

# Computer Engineering Program

(Sequences based on Calendar of 2025-26)

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 A student who is withdrawn from the COOP program will be automatically enrolled in the C-Edge program.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

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
	<a href="#">COEN243</a>	<a href="#">COEN311</a>	<a href="#">COEN313</a>	COOP WORK TERM	<a href="#">ELEC242</a>	<a href="#">ELEC372</a>	<a href="#">COEN366</a>	COOP WORK TERM	COOP WORK TERM	<a href="#">COEN490</a>	<a href="#">COEN490</a>
	<a href="#">COEN212</a>	<a href="#">ELEC273</a>	<a href="#">COEN352</a>		<a href="#">COEN314</a>	<a href="#">ELEC342</a>	<a href="#">COEN390</a>			<a href="#">GEN-ED</a>	<a href="#">ELECTIVE</a>
	<a href="#">COEN231</a>	<a href="#">COEN244</a>	<a href="#">ENGR371</a>		<a href="#">SOEN341</a>	<a href="#">ENGR392</a>	<a href="#">COEN320</a>			<a href="#">ELECTIVE</a>	<a href="#">ELECTIVE</a>
	<a href="#">ENGR213</a>	<a href="#">ENGR233</a>	<a href="#">ENGR391</a>		<a href="#">ENGR290</a>	<a href="#">ENGR301</a>	<a href="#">COEN316</a>			<a href="#">ELECTIVE</a>	<a href="#">ELECTIVE</a>
<a href="#">ENGR201&amp;202</a>	<a href="#">ENCS282</a>		<a href="#">COEN346</a>			<a href="#">COEN317</a>	<a href="#">ELECTIVE</a>			<a href="#">ELECTIVE</a>	

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		
	<a href="#">COEN243</a>	<a href="#">COEN311</a>	No activity	<a href="#">ELEC242</a>	<a href="#">ELEC342</a>	<a href="#">ELEC372</a>	C-Edge WORKTERM	<a href="#">COEN366</a>	C-Edge WORKTERM	ENGR392	<a href="#">COEN490</a>	<a href="#">COEN490</a>	
	<a href="#">COEN212</a>	<a href="#">ELEC273</a>		<a href="#">ENGR391</a>	<a href="#">COEN346</a>	<a href="#">ENGR371</a>		<a href="#">COEN316</a>			<a href="#">ENGR392</a>	<a href="#">COEN490</a>	<a href="#">COEN490</a>
	<a href="#">COEN231</a>	<a href="#">COEN244</a>		<a href="#">COEN352</a>	<a href="#">SOEN341</a>			<a href="#">COEN317</a>			<a href="#">ENGR301</a>	<a href="#">GEN-ED</a>	<a href="#">ELECTIVE</a>
	<a href="#">ENGR213</a>	<a href="#">ENGR233</a>		<a href="#">COEN313</a>	<a href="#">ENGR290</a>			<a href="#">COEN366</a>				<a href="#">ELECTIVE</a>	<a href="#">ELECTIVE</a>
<a href="#">ENGR201</a>	<a href="#">ENCS282</a>	<a href="#">ENGR202</a>		<a href="#">COEN314</a>		<a href="#">COEN316</a>					<a href="#">ELECTIVE</a>	<a href="#">ELECTIVE</a>	

