

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

COURSE	UNITS	COURSE	UNITS
1st YEAR			
UNIV 100 University & Your Future	1	CECS 228 Discrete Structures I	3
CECS 174 Prog & Problem Solving I	3	CECS 274 Prog & Problem Solving II	3
CECS 201 Digital Logic Design I	3	MATH 222 Intermediate Calculus	4
MATH 122 Calculus I (GE – Cat. B2)	4	PHYS 151 Mechanics & Heat (GE – Cat. B1b)	4
GE – Cat. A2 (Oral Communications)	3	GE – Cat. A3 (Critical Thinking)	3
ENGL 100 Composition (GE – Cat. A1)	<u>3</u>		<u>3</u>
	17		17
2nd YEAR			
CECS 261 Computing with Java	3	CECS 323 Database Fundamentals	3
or 281 GUI Programming		CECS 325 Comp Org & Assembly Language	3
CECS 277 Prog & Problem Solving III	3	CECS 340 Discrete Event Sys Modeling	3
MATH 380 Probability & Statistics	3	MATH 323 Intro to Numerical Analysis	4
PHYS 152 Electricity & Magnetism	4	General Education	<u>3</u>
			16
or EE 210+210L - Fund of Electric Circuits (No GE)			
General Education	<u>3</u>		
	16		
3rd YEAR			
CECS 326 Operating Systems	4	CECS 328 Discrete Structures II	3
ENGL 317 Technical Communication	3	MATH 247 Linear Algebra	3
or ENGR 310 Business Communications		ENGR 350 Computers, Ethics, & Society	3
Science Course (GE – Cat. B1a)	4	General Education	<u>6</u>
General Education	<u>6</u>		15
	17		
4th YEAR			
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>6</u>	General Education	<u>6</u>
	16		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 four-year curriculum plan is *unofficial*. Requirements may differ depending upon the year you enter the major. Contact an undergraduate advisor about your specific requirements.