

Program Scheduling Plan Electrical Engineering January Calendar 2022

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](#); compliance with prerequisite and corequisite requirements; resolving timetable conflicts and scheduling issues that may result from following a nonstandard schedule; understanding registration dates and 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 PSW do not absolve students from having to complete all of the program requirements.

Student's name & number: _____

FALL	SPRING	SUMMER
1A	1B	1C
<input type="checkbox"/> CSC 111 <input type="checkbox"/> ENGR 110 ¹ <input type="checkbox"/> ENGR 130 <input type="checkbox"/> MATH 100 or 109 <input type="checkbox"/> MATH 110 <input type="checkbox"/> PHYS 110	<input type="checkbox"/> CHEM 150 <input type="checkbox"/> ENGR 120 <input type="checkbox"/> ENGR 141 <input type="checkbox"/> MATH 101 <input type="checkbox"/> PHYS 111	
2A Year:	WT Year:	2B Year:
<input type="checkbox"/> CSC 116 <input type="checkbox"/> ECE 241 <input type="checkbox"/> ECE 250 <input type="checkbox"/> ECE 255 <input type="checkbox"/> MATH 200 <input type="checkbox"/> STAT 254	<input type="checkbox"/> Work Term	<input type="checkbox"/> ECE 216 <input type="checkbox"/> ECE 220 <input type="checkbox"/> ECE 260 <input type="checkbox"/> ECE 299 <input type="checkbox"/> MECH 295 <input type="checkbox"/> MATH 204
WT Year:	3A Year:	WT4 Year:
<input type="checkbox"/> Work Term	<input type="checkbox"/> CSC 349A <input type="checkbox"/> ECE 300 <input type="checkbox"/> ECE 310 <input type="checkbox"/> ECE 320 <input type="checkbox"/> ECE 330 <input type="checkbox"/> ECE 340	<input type="checkbox"/> Work Term
3B Year:	WT Year:	4A Year:
<input type="checkbox"/> ECE 350 <input type="checkbox"/> ECE 355 <input type="checkbox"/> ECE 360 <input type="checkbox"/> ECE 370 <input type="checkbox"/> ECE 380 <input type="checkbox"/> ECE 399	<input type="checkbox"/> Work Term	<input type="checkbox"/> ECE 499 <input type="checkbox"/> ECON 180 <input type="checkbox"/> 4 Technical Electives ²
WT Year:	4B Year:	
<input type="checkbox"/> Work Term <input type="checkbox"/> ENGR 446 ⁶ (not a class you attend)	<input type="checkbox"/> ENGR 297 <input type="checkbox"/> 1 Natural Science Elective ³ <input type="checkbox"/> 1 Complementary Studies Elective ⁴ <input type="checkbox"/> 3 Technical Electives ²	

Footnotes:

- 1 Students must successfully complete the Academic Writing Requirement (AWR) or ENGR 110 before undertaking their second work term (ENGR 002).
- 2 Students must take a total of **seven** Technical Electives selected from the [list of Technical Electives](#) found on the ECE website.
Students from the Camosun Bridge program must take 2 technical electives from the [Special Bridge Student's Elective List](#)
- 3 A Natural Science elective following Canadian Engineering Accreditation Board (CEAB) guidelines. A [list of approved electives](#) is found on the ENGR website.
ELEC Students from the Camosun Bridge program must take MECH 295 (offered only in summer) as their natural science elective.
- 4 A Complementary Studies elective dealing with central issues in humanities or social sciences following CEAB guidelines, and as approved by the Faculty of Engineering's BEng/BSEng Student Programs Committee. A [list of approved complimentary studies](#) courses is found on the ENGR website.
- 5 Students normally take ENGR 446 in the term preceding the final term of their academic program (academic or work term).

Electrical Engineering

COURSE		
PREREQ	CO-REQ	PREREQ FOR CO-REQ FOR
TERM		

1ST year

CSC 111	ENGR 130	ENGR 110	MATH 100	MATH 110	PHYS 110
CSC 116, 349A ECE 255, ENGR120 MECH 458		ENGR 120	MATH 101, ENGR 141 PHYS110,111	ECE 260	MATH100 or 109 PHYS111, ECE 216,426
SPRING, FALL	SPRING, SUMMER, FALL	FALL	SPRING, SUMMER, FALL	FALL	FALL, SPRING

