

Diploma in Electronics and Computer Engineering – Renewable Energy 2014 Entry Program Transition Plan

Year Two - Non Co-op Students		
Quarter 1 September 2015		Requisites
ELEX 231	Engineering Interfacing in C++	ELEX 131
ELEX 240	Electronic Devices 2	ELEX 143, MATH 174B
ELEX 250	Communications Systems 1	ELEX 143, MATH 175
ELEX 267	Embedded Systems 2	ELEX 131, ELEX 167

Year Three - Non Co-op Students		
September 2016 - Quarter courses taught on Semester		Requisites
ELEX 241	Fundamentals of Control	ELEX 244
ELEX 242	Power Electronics	ELEX 244
ELEX 290	Applied Research Project	Successful completion of
ENGL 273	Technical Communication	ENGL 170, ELEX 290

Year Two - Non Co-op Students		
Quarter 2 January 2016		Requisites
ELEX 244	Electronic Devices 3	ELEX 240
ELEX 251	Communications Systems 2	ELEX 250
ELEX 283	Data Acquisition Systems	ELEX 167, ELEX 244
ELEX 284	System Dynamics	ELEX 142, MATH 175

Year Two - Non Co-op Students		
Quarter 3 April 2016		Requisites
ELEX 235	Computer Engineering	ELEX 231, ELEX 267
ELEX 252	Communications Systems 3	ELEX 167, ELEX 251
ELEX 268	Embedded Systems 3	ELEX 267
ELEX 285	Digital Signal Processing	ELEX 284

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Year Two - Co-op Students		
Quarter 1 September 2015		Requisites
ELEX 231	Engineering Interfacing in C++	ELEX 131
ELEX 240	Electronic Devices 2	ELEX 143, MATH 174B
ELEX 250	Communications Systems 1	ELEX 143, MATH 175
ELEX 267	Embedded Systems 2	ELEX 131, ELEX 167

Year Two - Co-op Students		
Quarter 2 January 2016		Requisites
ELEX 244	Electronic Devices 3	ELEX 240
ELEX 251	Communications Systems 2	ELEX 250
ELEX 283	Data Acquisition Systems	ELEX 167, ELEX 244
ELEX 284	System Dynamics	ELEX 142, MATH 175

Year Two - Co-op Students		
Quarter 3 April and July 2016		Requisites
ELEX 102	Co-operative Work Experience 1	COOP WEP
OR		
ELEX 201	Co-operative Work Experience 2	ELEX 101 or ELEX 102 a

Year Three - Co-op Students		
Quarter 1 September 2016		Requisites
ELEX 241	Fundamentals of Control	ELEX 244
ELEX 242	Power Electronics	ELEX 244
ELEX 290	Applied Research Project	Successful completion of
ENGL 273	Technical Communication	ENGL 170, ELEX 290

Year Three - Co-op Students		
January 2017		Requisites
ECET 251	Digital Communications	ELEX 251
ECET 260	ARM Microcontrollers & the Internet of Things	ELEX 267
ECET 261	Embedded Networking & Operating Systems	ELEX 231 , ELEX 267
ECET 282	Digital Signal Processing	ELEX 284

Year Three - Co-op Students		
April 2017 - Graduate early		

Diploma in Electronics and Computer Engineering – Renewable Energy

2014 Entry Program Transition Plan

Overview

As you are aware, the Electronics department is moving its entire curriculum over to the semester system. From September 2016 onwards, all courses and programs will be changing. The purpose of this document is to map out for you the courses and terms that you will need to take to graduate from the program. If you receive new courses which normally will have higher fees, the college has agreed that you will not incur these new fees for the first attempt. If you fail one of these courses then you will be charged the prevailing rate.

September 2016, Co op Stream

The sequencing of your courses is going to change. You will take exactly the same courses as the non Co- op stream for Fall 2016. This term is followed by the winter term where you will receive the new versions of the remaining courses in your existing diploma. This term will be delivered on the full semester of 14 weeks.

Note that the Co op term normally available during Q2 Jan to march is no longer available.

You will however graduate two months earlier.

Program Completion Requirements

To qualify for a Diploma in Electronics and Computer Engineering – Renewable Energy, a student must complete all program courses including Workplace Education Prep, and achieve an overall GPA of at least 2.0 in order to qualify for a diploma.

Admission Requirements to Electrical and Computer Engineering Bridge to UVic

Graduates of the Diploma in Electronics and Computer Engineering – Renewable Energy program with a GPA of at least 5.0 (B) and no grade less than a “C” in any course may apply to the Electrical & Computer Engineering Bridge program which bridges to the third year of Electrical or Computer Engineering at the University of Victoria.

Important note: If you are planning on bridging, the Engineering bridge to UVIC will start in Winter 2017. It is recommended that students who wish to bridge with the minimum gap take the non Co-op stream. However within the new Bridge, there is a work term between the two terms that can transfer to UVIC.

Students who cannot follow the Program Plan as outlined

Students who cannot take the program on a full time basis need to connect with the School of Trades and Technology Academic Advisor to discuss course planning: academicadvising@camosun.bc.ca.

Who to Contact:

- Questions about program credential requirements contact the School of Trades and Technology Academic Advisor: academicadvising@camosun.bc.ca
- Questions about the program content, contact the Chair of Electronics and Computer Engineering: duncana@camosun.bc.ca | 250.370.4433
- Questions about co-operative education, work terms, internships: Co-operative Education & Student Employment: co-op@camosun.bc.ca | 250-370-4410