

# Electrical Engineering Program

(Sequences based on Calendar of 2023-24)

1- The Department will be offering all of the 200 and 300-level courses which are core for both the Electrical Engineering program and Computer Engineering program (except project courses) in all three terms of Summer, Fall and Winter. Courses which are offered in all three terms are shown in the following recommended sequences in **blue font**.

2- The Department will be offering all of the 200 and 300-level courses which are core to either the Electrical Engineering program or Computer Engineering program in both the Fall and Winter terms. Courses which are offered in both the Fall and Winter terms are shown in the following recommended sequences in **red font**.

3- ENGR290, ELEC390 and COEN390 projects are offered in both the Fall and Winter terms. ELEC490 and COEN490 projects are offered once a year as a two-term project in the Fall/Winter term.

4- Students who have been admitted and registered in the Electrical Engineering or Computer Engineering programs in Fall 2019 or later are required to be either in the COOP program or C-Edge program. Students in the C-Edge or COOP programs are supposed to take and pass at least one or three work terms, respectively. Note that students may not register in COEN490 and ELEC490 projects if they have not completed and passed one work term.

5- Being in the COOP program is optional. As a coop student, you should be a full time student in all summer, Fall and Winter terms by registering at least in 12 credits in each term. A student who is withdrawn from the COOP program will be automatically enrolled in the C-Edge program. COOP students are supposed to follow the sequence as shown below. If a COOP student lags behind in courses, due to taking a low number of courses or failing some of the courses and need to change work terms, he/she has to fill the sequence change form and contact the corresponding Undergraduate Program Director for re-scheduling of COOP work terms.

Electrical Engineering Program (COOP Fall Entry) 4-year duration	Fall Year 1	Winter Year 1	Summer Year 1	COOP WORK TERM	Fall Year 2	Winter Year 2	Summer Year 2	Fall Year 3	COOP WORK TERM	COOP WORK TERM	Fall Year 4	Winter Year 4
	COEN243	COEN311	ELEC242		ELEC342	ELEC372	ELEC331	ELEC490			ELEC490	
	COEN212	ELEC273	COEN352		ELEC321	COEN313	ELEC366	ELEC367			GEN-ED	
	COEN231	COEN244	ENGR371		ELEC311	ENGR392	ELEC312	ELECTIVE			ELECTIVE	
	ENGR213	ENGR233	ENGR391		ENGR290	ENGR301	ELEC351	ELECTIVE			ELECTIVE	
ENGR201&202	ENCS282		ELEC251		ELEC390	ELECTIVE	ELECTIVE					

6- Note that students may not withdraw from the C-Edge program unless they have been admitted to the COOP program. A student who has 60 credits or less to graduate is eligible for a C-Edge work term. This is the basis for the decision of the Department in assigning the schedule for work terms. Based on the recommendation of the Department, the COOP Institute will inform C-Edge students when they are supposed to take their C-Edge work term. Normally, the work terms are assigned for the Fall and Winter terms. In special cases, a Summer work term may be assigned. If a C-Edge student lags behind in courses, due to taking a low number of courses or failing some of the courses and need to change the work term, he/she has to fill the C-Edge workterm change form and contact the corresponding Undergraduate Program Director for re-scheduling the work term.

7- For C-Edge students, an example of a 4-year sequence is given below. According to this sequence, Fall entry students take their C-Edge work term either in Fall Year 3 or Winter Year 3 but Winter entry students take their C-Edge work term in Winter Year 3.

Electrical Engineering Program (C-Edge Fall Entry) 4-year duration	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2	C-Edge WORKTERM	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
	COEN243	COEN311	No activity	ELEC242	ELEC342	ELEC372		ELEC312	ELEC366		ELEC490	ELEC490
	COEN212	ELEC273		ELEC251	ELEC331	COEN313		ELEC367	ENGR391		GEN-ED	
	COEN231	COEN244		ELEC311	ENGR290			ELEC351	ENGR301		ENGR392	
	ENGR213	ENGR233		COEN352	ENGR371			ELEC312			ELECTIVE	ELECTIVE
ENGR201	ENCS282	ENGR202		ELEC321		ELEC366		ELECTIVE	ELECTIVE			

Electrical Engineering Program (C-Edge Winter Entry) 4-year duration	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 3	Fall Year 3	C-Edge WORKTERM	Summer Year 3	Fall Year 4	Winter Year 4	
		COEN243	ELEC273	ELEC242	ELEC342	ELEC372	ELEC312			ENGR391	ELEC490	ELEC490
		COEN212	COEN244	ELEC251	ELEC331	COEN313	ELEC366			ENGR301	ENGR392	GEN-ED
		COEN231	ENGR233	ELEC311	ENGR290		ELEC367				ELECTIVE	ELECTIVE
		ENGR213	ENCS282	COEN352	ENGR371		ELEC351				ELECTIVE	ELECTIVE
	ENGR201&202		COEN311	ELEC321		ELEC390		ELECTIVE	ELECTIVE			

8- For C-Edge students, an example of a 4.5-year sequence is given below. According to this sequence, Fall entry students take their C-Edge work term either in Fall Year 3 or Winter Year 3 but Winter entry students take their C-Edge work term in Winter Year 3.

							Fall Year 3	Winter Year 3						
							C-Edge WORKTERM	ELEC390						
								ELEC366						
Electrical Engineering Program (C-Edge Fall Entry) 4.5-year duration	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2		ELEC351	Summer Year 3	Fall Year 4	Winter Year 4	Summer Year 4	Fall Year 5	
	COEN243	COEN244	COEN231	ELEC242	ELEC342	ENGR371		ELEC367	ENGR301	ELEC490	ELEC490	ENGR392	GEN-ED	
	COEN212	ELEC273	COEN311	ELEC251	ELEC331	ELEC372	Fall Year 3		ENGR391	ELEC312	ELEC321	ELECTIVE	ELECTIVE	
	ENGR213	ENGR233		ELEC311	COEN352			ELEC390		ELECTIVE	ELECTIVE		ELECTIVE	
	ENGR201&202	ENCS282		ENGR290	COEN313			ELEC366					ELECTIVE	
								ELEC351						
								ELEC367						
									C-Edge WORKTERM					

							Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4	Summer Year 4	Fall Year 5	Winter Year 5
Electrical Engineering Program (C-Edge Winter Entry) 4.5-year duration	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2			ENGR301	ELEC390	GEN-ED	ENGR392	COEN490	COEN490
		COEN243	COEN244	ENGR233	ELEC242	ELEC342	COEN313	C-Edge WORKTERM	ENGR391	ELEC321	ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE
	No activity	COEN212	COEN231	ELEC273	ELEC251	ENGR371	ELEC372			ELEC367	ELEC312		ELECTIVE	ELECTIVE
		ENGR213		ENCS282	ELEC311		COEN352			ELEC366	ELEC351			
		ENGR201&202		COEN311	ENGR290		ELEC331							

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