

DUAL MAJOR (EE & CPE)

COMBINED Electrical Engineering & Computer Engineering Curriculum

Major	Major credits	65	Total credits	128
CS 111x	Intro Programming	3	Math	Credits 15
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	SEAS requirements & Electives	48
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 1410/11	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 Junje 2020

Reflects change from science elective to science/math elective in 2nd semester and Chem 1610/11 to 1410/11