

5-Year UNDERGRADUATE CURRICULUM PLAN
Effective 2003/2004 Catalog Year
COMPUTER ENGINEERING (BS02)

COURSE	UNITS	COURSE	UNITS
1st YEAR			
UNIV 100 University & Your Future	1	CECS 201 Digital Logic Design I	3
CECS 174 Prog & Problem Solving I	3	CECS 274 Prog & Problem Solving II	3
MATH 122 Calculus I (GE – Cat. B2)	4	MATH 222 Intermediate Calculus	4
GE – Cat. A2 (Oral Communications)	3	GE – Cat. A3 (Critical Thinking)	3
ENGL 100 Composition (GE – Cat. A1)	<u>3</u>		
	14		<u>13</u>
2nd YEAR			
CECS 228 Discrete Structures I	3	CECS 261 Computing with Java	3
CECS 277 Prog & Problem Solving III	3	CECS 340 Discrete Event Sys Modeling	3
PHYS 151 Mechanics & Heat (GE – Cat. B1b)	4	PHYS 152 Electricity & Magnetism	4
EE 380 Engr Probability & Statistics	<u>3</u>	(GE – Cat. B1b)	
or MATH 380 Probability & Statistics		or EE 210+210L - Fund of Electric Circuits (No GE)	
	13	General Education	<u>3</u>
			13
3rd YEAR			
CECS 301 Digital Logic Design II	3	CECS 346 Microprocessors & Controllers I	3
CECS 311 Data Acquisition Processing	3	CECS 440 Computer Architecture	3
MATH 323 Intro to Numerical Analysis	4	MATH 370A Applied Math I	3
General Education	<u>3</u>	General Education	<u>3</u>
	13		12
4th YEAR			
CECS 326 Operating Systems	4	CECS 360 Integrated Circuit Design Software	3
CECS 347 Microprocessors & Controllers II	3	EE 386 Digital Signal Processing	3
Approved Elective	3	General Education	6
General Education	<u>3</u>		
	13		12
5th YEAR			
CECS 447 Microprocessors & Controllers III	3	CECS 443 Software Engineering	3
CECS 460A System on Chip Design I	3	CECS 460B System on Chip Design II	3
Approved Elective	3	Approved Elective	3
General Education	<u>3</u>	General Education	<u>6</u>
	12		15

Clarification: Computer Engineering majors must take a minimum of 9 units in GE Category B with B1a waived. They can fulfill that GE requirement by taking MATH 122, PHYS 151, and PHYS 152. The minimum unit count to complete this degree is 129 **if** students maximize the double counting by taking PHYS 152. Students can earn both Cat. B and capstone credit by taking ENGR 340I or ENGR 370I. **This five-year curriculum plan is unofficial. Requirements may differ depending upon the year you enter the major. Contact an undergraduate advisor about your specific requirements.**