

ADVISING ROADMAP TO COMPLETE THE Computer Engineering DEGREE (CECSBS02) IN FIVE YEARS
 129 UNITS REQUIRED Computer Engineering and Computer Science Department 2004/2005

Semester 1

Course	Units
University 100	1
Composition or Oral Communication	3
General Education	4
CECS 174 Prog & Problem Solv I	3
Math 122 Calculus I (GE-B.2)	3
TOTAL UNITS	14

Semester 2

Course	Units
Oral Communication or Composition	3
Math 222 Intermediate Calculus	4
CECS 201 Digital Logic Design	3
CECS 274 Prog & Prob Solv II	3
TOTAL UNITS	13

Semester 3

Course	Units
Phys 151 Mech & Heat (GE-B1b)	4
CECS 228 Discrete Structures	3
CECS 277 Prog & Prob Solv III	3
Critical Thinking	3
TOTAL UNITS	13

Semester 4

Course	Units
Phys 152 E&M (GE-B3) or EE 210+L Fund of Elec Ckts	4
Math 380 or EE 380 Prob & Statistics	3
CECS 261 Java	3
CECS 340 Dis Event Sys Modeling	3
TOTAL UNITS	13

Semester 5

Course	Units
General Education	3
Math 323 Intro to Numerical Methods	4
CECS 301 Digital Logic II	3
CECS 311 Data Acq/Proc/Display	3
TOTAL UNITS	13

Semester 6

Course	Units
GE Capstone course	3
Math 370A Applied Math I	3
CECS 346 Embedded Processors I	3
CECS 440 Computer Architecture	3
TOTAL UNITS	12

Semester 7

Course	Units
General Education	3
CECS 326 Operating Systems	3
CECS 347 Embedded Processors II	3
Major Elective	3
TOTAL UNITS	12

Semester 8

Course	Units
GE Capstone course	3
General Education	3
EE 386 Digital Signal Processing	3
CECS 360 IC Design Software	3
TOTAL UNITS	12

Semester 9

Course	Units
General Education	3
CECS 447 Embedded Processors III	3
CECS 460A System on Chip Design I	3
Major Elective	3
TOTAL UNITS	12

Semester 10

Course	Units
GE Capstone course	3
General Education	3
CECS 443 Software Engineering	3
CECS 460B System on Chip Design II	3
Major Elective	3
TOTAL UNITS	15

Engineering students may waive six units of General Education.

This program can be completed in 129 units only if the student completes PHYS 152 to meet the GE requirement and waives Categories B.1.a and D.2.