

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING  
SUGGESTED FOUR-YEAR COURSE SEQUENCE 2007/2008**

FIRST YEAR

<i>First Semester</i>				<i>Second Semester</i>			
ENGL	102 College Writing/Rhetoric	3		ECE	101 Foundations of ECE	2	
MATH	170 Analytic Geometry & Calculus I	4		MATH	175 Analytic Geom & Calculus II	4	
CS	120 Computer Science I	4		MATH	176 Discrete Mathematics	3	
CORE	103-118 Core Discovery	4		PHYS	211 Engineering Physics & Lab	4	
				CORE	153-168 Core Discovery	3	
		15					16

SECOND YEAR

<i>First Semester</i>				<i>Second Semester</i>			
CS	121 Computer Science II	4		CS	150 Comp Org & Architecture	3	
ECE	210 Circuits I	3		ECE	212 Circuits II	3	
ECE	211 Circuits I Lab	1		ECE	213 Circuits II Lab	1	
MATH	310 Differential Equations	3		ECE	240 Digital Logic	3	
PHYS	212 Engineering Physics II & Lab	4		ECE	241 Digital Logic Lab	1	
COMM	101 Fund of Public Speaking	2		MATH	330 Linear Algebra	3	
				HS	(Economics Elective)	3	
		17					17

THIRD YEAR

<i>First Semester</i>				<i>Second Semester</i>			
CS	270 System Software	3		CS	240 Computer Operating Systems	3	
CS	210 Programming Languages	3		ECE	350 Signals & Systems	3	
ECE	310 Fund of Electronics	3		ECE	351 Signals & Sys Lab	1	
ECE	311 Fund of Electronics Lab	1		ECE	440 Digital Systems Engineering	3	
ECE	340 Microcontrollers	3		ENGL	317 Technical Writing	3	
ECE	341 Microcontrollers Lab	1		SE	(Science Elective)	4	
STAT	301 Probability & Statistics	3					17
		17					

FOURTH YEAR

<i>First Semester</i>				<i>Second Semester</i>			
ECE	482 Comp Engr Senior Design I	3		ECE	483 Comp Engr Senior Design II	3	
HS	(AMST 301 or PHIL 103)	3		HS	(Cluster Elective)	3	
HS	(International Elective)	3		TE	(Technical Elective)	3	
TE	(Technical Elective)	3		TE	(Technical Elective)	3	
TE	(Technical Elective)	3		TE	(Technical Elective)	3	
		15					15

TOTAL CREDITS = 129

*Specific grades required for continuation; see catalog.*

HS - Humanities/Social Science Electives: must include AMST 301 or PHIL 103 and ECON 201, 202, or 272.

TE --Technical Elective: fifteen credits of upper division ECE or CS courses

SE -- Science Elective: one of the following CHEM 111, ENT 211, GEOL 111, MMBB 154 and 155, or PHYS 213.

CORE -- Students are encouraged to complete a two-semester Core Discovery sequence. (E.g. CORE 113 and 163).

Students majoring in Computer Engineering may accumulate no more than 14 credits of D's and F's in mathematics, science, or engineering courses that are used to satisfy graduation requirements, including repeats and transfer courses.

**See catalog for complete degree requirements and additional information.**

Cooperative educational experiences are available through the Cooperative Education Office to give the student industrial experience in their chosen field. Academic credit may be earned but may not be used as part of the program of study.