

The Cooperative Education Program for Chemical Engineering

The Cooperative Education Program (Co-op Program) alternates academic terms with co-op work terms to provide students with real professional experience while completing the course requirements for the chemical engineering undergraduate degree. Co-op has been termed "the ultimate scholarship" because students can earn up to \$3,200/month during work terms. The co-op coordinator, Amy Poshusta, will work with co-op students to determine a schedule of courses and work assignments (two examples shown below) that will allow them to finish all course and co-op requirements in five years. Besides the standard curriculum examples shown below, students may follow the curriculum plans for one of the specialty options. Students may participate in the Co-op Program after successfully completing CHEN 2120, Material and Energy Balances, during their second (sophomore) year. Students must have a minimum 2.75/4.00 GPA. A student on co-op assignment registers for CHEN 3930 (a 6 credit hour course) and pays a co-op fee of \$650 for each work session through the College of Continuing Education. Up to 24 additional credit hours are required to complete the Co-op Program. The co-op student performs his or her duties off campus at a co-op employer's place of business. At least three co-op assignments (preferably with the same employer) must be completed to earn a Certificate of Cooperative Education upon graduation.

Year	1st			2 nd			3rd			4th			5th	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
Example Schedules														
Schedule A			INT		1		2		3			INT		
Schedule B			INT			1		2		3		INT		



Cooperative Education Program Curriculum Schedule A & B

First Year Fall		First Year Spring		First Year Summer
Calc 1	4	Calc 2	4	Summer Internship (Optional)
Chem	5	Biol Engr	3	
Computing	3	Phys 1	4	
H&SS	3	Intro ChE	1	
		H&SS	3	
Total	-15	Total	-15	

Second Year Fall A & B	Second Year Spring A	Second Year Spring B	Second Year Summer - A	Second Year Summer - B
Calc 3 4	1 st Co-op Assignment, CHEN 3930	LinAlgODE 4	H&SS ² 3	1 st Co-op Assignment, CHEN 3930
OChem 1 5		OChem 2 5	H&SS ² 3	
MatEnBal ¹ 3		ChE Fluids 3		
Phys 2 4		PChem Engr 3		
Phys Lab 1				
Total 17		Total 15	Total 6	

Third Year Fall A	Third Year Fall B	Third Year Spring A	Third Year Spring B	Third Year Summer A & B
2 nd Co-op Assignment, CHEN 3930	AppData 3 ChE Heat Tfr 3 WR TG 3 ChE Thermo 3 Elective 3	LinAlgODE 4 OChem 2 5 ChE Fluids 3 PChem Engr 3	2 nd Co-op Assignment, CHEN 3930	A - 3 rd Co-op Assignment, CHEN 3930 <hr/> B - Courses H&SS ² 3 H&SS ² 3 <hr/> Total 6
	<hr/> Total 15	<hr/> Total 15		

Fourth Year Fall A	Fourth Year Fall B	Fourth Year Spring A	Fourth Year Spring B	Fourth Year Summer A & B
AppData 3 ChE Heat Tfr 3 WR TG 3 ChE Thermo 3 Elective 3	3 rd Co-op Assign- ment, CHEN 3930	ChE Lab 1 2 Kinetics 3 ChE Sep/Mass 3 ChemElect 3 Elective 3	ChE Lab 1 2 Kinetics 3 ChE Sep/Mass 3 ChemElect 3 Elective 3	4 th Co-op Assignment, CHEN 3930
<hr/> Total 15		<hr/> Total 14	<hr/> Total 14	

Fifth Year Fall A & B		Fifth Year Spring A & B	
Design 3		Design Proj 2	
ChE Lab 2 2		Control 4	
Elective 3		ChE Mat'ls 3	
Elective 3		Elective 3	
H&SS 3		Elective 4	
Sr Seminar 1			
<hr/> Total 15		<hr/> Total 16	

¹All students must successfully complete this course to participate in the Co-op Program.

²Suggested summer courses. Students can also complete required courses offered in the summer. Some alternatives include Organic Chemistry 2 and Physical Chemistry 1, which usually are offered in complementary summer sessions.