

**5-Year UNDERGRADUATE CURRICULUM PLAN**  
**Effective 2003/2004 Catalog Year**  
**COMPUTER SCIENCE (BS01)**

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	CECS 274 Prog & Problem Solving II	3
MATH 122 Calculus I ( <b>GE – Cat. B2</b> )	4	MATH 222 Intermediate Calculus	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> )	3		
	<u>3</u>		
	14		<u>13</u>
<b>2<sup>nd</sup> YEAR</b>			
CECS 228 Discrete Structures I	3	CECS 261 Computing with Java	3
CECS 277 Prog & Problem Solving III	3	or 281 GUI Programming	
PHYS 151 Mechanics & Heat ( <b>GE – Cat. B1b</b> )	4	CECS 340 Discrete Event Sys Modeling	3
MATH 380 Probability & Statistics	3	PHYS 152 Electricity & Magnetism	4
	<u>3</u>	<b>(GE – Cat. B1b)</b>	
	13	or EE 210+210L - Fund of Electric Circuits ( <b>No GE</b> )	
		General Education	<u>3</u>
			13
<b>3<sup>rd</sup> YEAR</b>			
CECS 323 Database Fundamentals	3	CECS 325 Comp Org & Assembly Language	3
ENGL 317 Technical Communication	3	ENGR 350 Computers, Ethics, & Society	3
or ENGR 310 Business Communications		General Education	6
General Education	<u>6</u>		<u>12</u>
	12		
<b>4<sup>th</sup> YEAR</b>			
CECS 326 Operating Systems	4	CECS 328 Discrete Structures II	3
MATH 323 Intro to Numerical Analysis	4	MATH 247 Linear Algebra	3
General Education	3	Science Course ( <b>GE – Cat. B1a</b> )	4
	<u>3</u>	General Education	<u>3</u>
	11		12
<b>5<sup>th</sup> YEAR</b>			
CECS 440 Computer Architecture	3	CECS 443 Software Engineering	3
CECS 424 Org of Programming Languages	4	Approved Elective	3
Approved Elective	3	Approved Elective	3
General Education	<u>3</u>	General Education	<u>6</u>
	13		15

**Clarification:** Computer Science majors must take 12 units in GE Category B. They can fulfill that GE requirement by taking MATH 122, PHYS 151 and a 4-unit course from B1a. The minimum unit count to complete this degree is 128 if students maximize the double counting by taking a B1a course to fulfill both General Education and CSAB science requirements.

**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.**