

Computer Engineering

(4-year Duration Sequences)

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. These courses are shown in **red font** in the following sequences.

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. A student who is withdrawn from the COOP program will be automatically enrolled in the C-Edge program.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, they have to fill the sequence change form and contact the corresponding Undergraduate Program Director for the re-scheduling of their 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	COEN231	COEN352		ELEC311	ELEC342	COEN390			Science	Science
	ELEC273	COEN244	ENGR371		SOEN341	ENGR392	COEN320			GEN-ED	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 finishes at least 60 credits is eligible for a C-Edge work term. This is the basis for the decision of the Department in assigning the schedule for the work terms. Based on the recommendation of the Department, the COOP Institute will inform C-Edge students in their first term, and before the DISC deadline, 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.

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
	COEN243	COEN311	No activity	ELEC242	ELEC342	ELEC372	C-Edge WORKTERM	COEN366	No activity	COEN490	COEN490
	COEN212	COEN231		ELEC311	COEN346	ENGR371		COEN316		Science	Science
	ELEC273	COEN244		COEN352	SOEN341	ENGR392		COEN320		GEN-ED	ELECTIVE
	ENGR213	ENGR233		COEN313	ENGR290	ENGR301		COEN317		ELECTIVE	ELECTIVE
	ENGR201	ENCS282		ENGR202	ENGR391			COEN316		ELECTIVE	ELECTIVE
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	COEN231	ELEC242	ELEC342	ELEC372	COEN366	C-Edge WORKTERM	No activity	COEN490	COEN490
		COEN212	COEN244	ELEC311	COEN346	ENGR371	COEN316			Science	Science
		ELEC273	ENCS282	COEN352	SOEN341	ENGR392	COEN320			GEN-ED	ELECTIVE
		ENGR213	ENGR233	COEN313	ENGR290	ENGR301	COEN390			ELECTIVE	ELECTIVE
		ENGR201&202		COEN311	ENGR391		COEN317			ELECTIVE	ELECTIVE

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Please see the next page for 4.5 and 5.5-year sequences

Computer Engineering

(4.5 and 5.5-year duration sequence examples)

8- For C-Edge students, an example of a 4.5-year sequence is given below. In this sequence example, students are supposed to take four courses in the Fall and Winter terms and two

Computer 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	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		COEN490	COEN490	ELECTIVE	GEN-ED
	COEN212	COEN231	ENGR233	ELEC311	COEN346	ELEC372		COEN317	ENGR391	COEN316	Science	ENGR392	Science
	ENGR213	ELEC273	No activity	ENGR290	SOEN341	No activity	Fall Year 3	Winter Year 3	No activity	COEN320	ELECTIVE	No activity	ELECTIVE
	ENGR201&202	ENCS282		COEN352	ENGR301					COEN366			

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	ELEC273	COEN231	COEN352	ELEC242	ELEC342	COEN320	ENGR391	C-Edge WORKTERM	Science	ELECTIVE	COEN490	COEN490
		COEN212	COEN311	ENCS282	COEN313	ENGR301	SOEN341	COEN366	ENGR371	Science	ELECTIVE	ENGR392	ELECTIVE	ELECTIVE
		ENGR213	No activity	COEN244	ENGR290	No activity	ELEC372	COEN317	No activity	Fall Year 4	Winter Year 4	No activity	Science	GEN-ED
		ENGR201&202		ENGR233	ELEC311		COEN346	COEN390		COEN316	C-Edge WORKTERM			

9- For C-Edge students, an example of a 5.5-year sequence is given below. In this sequence example, students are supposed to take four courses in the Fall and Winter terms and no courses in the Summer terms.

										Fall Year 4	Winter Year 4						
										C-Edge WORKTERM	COEN366						
											ENGR391						
											ENGR392						
Computer Engineering Program (C-Edge Fall Entry) 5.5-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	Summer Year 5	Fall Year 6
	COEN243	COEN244	No activity	COEN352	ELEC242	No activity	ELEC342	COEN390	No activity	COEN366	ENGR391	No activity	COEN490	COEN490	No activity	GEN-ED	
	COEN212	COEN231		ELEC273	ENGR301		COEN346	COEN317		ENGR392	Science		Science	ELECTIVE			
	ENGR213	ENGR233		COEN311	ENGR290		ENGR371	SOEN341		ELECTIVE	ELECTIVE		ELECTIVE				
	ENGR201&202	ENCS282		COEN313	ELEC311		COEN316	ELEC372		ENGR391	ELECTIVE						
										COEN320	C-Edge WORKTERM						
										ENGR392							
Computer Engineering Program (C-Edge Winter Entry) 5.5-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	Summer Year 5	Fall Year 6	Winter Year 6
	No activity	COEN243	No activity	COEN244	COEN352	No activity	ELEC242	ELEC342	No activity	COEN390	C-Edge WORKTERM	No activity	COEN490	COEN490	No activity	GEN-ED	ELECTIVE
		COEN212		COEN231	ELEC273		ENGR301	COEN346		COEN317			Science	Science		ELECTIVE	ELECTIVE
		ENGR213		ENGR233	COEN311		ENGR290	ENGR371		SOEN341			ENGR391	ENGR392		ELECTIVE	ELECTIVE
		ENGR201&202		ENCS282	COEN313		ELEC311	COEN316		ELEC372			COEN366	COEN320			

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