

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

COURSE	UNITS	COURSE	UNITS
<b>1<sup>st</sup> YEAR</b>			
UNIV 100 University & Your Future	1	CECS 201 Digital Logic Design I	3
CECS 174 Prog & Problem Solving I	3	MATH 122 Calculus I ( <b>GE – Cat. B2</b> )	4
<b>GE – Cat. A2</b> (Oral Communications)	3	<b>GE – Cat. A3</b> (Critical Thinking)	3
ENGL 100 Composition ( <b>GE – Cat. A1</b> )	<u>3</u>		
	10		<u>10</u>
<b>2<sup>nd</sup> YEAR</b>			
CECS 228 Discrete Structures I	3	CECS 277 Prog & Problem Solving III	3
CECS 274 Prog & Problem Solving II	3	PHYS 151 Mechanics & Heat ( <b>GE – Cat. B1b</b> )	4
MATH 222 Intermediate Calculus	4	EE 380 Engr Probability & Statistics	<u>3</u>
	<u>10</u>	or MATH 380 Probability & Statistics	<u>10</u>
<b>3<sup>rd</sup> YEAR</b>			
CECS 261 Computing with Java	3	CECS 301 Digital Logic Design II	3
CECS 340 Discrete Event Sys Modeling	3	CECS 311 Data Acquisition Processing	3
PHYS 152 Electricity & Magnetism	4	MATH 323 Intro to Numerical Analysis	4
<b>(GE – Cat. B1b)</b>			
or EE 210+210L - Fund of Electric Circuits ( <b>No GE</b> )	10		10
<b>4<sup>th</sup> YEAR</b>			
CECS 346 Microprocessors & Controllers I	3	CECS 326 Operating Systems	4
MATH 370A Applied Math I	3	CECS 347 Microprocessors & Controllers II	3
General Education	<u>6</u>	CECS 440 Computer Architecture	<u>3</u>
	12		10
<b>5<sup>th</sup> YEAR</b>			
CECS 447 Microprocessors & Controllers III	3	CECS 360 Integrated Circuit Design Software	3
EE 386 Digital Signal Processing	3	CECS 443 Software Engineering	3
Approved Elective	3	General Education	6
General Education	<u>3</u>		
	12		12
<b>6<sup>th</sup> YEAR</b>			
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>6</u>	General Education	<u>6</u>
	12		12

**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 six-year curriculum plan is *unofficial*. Requirements may differ depending upon the year you enter the major. Contact an undergraduate advisor about your specific requirements.**