CHEM 150*	ENGR 120	ENGR 141	MATH 101	PHYS 111
ECE 220	CSC 110 or 111, ENGR 110 or (112, ENGL135)	MATH 100 or 109, MATH 110 or 211 ECE 426	MATH100 or 109 MATH200, ECE 250,260, MECH295 Recommended: with PHYS 111	PHYS110, MATH 100 or 109 or 102 ECE 216,220
SPRING	SPRING	SPRING, SUMMER	SPRING, SUMMER, FALL	SPRING, SUMMER

2nd year- 2A

ECE 241	ECE 255	CSC 116*	ECE 250	MATH 200	STAT 254*
2 nd year standing ECE 441, ECE 299	CSC 111 ECE 355, 458, 460, SENG 475	CSC 110 or 111	MATH 101, PHYS111 ECE 299 ECE 300,330, 370	MATH101 ECE 216, 220, 403, CSC349A, MECH410,460 STAT254	MATH 200 ECE 440,463, 485
FALL	FALL	FALL	SUMMER, FALL	SPRING, SUMMER, FALL	FALL

2nd year- 2B

ECE 216*	ECE 220	ECE 260	ECE 299	MECH 295	MATH 204
MATH 200, PHYS110,111 MATH 201 or 204 ECE 320,340, 330, 370, MECH458, ECE 220	CHEM101 or 150; MATH 200, PHYS111 or 112 or 125 ECE 216	MATH 101 and110 or 211 ECE 300, 310,340,360	ECE 241, ECE 250, ENGR 120 or 121 ECE 399	MATH101	MATH200 or 205 CSC349A
SUMMER, FALL	SUMMER	SUMMER, FALL	SUMMER	SUMMER	SPRING,SUMMER, FALL

3rd year- 3A

CSC 349A	ECE 300	ECE 310	ECE 320	ECE 330	ECE 340
CSC110 or 111; MATH 110 or 211, either MATH200 and 201 or MATH 202 or 204	ECE 250, 260 MATH 201 or 204 ECE 380, 404	ECE 260 ECE 350,403, 407, 435, 459, 483, 484, 486, 466, 471	Min GPA 3.0 in all: ECE 216,220, or BME 320 MATH 204 ECE 380,412, 420,452,481	Min GPA 3.0 in all: ECE216,250, MATH 200 ECE 350,380, 461, 462	ECE216, MATH 201, 204 ECE 404, 434, 452, 453
SPRING, FALL	SPRING	SPRING, SUMMER	SPRING	SPRING	SPRING

3rd year- 3B

ECE 355	ECE 350	ECE 360	ECE 370	ECE 380	ECE 399
ECE 241 or MATH 122, ECE 255 or CSC230 ECE 471, 449, 455, 466, SENG 440, 466	ECE 310 ECE 417,450, 456	ECE 260 ECE 426, 460,461,462	ECE 216, 250 ECE 410, 462, 482, 488	ECE 300, 320, 330 ECE 410, 481	ECE 299, ENGR 001 and, 3 rd year standing ECE 499
FALL	FALL	SPRING, FALL	FALL	FALL	FALL

4th year- 4A & 4B

ECE 499	ECON 180	ENGR 297	ENGR 446 Technical Report	** 7 technical electives	* 1 CS elective & * 1 NS elective
ECE 399 or MECH 350 or BME 350, 3 of ECE 310,350,355, 360,370,380 ENGR002, 4th year standing	MATH 101, admission to BENG program	ENGR 120 or ENGR 240 or ENGL 225	ENGR 002 & 6 units of 400-level courses ENGR 003		
SUMMER	SUMMER, FALL	SPRING, SUMMER, FALL	SPRING, SUMMER, FALL		

Equivalent courses:

CHEM 150- CHEM 101 (Summer, Fall)
ECE 216 – PHYS 216 (Fall)
ENGR 240 – ENGL 225 (Spring, Fall)
MATH 110/133 – MATH 211/233A (Spring, Fall)
MATH 201 – MATH 204 (Spring, Summer, Fall)
PHYS 110 – PHYS 120 (Fall)
PHYS 111 – PHYS 130 (Spring)
STAT 254 – STAT 260 (Spring, Summer, Fall)
CSC 116 – CSC 115 (Spring, Summer, Fall)
ENGR 280 – ECON 180 (Summer, Fall)

Notes:

- * [Undergraduate program](#) and [advising](#) webpages for more information
- ** Some 4th year courses may be pre/co-requisites for technical electives.
- [list of ECE Technical Electives](#) and the [Special Bridge Student's Elective list](#)
- Check the current [UVic Calendar](#) for latest updates
- Contact your Academic Advisor at engradv2@uvic.ca for any questions
- Any errors or omissions on this PSW do not absolve students from having to complete all of the program requirements