

# ELECTRICAL ENGINEERING

1- Starting academic year 2021-22 (May 2021 onwards), the department will be offering all the courses which are core to either Electrical Engineering or Computer engineering programs (except ELEC490 and COEN490) in two out of three of the terms (Either summer/fall or summer/winter or fall/winter). Courses which are offered in two out of three terms are shown in following recommended sequences in **red font**.

2- Starting academic year 2021-22 (May 2021 onwards), the department will be offering all of the courses which are core for both Electrical Engineering and Computer engineering programs (except ENGR290) in all three terms of summer, fall and winter. Courses which are offered in all three terms are shown in following recommended sequences in **blue font**.

3- Students who have been admitted and registered in 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 in one or three workterms, respectively.

4- COOP students are supposed to follow the sequence as shown below. If a COOP student lags behind in courses due to taking low number of courses or failing in some of the courses, they have to talk to the corresponding Undergraduate Program Director for re-scheduling the COOP workterms.

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

5- A student who has passed ELEC390 and has only 55 credits or less to graduate is eligible to take the C-Edge workterm. This is the basis for the decision of the department in assigning the schedule for the workterm of each student.

6- C-Edge students will be informed by the COOP institute when they are supposed to take their C-Edge workterm at least one year in advance of their scheduled workterm date. This is based on the decision of the department which will be updated every four months by checking the eligibility of students considering earned credits.

7- For C-Edge students, an example of a 4-year sequence is given below. According to this sequence from Summer Year 2, these students should follow the sequence that corresponds to their assigned work term.

						Summer Year 2	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
						ELEC390	C-Edge WORKTERM	ELEC312	No activity	ELEC490	ELEC490
						COEN313		ELEC321		GEN-ED	ENGR392
						ENGR391		ELEC367		ELECTIVE	ELECTIVE
						ELEC366		ELEC351		ELECTIVE	ELECTIVE
								ELEC372		ELECTIVE	ELECTIVE
Electrical Engineering Program (C-Edge Fall Entry)	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
	COEN243	COEN244	No activity	ELEC242	ELEC342	ELEC366	ELEC312	C-Edge WORKTERM	No activity	ELEC490	ELEC490
	COEN212	COEN231		ELEC251	ELEC331	COEN313	ELEC321			GEN-ED	ENGR392
	ELEC273	COEN311		ELEC311	ENGR371	ELEC372	ELEC351			ELECTIVE	ELECTIVE
	ENGR213	ENGR233		ENGR290	COEN352	ELEC390	ELECTIVE			ELECTIVE	
	ENGR201	ENCS282		ENGR202	ENGR301		ELECTIVE			ELECTIVE	
Electrical Engineering Program (C-Edge Winter Entry)	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
	No activity	COEN243	COEN244	ELEC242	ELEC342	ENGR391	ELEC367	C-Edge WORKTERM	No activity	ELEC490	ELEC490
		COEN212	COEN231	ELEC251	ELEC331	ELEC372	ELEC351			GEN-ED	ENGR392
		ELEC273	COEN311	ELEC311	ENGR290		ELECTIVE			ELECTIVE	
		ENGR213	ENGR233	ENGR371	COEN352		ELECTIVE			ELECTIVE	
		ENGR201/202		ENCS282	ENGR301		ELECTIVE			ELECTIVE	
						Summer Year 3	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
						No activity	ELEC321	ELEC312	C-Edge WORKTERM	ELEC490	ELEC490
							COEN313	ELEC390		GEN-ED	ENGR392
							ENGR391	ELEC367		ELECTIVE	ELECTIVE
							ELEC372	ELEC351		ELECTIVE	ELECTIVE
								ELEC366			ELECTIVE

8- For C-Edge students, an example of a 5-year sequence is given below. Note that students are responsible to prepare their own course sequences based on the assigned schedule for their workterm.

								Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4	Summer Year 4	Fall Year 5	Winter Year 5
								ELEC312	No activity	C-Edge WORKTERM	ELEC321	No activity	ELEC490	ELEC490
								ELEC372			ELEC367		GEN-ED	ENGR392
								ELEC366			ELEC351		ELECTIVE	ELECTIVE
								ELEC390			ENGR301		ELECTIVE	ELECTIVE
Electrical Engineering Program (C-Edge Fall Entry)	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2	Fall Year 3	ELEC312	Summer Year 3	Fall Year 4	Winter Year 4	Summer Year 4	Fall Year 5	Winter Year 5
	COEN243	COEN244	No activity	ELEC242	ELEC342	No activity	ENGR371	ELEC312	No activity	ELEC321	C-Edge WORKTERM	No activity	ELEC490	ELEC490
	ELEC273	COEN212		ELEC251	ELEC311		ELEC331	ELEC367		GEN-ED			ENGR392	
	ENGR213	ENGR233		COEN231	COEN352		COEN313	ELEC351		ELECTIVE			ELECTIVE	
	ENGR201/202	ENCS282		COEN311	ENGR290		ENGR391	ELEC390		ELECTIVE			ELECTIVE	
								ELEC372						
								ELEC366						
								ENGR301						
									Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4	Summer Year 4	Fall Year 5
								ELEC312	No activity	ELEC321	C-Edge WORKTERM	No activity	ELEC490	ELEC490
								ELEC372		ELEC367			GEN-ED	ENGR392
								ELEC366		ELEC351			ELECTIVE	ELECTIVE
								ENGR301		ELEC390			ELECTIVE	ELECTIVE

Electrical Engineering Program (C-Edge Winter Entry)	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4	Summer Year 4	Fall Year 5	Winter Year 5
	No activity	COEN243	No activity	COEN244	ELEC242	No activity	ELEC342	ENGR371	No activity	ELEC321	ELEC390	C-Edge WORKTERM	ELEC490	ELEC490
		ELEC273		COEN212	ELEC311		ELEC251	ELEC331		ELEC312	ELEC367		GEN-ED	ENGR392
		ENGR213		ENGR233	COEN231		ENGR290	COEN313		ENGR301	ELEC351		ELECTIVE	ELECTIVE
		ENGR201/202		ENCS282	COEN311		COEN352	ENGR290		ELEC372	ELEC366		ELECTIVE	ELECTIVE