

# Electrical Engineering and Electronics Degree Chart



<b>General Requirements</b> 21	<b>Free Liberal Arts Requirements</b> 9	<b>Mathematics Requirements</b> 21	<b>Sciences Requirements</b> 11	<b>Major Requirements</b> 71	<b>Technical Electives</b> 16
-----------------------------------	--	---------------------------------------	------------------------------------	---------------------------------	----------------------------------

	FALL					SPRING					SUMMER		
<b>YEAR1</b>	<b>ENG 201</b> English Communication Skills I	<b>FOE 201</b> Intro to Computing	<b>MAT 213</b> Calculus III	<b>PHY 220</b> Electricity & Magnetism + <b>PHY 220L</b>	<b>FOE 200</b> Intro to Engineering	<b>ENG 202</b> English Communication Skills II	<b>GEE 201</b> General Elective I	<b>MAT 340</b> Differential Equations	<b>CHE 205</b> General Chemistry + <b>CHE 205L</b>	<b>EEE 210</b> Circuits I + <b>EEE 210L</b>	<b>MAT 225</b> Probability & Statistics for Science	<b>ARB 201</b> Arabic Communication Skills I	<b>CST 200</b> Cultural Studies I
<b>YEAR2</b>	<b>MAT 250</b> Discrete Mathematics	Science Elective	<b>CSC 210</b> C++ Programming + <b>CSC 210L</b>	<b>EEE 220</b> Circuits II	<b>EEE 225</b> Digital Logic Design + <b>EEE 225L</b>	<b>ENG 204</b> Public Speaking	<b>MAT 320</b> Linear Algebra	<b>COE 325</b> Micro-processors	<b>EEE 240</b> Linear Systems & Signals	<b>EEE 310</b> Electronics I + <b>EEE 310L</b>	<b>MAT 345</b> Calculus IV	<b>ENG 215</b> Technical English	
<b>YEAR3</b>	<b>COE 340</b> Digital Communication Systems	<b>CSC 320</b> Data Structures	<b>EEE 330</b> Electro-magnetic Fields	<b>EEE 350</b> Electronics II + <b>EEE 350L</b>	<b>EEE 411</b> Energy Conversion + <b>EEE 411L</b>	<b>GEE 202</b> General Elective II	<b>MAT 350</b> Numerical Analysis	<b>COE 380</b> Computer Organization	<b>EEE 412</b> Power Systems	<b>EEE 460</b> Linear Control Systems + <b>EEE 460L</b>	<b>EEE 497</b> Practical Training		
<b>YEAR4</b>	<b>GEE 203</b> General Elective III	<b>COE 480</b> Computer Arch	<b>EEE 430</b> Antenna Design	<b>EEE 498</b> Capstone Project Proposal	Technical Elective I	Technical Elective II	<b>FOE 430</b> Engineering Economics	<b>EEE 499</b> Capstone Project	Technical Elective III	Technical Elective IV	Technical Elective V + Lab		