

Program Scheduling Plan  
September 2015  
**Electrical Engineering**

You are responsible for confirming and satisfying course prerequisites/corequisites and resolving timetable conflicts that result from following a non standard schedule. Consult the prerequisite chart on the reverse page to arrange your courses.

**IMPORTANT:**

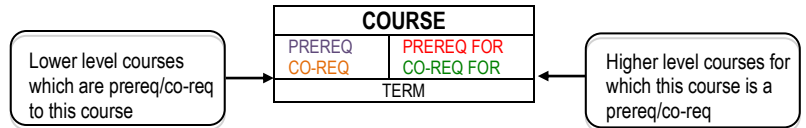
Students must successfully complete ENGR 110, 120, & 141 before moving into the 2<sup>nd</sup> year program.

FALL		SPRING		SUMMER	
<b>1A</b>		<b>1B</b>		<b>1C</b>	
<input type="checkbox"/> CSC 111 <input type="checkbox"/> ENGR 110 <sup>1</sup> <input type="checkbox"/> ENGR 130 <sup>2</sup> <input type="checkbox"/> MATH 100 <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			
<b>2A</b>	<b>Year:</b>	<b>WT2</b>	<b>Year:</b>	<b>2B</b>	<b>Year:</b>
<input type="checkbox"/> CENG 241 <input type="checkbox"/> CENG 255 <input type="checkbox"/> CSC 116 <sup>3</sup> <input type="checkbox"/> ELEC 250 <input type="checkbox"/> MATH 200 <input type="checkbox"/> STAT 254		<input type="checkbox"/> Work Term		<input type="checkbox"/> ELEC 216 <input type="checkbox"/> ELEC 220 <input type="checkbox"/> ELEC 260 <input type="checkbox"/> ELEC 299 <input type="checkbox"/> MECH 295 <input type="checkbox"/> MATH 204	
<b>WT3</b>	<b>Year:</b>	<b>3A</b>	<b>Year:</b>	<b>WT4</b>	<b>Year:</b>
<input type="checkbox"/> Work Term		<input type="checkbox"/> CSC 349A <input type="checkbox"/> ELEC 300 <input type="checkbox"/> ELEC 310 <input type="checkbox"/> ELEC 320 <input type="checkbox"/> ELEC 330 <input type="checkbox"/> ELEC 340		<input type="checkbox"/> Work Term	
<b>3B</b>	<b>Year:</b>	<b>WT5</b>	<b>Year:</b>	<b>4A</b>	<b>Year:</b>
<input type="checkbox"/> CENG 355 <input type="checkbox"/> ELEC 350 <input type="checkbox"/> ELEC 360 <input type="checkbox"/> ELEC 370 <input type="checkbox"/> ELEC 380 <input type="checkbox"/> ELEC 399		<input type="checkbox"/> Work Term		<input type="checkbox"/> ELEC 499 <input type="checkbox"/> ENGR 280 or ECON 180 <sup>4</sup> <input type="checkbox"/> ENGR 297 <input type="checkbox"/> Technical Electives <sup>5</sup>	
<b>WT6</b>	<b>Year:</b>	<b>4B</b>	<b>Year:</b>		
<input type="checkbox"/> Work Term		<input type="checkbox"/> ENGR 446 <sup>8</sup> <input type="checkbox"/> 1 Natural Science Elective <sup>6</sup> <input type="checkbox"/> 1 Complementary Studies Elective <sup>7</sup> <input type="checkbox"/> Technical Electives <sup>5</sup>			

**Footnotes:**

- 1 Students must successfully complete the Academic Writing Requirement (AWR) or ENGR 110 before undertaking their second work term (ENGR 002).
- 2 ENGR 130 (Introduction to Professional Practice) should be completed during the first term upon admission to the program (1A, 2A or 3A). Students must successfully complete ENGR 130 before undertaking their first work term (ENGR 001)
- 3 CSC 115 may be substituted in a term when CSC 116 is not offered. CSC 116 is strongly recommended.
- 4 ECON 180 is usually offered in the Fall term.
- 5 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](#)**
- 6 A Natural Science elective following Canadian Engineering Accreditation Board (CEAB) guidelines. A [list of approved electives](#) is found on the ECE website.  
**ELEC Students from the Camosun Bridge program must take MECH 295 (offered only in summer) as their natural science elective.**
- 7 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 ECE website.
- 8 Students normally take ENGR 446 in the term preceding the final term of their academic program (academic or work term).

