

Recommended Course Plan: ENPMED Computer Engineering

Year 1	Fall	
<u>ENG202</u>	Advanced Academic English	3
<u>PHY201</u>	Electricity & Magnetism	3
<u>MTH201</u>	Calculus III	3
<u>MTH207</u>	Discrete Structures I	3
<u>GNE212</u>	Engineering Mechanics	3
<u>COE201</u>	Computer Proficiency	1
		16

Spring		
<u>BIO201</u>	General Biology I	3
<u>BIO201B</u>	General Biology I Lab	1
<u>MTH301</u>	Linear Algebra	3
<u>MTH304</u>	Differential Equations	3
<u>MTH206</u>	Calculus IV	3
<u>COE211</u>	Computer Programming	4
		17

Summer		
—	Liberal Arts & Sciences Elective	3
---	Liberal Arts & Sciences Elective	3
<u>CHM201</u>	Chemical Principles	3
		9

Year 2	Fall	
<u>COM203</u>	Art of Public Communication	3
<u>COE321</u>	Logic Design	3
<u>GNE331</u>	Probability and Statistics	3
<u>COE312</u>	Data Structures	3
<u>ELE300</u>	Electric Circuits	3
<u>ELE303</u>	Electrical Circuits Lab	1
<u>GNE301</u>	Professional Communication	2
		18

Spring		
<u>ELE401</u>	Electronics I	3
<u>ELE402</u>	Electronics I Lab	1
<u>COE313</u>	Data Structures lab	1
<u>ELE430</u>	Signals and Systems	3
<u>COE323</u>	Microprocessors	3
<u>COE415</u>	Computer Programming II	3
<u>COE322</u>	Logic Design Lab	1
—	Liberal Arts & Sciences Elective	3
		18

Summer		
<u>GNE303</u>	Engineering Ethics	2
	Liberal Arts & Sciences Elective	3
<u>INE320</u>	Engineering Economy	3
		8

Year 3	Fall	
<u>COE423</u>	Computer Architecture	3
<u>ELE442</u>	Control Systems	3
<u>ELE443</u>	Control Systems Lab	1
<u>COE324</u>	Microprocessors Lab	1
—	ECE Elective 1	3
<u>ELE537</u>	Communication Systems	3
<u>COE415B</u>	Computer Programming II Lab	1
<u>CHM311</u>	Organic Chemistry I	3
		18

Spring		
<u>COE424</u>	Digital Systems	3
—	COE Elective 1	3
—	COE Elective 2	3
—	ECE Elective 1	3
<u>COE546</u>	Machine Learning	3
<u>BIO321</u>	Genetics	3
		18

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Year 4			Spring			Summer (recommended)		
Fall								
COE425	Digital Systems Lab	1	COE416	Software Engineering	3	PSY 201	Introduction to Psychology	3
COE418	Database Systems	3	COE431	Computer Networks	3	SOC 201	Sociology	3
COE493	Professionalism in Engineering	3	COE596	Capstone Design Project II	3			
COE593	COE Application	3	—	COE Elective 3	3			
COE521	Embedded Systems	3	—	COE Elective 4	3			
COE595	Capstone Design Project I	3	ELE540	Communication Systems Lab	1			
BCH300	Essentials of Biochemistry	3	BIO260	Human Anatomy and Physiology	3			
		19			19			6

Total

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