Computer 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 studnet, 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 A student who is withdrawn from the COOP program will be automatically enrolled in the C-Edge program.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.

Computer Engineering Program (COOP Fall Entry) 4-year duration	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	COEN311	COEN313	COOP WORK TERM	ELEC242	ELEC372	COEN366	COOP WORK TERM	COOP WORK TERM	COEN490	COEN490
	COEN212	ELEC273	COEN352		COEN314	ELEC342	COEN390			GEN-ED	ELECTIVE
	COEN231	COEN244	ENGR371		SOEN341	ENGR392	COEN320			ELECTIVE	ELECTIVE
	ENGR213	ENGR233	ENGR391		ENGR290	ENGR301	COEN316			ELECTIVE	ELECTIVE
	ENGR201&202	ENCS282			COEN346		COEN317			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.

Computer 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	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
								COEN366			
							C-Edge WORKTERM	COEN316			
	COEN243	COEN311	No activity	ELEC242	ELEC342	ELEC372		COEN320	ENGR392	COEN490	COEN490
	COEN212	ELEC273		ENGR391	COEN346	ENGR371		COEN390	ENGR301	GEN-ED	ELECTIVE
	COEN231	COEN244		COEN352	SOEN341			COEN317		ELECTIVE	ELECTIVE
	ENGR213	ENGR233		COEN313	ENGR290		Fall Year 3	Winter Year 3		ELECTIVE	ELECTIVE
	ENGR201	ENCS282		ENGR202	COEN314		COEN366			ELECTIVE	ELECTIVE
							COEN316	C-Edge WORKTERM			
							COEN320				
							COEN390				
							COEN317				

Computer 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 2	Fall Year 3	Winter Year 3	Summer Year 3	Fall Year 4	Winter Year 4
	No activity	COEN243	ELEC273	ELEC242	ELEC342	ELEC372	COEN366	C-Edge WORKTERM	ENGR392	COEN490	COEN490
		COEN212	COEN244	ENGR391	COEN346	ENGR371	COEN316		ENGR301	GEN-ED	ELECTIVE
		COEN231	ENCS282	COEN352	SOEN341		COEN320			ELECTIVE	ELECTIVE
		ENGR213	ENGR233	COEN313	ENGR290		COEN390			ELECTIVE	ELECTIVE
		ENGR201&202		COEN311	COEN314		COEN317			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.

Computer Engineering Program (C-Edge Fall Entry) 4.5-year duration

C-Edge work term option — Fall Year 3 work term:

Fall Year 3	Winter Year 3
C-Edge WORKTERM	COEN320
	COEN366
	COEN317
	COEN390

C-Edge work term option — Winter Year 3 work term:

Fall Year 3	Winter Year 3
COEN320	C-Edge WORKTERM
COEN366	
COEN317	
COEN390	

Full sequence (Year 3 columns shown with Fall Year 3 work term option):

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
COEN243	COEN244	COEN311	ELEC242	ELEC342	COEN313	C-Edge WORKTERM	COEN320	ENGR391	COEN490	COEN490	ENGR392	GEN-ED
COEN212	COEN231	ENGR233	COEN314	COEN346	ELEC372		COEN366	ENGR371	COEN316	ELECTIVE	ELECTIVE	ELECTIVE
ENGR213	ELEC273		ENGR290	SOEN341			COEN317		ELECTIVE	ELECTIVE		ELECTIVE
ENGR201&202	ENCS282		COEN352	ENGR301			COEN390					ELECTIVE

Computer 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	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	COEN244	COEN231	COEN352	ELEC242	ELEC342	C-Edge WORKTERM	ENGR391	COEN320	COEN316	ELECTIVE	COEN490	COEN490
	COEN212	COEN311	ENCS282	COEN313	ENGR301	SOEN341		ENGR371	COEN390	COEN317	ENGR392	ELECTIVE	ELECTIVE
	ENGR213		ELEC273	ENGR290		ELEC372			COEN366	ELECTIVE		ELECTIVE	GEN-ED
	ENGR201&202		ENGR233	COEN314		COEN346			ELECTIVE	ELECTIVE			