) Report

This report allows you to track your academic progress throughout your studies at UVic. You can refer to your CAPP Report (degree evaluation) for information on completed and remaining degree program requirements. Log on to your Online tools and select **Student Services** and then **CAPP report/Degree evaluation** under **Grades & records**.

ACADEMIC ADVISING, BY APPOINTMENT: Use the online appointment booking system to book an appointment with your engineering program adviser. On this site, you will find the instructions for getting started in the "Welcome" window. To book an appointment with your advisor, choose Declared Programs, and the name of your Academic Advisor.