

## DUAL MAJOR (EE & CPE)

### COMBINED Electrical Engineering & Computer Engineering Curriculum

Major		Major credits	65	Total credits		128
CS 111x	Intro Programming	3		<b>Math</b>		<b>Credits 15</b>
CS 2110	Software Devlpmnt Meth	3				
CS 2102 #	Discrete Math	3		APMA 1110	Single Variable Calculus	4
ECE 2630	ECE Fundamentals I	4		APMA 2120	Multivariable Calculus	4
ECE 2660	ECE Fundamentals II	4		APMA 2130	Ordinary Diff EQ	4
CS 2150 %	Program/Data Rep	3		APMA 3100	Probability	3
ECE/CS 2330	Digital Logic Design	3				
ECE 3750	ECE Fundamentals III	4				
CS 3240^	Advanced SW Devlpmnt	3		<b>SEAS requirements &amp; Electives</b>		<b>48</b>
ECE 3430	Intro Embedded Comp Sys	4				
CS/ECE 4457	Computer Networks	3		STS 1500	Intro Lang, Comm & Tech	3
CS 4414^	Operating Systems	3		STS 2--	STS Elective (2000 or above)	3
ECE 4435	Comp Arch and Design	4.5		STS 4500	STS & Engineering Practice	3
ECE 4440	Embed'd Sys Dsgn (MDE)	4.5		STS 4600	Engr Ethics & Prof Respsblty	3
ECE 3209 *	Electromagnetic Fields	4		CHEM 1610	Intro Chem. Engineers (& Lab)	4
				ENGR 1620	Introduction to Engineering	4
				MTH/SCI	Math/Science Elective	3
ECE	ECE Elective (3000 or higher)	3		PHYS 1425	Physics I & Lab	4
ECE	ECE Elective (3000 or higher)	3		TECH	Technical elective (for EE)	3
ECE	ECE Elective (4000 or higher)	3				
ECE	ECE Elective (4000 or higher)	3		3 HSS	Humanities & Social Sci. Elect.	9
				3 UE	Unrestricted Elect.	9

# counts as math elective for EE

% Cannot count as tech elective for EE since it's 2000 level

\* Satisfies the requirement for PHYS 2415 & 2419

^Any CS 3XXX+ class counts as a tech elective

JBDugan Fall 2018

Reflects change from science elective to science/math elective in 2nd semester