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	<a href="#">COEN243</a>	<a href="#">ELEC273</a>	<a href="#">ELEC242</a>	<a href="#">ELEC342</a>	<a href="#">ELEC372</a>	<a href="#">COEN366</a>	C-Edge WORKTERM	ENGR392	<a href="#">ENGR392</a>	<a href="#">COEN490</a>	<a href="#">COEN490</a>
		<a href="#">COEN212</a>	<a href="#">COEN244</a>	<a href="#">ENGR391</a>	<a href="#">COEN346</a>	<a href="#">ENGR371</a>	<a href="#">COEN316</a>			<a href="#">ENGR301</a>	<a href="#">GEN-ED</a>	<a href="#">ELECTIVE</a>
		<a href="#">COEN231</a>	<a href="#">ENCS282</a>	<a href="#">COEN352</a>	<a href="#">SOEN341</a>		<a href="#">COEN320</a>			<a href="#">ELECTIVE</a>	<a href="#">ELECTIVE</a>	
		<a href="#">ENGR213</a>	<a href="#">ENGR233</a>	<a href="#">COEN313</a>	<a href="#">ENGR290</a>		<a href="#">COEN390</a>			<a href="#">ELECTIVE</a>	<a href="#">ELECTIVE</a>	
<a href="#">ENGR201&amp;202</a>			<a href="#">COEN311</a>	<a href="#">COEN314</a>		<a href="#">COEN317</a>	<a href="#">ELECTIVE</a>			<a href="#">ELECTIVE</a>		

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						
<b>Computer Engineering Program (C-Edge Fall Entry) 4.5-year duration</b>	Fall Year 1	Winter Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Summer Year 2	<b>C-Edge WORKTERM</b>	<b>COEN320</b>						
	<b>COEN243</b>	<b>COEN244</b>	<b>COEN311</b>	<b>ELEC242</b>	<b>ELEC342</b>	<b>COEN313</b>		<b>COEN366</b>	<b>Summer Year 3</b>	<b>Fall Year 4</b>	<b>Winter Year 4</b>	<b>Summer Year 4</b>	<b>Fall Year 5</b>	
	<b>COEN212</b>	<b>COEN231</b>	<b>ENGR233</b>	<b>COEN314</b>	<b>COEN346</b>	<b>ELEC372</b>	<b>COEN317</b>	<b>ENGR391</b>	<b>COEN490</b>	<b>COEN490</b>	<b>ENGR392</b>	<b>GEN-ED</b>		
	<b>ENGR213</b>	<b>ELEC273</b>		<b>ENGR290</b>	<b>SOEN341</b>		<b>COEN390</b>	<b>ENGR371</b>	<b>COEN316</b>	<b>ELECTIVE</b>	<b>ELECTIVE</b>	<b>ELECTIVE</b>		
	<b>ENGR201&amp;202</b>	<b>ENCS282</b>		<b>COEN352</b>	<b>ENGR301</b>		<b>COEN320</b>	<b>Winter Year 3</b>	<b>ELECTIVE</b>	<b>ELECTIVE</b>		<b>ELECTIVE</b>		
							<b>COEN366</b>							
							<b>COEN317</b>	<b>C-Edge WORKTERM</b>						
						<b>COEN390</b>								
<b>Computer Engineering Program (C-Edge Winter Entry) 4.5-year duration</b>	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	<b>COEN243</b>	<b>COEN244</b>	<b>COEN231</b>	<b>COEN352</b>	<b>ELEC242</b>	<b>ELEC342</b>	<b>C-Edge WORKTERM</b>	<b>ENGR391</b>	<b>COEN320</b>	<b>COEN316</b>	<b>ELECTIVE</b>	<b>COEN490</b>	<b>COEN490</b>
		<b>COEN212</b>	<b>COEN311</b>	<b>ENCS282</b>	<b>COEN313</b>	<b>ENGR301</b>	<b>SOEN341</b>		<b>ENGR371</b>	<b>COEN390</b>	<b>COEN317</b>	<b>ENGR392</b>	<b>ELECTIVE</b>	<b>ELECTIVE</b>
		<b>ENGR213</b>		<b>ELEC273</b>	<b>ENGR290</b>	<b>ELEC372</b>				<b>COEN366</b>	<b>ELECTIVE</b>		<b>ELECTIVE</b>	<b>GEN-ED</b>
		<b>ENGR201&amp;202</b>		<b>ENGR233</b>	<b>COEN314</b>		<b>COEN346</b>			<b>ELECTIVE</b>	<b>ELECTIVE</b>			

Published on March 1, 2025