

DUAL MAJOR (CS & CPE)

COMBINED Computer Science & Computer Engineering Curriculum
 (Students can choose either BS CS or CPE degree; transcript will note
 that both degree requirements have been met)

Major	Major credits	59	Total credits	131
CS 1110	Intro Computer Science	3	Math	Credits 18
CS 2110	Software Devlpmnt Meth	3		
CS 2102	Discrete Math I	3	APMA 1110	Single Variable Calculus 4
ECE 2630	Intro Circuit Analysis	3	APMA 2120	Multivariable Calculus 4
ECE 2660	Electronics I	4	APMA 2130	Ordinary Diff EQ 4
CS 2150	Program/Data Rep	3	APMA 3100	Probability 3
ECE/CS2330	Digital Logic Design	3	APMA	Choose 3080 or 3120 3
ECE 3750	Signals & Systems I	3		
CS/ECE 3330	Comp. Architecture	3	SEAS requirements & Electives	54
CS 3240	Advanced SW Devlpmnt	3		
CS 4414	Operating Systems	3	STS 1010	Intro Lang, Comm & Tech 3
ECE 4435	Comp Org and Design	4.5	STS 2--	STS Elective (2000 or above) 3
ECE 4440 *	Advanced Digital Design	4.5	STS 4010	West. Tech & Culture 3
CS/ECE 4457	Computer Networks	3	STS 4020	Engineer in Society 3
			CHEM 1610	Intro Chem. Engineers (& Lab) 4
CS 3102	Discrete Math II	3	ENGR 1620	Introduction to Engineering 4
CS 4102	Algorithms	3	SCI	Science Elective 3
CS	CS Elective (4000 or above)	3	PHYS 1425	Physics I & Lab 4
CS	CS Elective (3000 or above)	3	PHYS 2415	Physics II & Lab 4
CS 2190 #	CS Seminar	1	1 TECH	Tech Elective (3000 or above) 3
			3 HSS	Humanities & Social Sci. Elect. 9
* counts as CS elective			3 GEN ED %	Gen ED electives 9
# counts as I UE credit for CpE			1 UE	Unrestricted Elective 2
%See CS requirements on Gen Ed courses				

(JB Dugan - Aug. 2009)