# Electrical Engineering



1<sup>ST</sup> year

<b>CSC 111</b> CSC 116, CENG 255, MECH 458	<b>ENGR 130</b>	<b>ENGR 110</b> ENGR110 diagnostic or ENGL099	<b>MATH 100</b> ENGR 280, MATH 101 PHYS110,111	<b>MATH 110</b> ELEC 260	<b>PHYS 110</b> MATH100 PHYS111, ELEC216,426
SPRING, FALL	SPRING, SUMMER, FALL	FALL	SPRING, SUMMER, FALL	FALL	FALL, SPRING

<b>CHEM 150</b>	<b>ENGR 120</b> CSC 110 or 111, ENGR 110 or 111 or (112, ENGL135)	<b>ENGR 141</b> ENGR 297 ELEC426	<b>MATH 101</b> MATH100 MATH200, ELEC260, MECH295 PHYS111	<b>PHYS 111</b> PHYS110, MATH 100 or 102 ELEC216,220
SPRING	SPRING	SPRING	SPRING, SUMMER, FALL	SPRING, SUMMER

2<sup>nd</sup> year

<b>CENG 241</b> CENG441	<b>CENG 255</b> CSC111, CSC115 or 116 CENG355, 460	<b>CSC 116</b> CSC 110 or 111 CENG255	<b>ELEC 250</b> MATH 101, PHYS111 ELEC300,330, 370	<b>MATH 200</b> MATH101 ELEC220, CSC349A, MECH410,460 ELEC216, STAT254	<b>STAT 254</b> MATH200 ENGR280 ELEC485, CENG 412
FALL	FALL	FALL	SUMMER, FALL	SPRING, SUMMER, FALL	FALL

<b>ELEC 216</b> PHYS110,111 MATH 200 ELEC340,434, MECH458,466 ELEC 220	<b>ELEC 220</b> PHYS111 or 112 or 125; MATH 200, ELEC 216 ELEC320	<b>ELEC 260</b> MATH 101,110 or 211 ELEC300, 310,340,360	<b>ELEC 299</b> ENGR 120 or 121, MATH110 or 211 ELEC399	<b>MECH 295</b> MATH101	<b>MATH 204</b> MATH200 or 205 CSC349A
SUMMER, FALL	SUMMER	SUMMER, FALL	SUMMER	SUMMER	SPRING, SUMMER, FALL

3<sup>rd</sup> year

<b>CSC 349A</b> CSC110 or 111; MATH 110 or 211, and 202 or (200, & 201 or 204)	<b>ELEC 300</b> ELEC 250, 260 ELEC380, 404	<b>ELEC 310</b> ELEC 260 ELEC350,403, 407, 435, 459, 483, 484, 486, 466 CENG 421	<b>ELEC 320</b> ELEC 220 ELEC412, 420,452,481	<b>ELEC 330</b> ELEC 250 ELEC350, 380, 461, 462	<b>ELEC 340</b> ELEC 216, MATH 201 ELEC404, 434, 452, 453
SPRING, FALL	SPRING	SPRING, SUMMER	SPRING	SPRING	SPRING

<b>CENG 355</b> CENG 255 or CSC230 or MECH405 CENG421, 455 ELEC466, SENG461, 466	<b>ELEC 350</b> ELEC 310, 330 ELEC450, 456	<b>ELEC 360</b> ELEC 260 ELEC 426, 460,461,462	<b>ELEC 370</b> ELEC 250 ELEC410, 462,488	<b>ELEC 380</b> ELEC 300, 330 ELEC410, 481	<b>ELEC 399</b> ENGR 001 and, 3 <sup>rd</sup> year standing ELEC499
FALL	FALL	SPRING, FALL	FALL	FALL	FALL

4<sup>th</sup> year

<b>ELEC 499</b> ELEC/CENG 399 or MECH 350 or BME 350, ENGR002, 4 <sup>th</sup> year standing	<b>ENGR 280</b> MATH 110, STAT 254 or 260	<b>ENGR 297</b> ENGR120 or ENGR240 or ENGL 225	<b>ENGR 446 Technical Report</b> ENGR 002 & 6 units of 400-level courses ENGR 003	<b>** 7 technical electives</b>	<b>* 1 CS elective &amp; * 1 NS elective</b>
SUMMER	SUMMER	SUMMER	SPRING		

## Equivalent courses:

CHEM 150- CHEM 101 (Summer, Fall)  
ELEC 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, Fall)  
CSC 116 – CSC 115 (Spring, Summer, Fall)  
ENGR 280 – ECON 180 (Summer, Fall)

## Notes:

\*Please see the [undergraduate program](#) and [advising](#) webpages for more information  
\*\* Some 4<sup>th</sup> year courses may be pre/co-requisites for technical electives.  
-Please check [list of ECE Technical Electives](#) and the [Special Bridge Student's Elective list](#)  
-Please check the current [UVic Calendar](#) for latest updates  
-Please contact your Academic Advisor at [engradv2@uvic.ca](mailto:engradv2@uvic.ca) if you find any discrepancies between the Calendar and this sheet.