

ADVISING ROADMAP TO COMPLETE THE Computer Science DEGREE (CECSBS01) IN SIX YEARS

129 UNITS REQUIRED

Computer Engineering & Computer Science 2004/2005

Semester 1

Course	Units
University 100	1
General Education	3
Composition or Oral Communication	3
CECS 174 Prog & Problem Sol I (KPE Activity class)	3 (1)
TOTAL UNITS	10-(11)

Semester 2

Course	Units
Oral Communication or Composition	3
Math 122 Calculus I (GE - B2)	4
CECS 201 Digital Logic Design	3
TOTAL UNITS	10

Semester 3

Course	Units
Critical Thinking	3
CECS 274 Prog & Problem Sol II	3
Math 222 Intermediate Calculus	4
TOTAL UNITS	10

Semester 4

Course	Units
CECS 228 Discrete Structures I	3
CECS 277 Prog & Problem Sol III	3
Math 380 OR EE 380 Prob & Stat	3
TOTAL UNITS	9

Semester 5

Course	Units
Phy 151 Mech & Heat (GE - B1b)	4
CECS 261 Java OR CECS 381 VB.NET	3
CECS 340 Dis Event Sys Model	3
TOTAL UNITS	10

Semester 6

Course	Units
Phy 152 E&M (GE-B3) OR EE210+210L	4
Math 247 Linear Algebra	3
CECS 323 Database Fundamentals	3
Engl317 OR Engr310 Communications	3
TOTAL UNITS	13

*EE 210/210L does not count for GE

Semester 7

Course	Units
GE Capstone course	3
General Education	3
CECS 325 Comp Org and Asmb Lang	3
Engr 350 Computers, Ethics	3
TOTAL UNITS	12

Semester 8

Course	Units
GE Capstone course	3
CECS 326 Operating Systems	3
CECS 328 Discrete Structures II	3
TOTAL UNITS	9

Semester 9

Course	Units
GE Capstone course	3
General Education	3
Major Elective (Sci Course - GE B1a)	4
CECS 440 Computer Architecture	3
TOTAL UNITS	13

Semester 10

Course	Units
General Education	6
Major Elective	3
One of: CECS 472, 474, 476	3
TOTAL UNITS	12

Semester 11

Course	Units
General Education	3
Major Elective	3
CECS 424 Prog Languages	3
TOTAL UNITS	9

Semester 12

Course	Units
General Education	6
Major Elective	3
CECS 443 Software Engineering	3
TOTAL UNITS	12