

## DUAL MAJOR (EE & CPE)

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

Major		Major credits	61	Total credits	128
CS 1110	Intro Computer Science	3		Math	Credits 15
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			
ECE 3750	Signals & Systems I	3			
CS/ECE 3330	Comp. Architecture	3		SEAS requirements	52
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 (200 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
ECE 3209	Electromagnetic Fields	3		ENGR 1620	Introduction to Engineering 4
ECE	ECE Elective	3		SCI	Science Elective 3
ECE	ECE Elective	3		PHYS 1425	Physics I & Lab 4
ECE	ECE Elective	3		PHYS 2415	Physics II & Lab 4
ECE	ECE Elective	3		1 TECH	Technical Elective 3
				3 HSS	Humanities & Social Sci. Elect. 9
				3 UE	Unrestricted Electives 9

\* MDE form needed for EE requirement

(JB Dugan - October 2008)