A dual degree in Computer Engineering and Computer Science can be received by taking 28 credit-hours of additional coursework, provided one carefully plans their course schedule. While the plan will vary for each student, one possibility is given on the following pages. In any case, students should discuss their plans with their advisor and carefully monitor their CAPS reports to ensure they are consistently meeting the requirements of both programs.

Example course-plan for a dual degree in CpE and CS:

Semester	Courses to be taken	Credits	Requirement(s) satisfied in Cmp Sc	Requirement(s) satisfied in Cp Eng
1	Either Fr Eng 1100 – Study and Careers in Engineering	1	Fr Eng 1100	Fr Eng 1100
	Cmp Sc 1500-Comput Problem Solving	3	Cmp Sc 1500	Substitution for Cmp Sc 1500
	Either Math 1214 – Calculus I for Engineers	4	Math 1208 (Note: waiver may be required)	Math 1214
	Econ 1100 or 1200	3	Social science Elective	Econ 1100 or 1200
	English 1120-Exposition & Argumentation	3	English 1120	English 1120
	Mc Eng 1720 – Eng. Design with Comp. Appl.	3	Free elective or Sci/Eng elective	Mc Eng 1720
		17		
2	Cp Eng 2210-Intro to Dig Log	3	Cp Eng 2210	Cp Eng 2210
	Cp Eng 2211 – Computer Engineering Lab I	1	Sci/Eng elective or Free elective	Cp Eng 2211
	Cmp Sc 1570-Intro to Programming	3	Cmp Sc 1570	Cmp Sc 1570
	Cmp Sc 1580-Intro to Prog Lab	1	Cmp Sc 1580	Cmp Sc 1580
	Math 1215 – Calculus II for Engineers	4	Math 1221 (Note: waiver may be required)	Math 1215
	Humanity Elective	3	Humanity Elective	Hum/SS Elective
	Hist 1200, 1300, 1310, or Pol Sc 1200	3	History/political science/constitution requirement	Hist 1200, 1300, 1310, or Pol Sc 1200
		18		
3	Cmp Sc 1200-Discrete Math for Cmp Sc	3	Cmp Sc 1200	Cmp Sc 1200
	Math 2222-Calculus with Analytic Geometry III	4	Sci/Eng elective or Free elective	Math 2222
	Cmp Sc 1575-Data Structures/Cmp Sc 1585-Data Structures Lab	4	Cmp Sc 1575/Cmp Sc 1585	Cmp Sc 1575
	Literature elective	3	Literature elective	
	Physics 1135 – Engineering Physics I	4	Physics elective	Physics 1135
		18		
4	Cmp Sc 2500-Algorithms	3	Cmp Sc 2500	Free elective

	El Eng 2100-Circuits I	3	Free elective	El Eng 2100
	El Eng 2101-Circuit Analysis Lab	1		El Eng 2101
	Physics 2135 – Engineering Physics II	4	Physics elective	Physics 2135
	Social Science Elective	3	Social Science Elective	Hum/SS Elective
	Cp Eng 3150-Digital Systems Design	3	Cp Eng 3150	Cp Eng 3150
	Cp Eng 3151 – Computer Engineering Lab II	1		Cp Eng 3151
		18		
5	Math 3304-Elementary Differential Equations	3	Free elective	Math 3304
	Sp&MS 1185-Principles of Speech	3	Sp&MS 1185	Sp&MS 1185
	Social Science Elective	3	Social Science Elective	Elective-Hum or Soc Sc
	El Eng 2120-Circuits II	3		El Eng 2120
	Cmp Sc 2200 – Theory of Computer Science	3	Cmp Sc 2200	
	Cmp Sc 2300-File Struct & Intro Database Sys	3	Cmp Sc 2300	
		18		
6	Math 3108-Linear Algebra I	3	Math 3108	Math elective
	Cmp Sc 3800-Intro Operating Systems	3	Cmp Sc 3800	Cmp Sc 3800
	Chem 1310 – General Chemistry	4	Laboratory science course	Chem 1310
	Chem 1319 – General Chemistry Laboratory	1	Laboratory science course	Chem 1319
	Cp Eng 3110 – Computer Architecture	3	Eng/Science Electives	Cp Eng 3110
	El Eng 2200-Introduction to Electronic Devices	3		El Eng 2200
	El Eng 2201-Electronic Devices Lab	1		El Eng 2201
		18		
7	Cmp Sc 3500-Prog Languages & Translators	3	Cmp Sc 3500	
	El Eng 3410-Digital Signal Processing	3	Eng/Science Electives	El Eng 3410
	Cp Eng 5410-Intro to Communication Networks	3	Cmp Sci 3610	Cp Eng 5410
	3 hours selected from Mc Eng 2340, Mc Eng 2519, Mc Eng 2527, Physics 2311, Physics 2401, Chem 2210, Biology 2213, or Biology 2223	3	Eng/Science Electives	Cp Eng Science Elective
	Cmp Sc 4610-Intro to Security	3	Cmp Sc 4610	Cp Eng Senior Elective E

	English 1160-Writing and Research or English 3560 – Technical Writing	3	English 1160	English 3560
		18		
8				
	Cmp Sc Electives (5xxx level)	3	Cmp Sc Electives	Cp Eng Senior Elective A (4xxx or 5xxx level)
	Stat 3117-Intro to Prob and Stat	3	Stat Elective	Stat 3117
	Phil 3225-Engineering Ethics	3	Ethics Elective	Pro Dev Elective
	Cmp Sci 4090-Software Eng Capstone I	3	Cmp Sci 4090	
	Cp Eng 4096-Senior Project I	1	Sci/Eng elective or Free elective	Cp Eng 4096
	Cmp Sc 3100 – Software Engineering I	3	Cmp Sc 3100	
		16		
9	Cp Eng Senior Elective B (4xxx or 5xxx/2xx or 3xx level course, excludes 4096, 4097, 5410)	3	Free Elective	Cp Eng Senior Elective B
	Cmp Sc Electives (5xxx level)	3	Cmp Sc Electives	Cp Eng Senior Elective C
	Cmp Sc Electives (5xxx level)	3	Cmp Sc Electives	Cp Eng Senior Elective D
	Cmp Sc 4091-Software Systems Development I	3	Cmp Sc 4091	
	Cp Eng 4097-Senior Project II*	3	Free elective	Cp Eng 4097
	Assessment	0		FE requirement
	Experiential Learning Requirement*	0		Experiential Learning Requirement
		15		