

**6 Year UNDERGRADUATE CURRICULUM PLAN**  
**Effective 2004/2005 Catalog Year**  
**Computer Science (4011)**

COURSE	UNITS	COURSE	UNITS
<b>1<sup>st</sup> Year</b>			
UNIV 100 University & Your Future	1	CECS 201 Digital Logic Design	3
CECS 174 Prog & Problem Solving	3	MATH 122 Calculus I (GE - B2)	4
General Education (cat A1)	3	General Education (cat A2)	3
General Education	3		
	10		10
<b>2<sup>nd</sup> Year</b>			
CECS 274 Prog & Problem Solving II	3	CECS 228 Discrete Structs I	3
MATH 222 Intermediate Calculus	4	CECS 277 Prog & Problem Solving III	3
General Education (cat A3)	3	MATH 380 – Probability & Statistics or EE 380 Engr, Probability & Statistics	3
	10		9
<b>3<sup>rd</sup> Year</b>			
CECS 261 Computing with Java or CECS 381 GUI Programming	3	CECS 323 Database Fundamentals	3
CECS 340 Discrete Event Sys Modeling	3	ENGL 317 Technical Communication or ENGR 310 Business Communications	3
PHYS 151 Mechanics & Heat (GE - B1b)	4	PHYS 152 Electricity & Magnetism (GE - B3) or EE 210+210L – Fund of Electric Circuits**	4
		MATH 247 Linear Algebra	3
	10		13
<b>4<sup>th</sup> Year</b>			
CECS 325 Comp Org & Assembly Language	3	CECS 326 Operating Systems	3
ENGR 350 Computers, Ethics & Society	3	CECS 328 Discrete Structures II	3
General Education	6	General Education	3
	12		9
<b>5<sup>th</sup> Year</b>			
CECS 440 Computer Architecture	3	One course from CECS 472, 474, or 476	3
Science Course (GE – Cat. B1a)	4	Approved Electives	3
General Education	6	General Education	6
	13		12
<b>6<sup>th</sup> Year</b>			
CECS 424 Org of Programming Languages	3	CECS 443 Software Engineering	3
Approved Electives	3	Approved Electives	3
General Education	3	General Education	6
	9		12

**Clarification:** Computer Science students must take 12 units in GE Category B. They can fulfill that GE requirement by taking MATH122, PHYS151 and a 4 unit course from B1a. The minimum unit count is 129 (including Univ 100) if students maximize the double counting by taking a B1a to fulfill both CSAB and GE 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.**