

5 Year UNDERGRADUATE CURRICULUM PLAN
Effective 2004/2005 Catalog Year
COMPUTER ENGINEERING (4013)

COURSE	UNITS	COURSE	UNITS
1st Year			
UNIV 100 University & Your Future	1	CECS 201 Digital Logic Design	3
CECS 174 Prog & Problem Solving I	3	CECS 274 Prog & Problem Solving II	3
MATH 122 Calculus I (GE - B2)	4	MATH 222 Intermediate Calculus	4
General Education (cat A1)	3	General Education (cat A2)	3
General Education	3		
	14		13
2nd Year			
CECS 228 Discrete Structs 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 - B1b)	4	PHYS 152 Electricity & Magnetism (GE - B3)	4
EE 380 Engr, Probability & Statistics	3	or EE 210+210L – Fund of Electric Circuits**	
or MATH 380 – Probability & Statistics		General Education (cat A3)	3
	13		13
3rd Year			
CECS 301 Digital Logic Design II	3	CECS 346 Embedded Processors I	3
CECS 311 Data Acquisition/Proc/Display	3	CECS 440 Computer Architecture	3
MATH 323 Intro to Numerical Analysis	4	MATH 370A Applied Math I	3
General Education	3	General Education	3
	13		12
4th Year			
CECS 326 Operating Systems	3	CECS 360 IC Design Software	3
CECS 347 Embedded Processors II	3	EE 386 Digital Signal Processing I	3
Approved Elective	3	General Education	6
General Education	3		
	12		12
5th Year			
CECS 447 Embedded Processors 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	3	General Education	6
	12		15

Clarification: Computer Engineering majors must take a minimum of 9 units from GE Category B with B1a waived. Students can fulfill that GE requirement by taking MATH 122, PHYS 151 and PHYS 152. The minimum unit count is 129 (including Univ 100) **if** students maximize the double counting by taking PHYS 152 **or** take ENGR 340I or ENGR 370I and earn both Category B and capstone credit.

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.