

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING  
SUGGESTED FIVE YEAR COURSE SEQUENCE 2004/2005**

**FIRST YEAR**

<i><b>First Semester</b></i>				<i><b>Second Semester</b></i>			
Comm	101	Public Speaking	2	CS	120	CS 1	4
ECE	101	Intro to ECE	2	Engl	102	Essay Writing	3
Engl	101	Essay Writing	*	Core	153-168	Core Discovery	3
Core	103-118	Core Discovery	4	Math	170	Calculus I	4
Math	143	Pre-Calc	*				
			8				14

**SECOND YEAR**

<i><b>First Semester</b></i>				<i><b>Second Semester</b></i>			
CS	150	Computer Org	3	CS	121	CS II	4
Math	175	Calculus II	4	ECE	210	Circuits I	3
Math	176	Discrete Math	3	ECE	211	Circuits I Lab	1
Phys	211	Engr Physics I	4	Math	310	Differential Equations	3
				Phys	212	Engr Physics II	4
			14				15

**THIRD YEAR**

<i><b>First Semester</b></i>				<i><b>Second Semester</b></i>			
ECE	212	Circuits II	3	HS		(Cluster Elective)	3
ECE	213	Circuits II Lab	1	ECE	310	Fundamentals of Elec.	3
ECE	240	Digital Logic	3	ECE	311	Fundamentals of Elec. Lab	1
ECE	241	Digital Logic Lab	1	CS	210	Prog Lang and Compilers	3
MA	330	Linear Algebra	3	Stat	301	Prob & Stat	3
SE		Science Elective	4				
			15				13

**FOURTH YEAR**

<i><b>First Semester</b></i>				<i><b>Second Semester</b></i>			
Engl	317	Tech Writing	3	ECE	350	Signals & Systems	3
CS	240	Operating Sys	3	ECE	351	Signals & Systems Lab	1
ECE	340	Microcontrollers	3	ECE	440	Dig Sys Eng	3
ECE	341	Microcontrollers Lab	1	CS	270	System SW	3
HS		(AmSt 301 or Phil 103)	3	HS		(Econ Elective)	3
			13				13

