

Student Name: _____ uID: _____

DARS Catalog Year: _____

COMPUTER SCIENCE

2009-2010

B.S. Degree Requirements

PRE-MAJOR REQUIREMENTS:

Required in order to apply for full major status: C- or better in each course, and a 2.8 average GPA among the following courses:

1. CS 1010, Intro to Unix _____ (.5)
2. CS 1060, Explorations in CS _____ (3,F,S)
3. CS 1410, Comp. Science I _____ (4,F,S)
4. CS 2420, Comp. Science II _____ (4,S,U)
5. Math 1210, Calculus I _____ (4)
6. Math 1220, Calculus II _____ (4)

GENERAL EDU. REQUIREMENTS:

1. Wrtg 2010 _____
2. Wrtg 3012 or 3014 or 3015 _____

3. American Institutions (AI) _____
(choose one of: Econ 1740, Hist 1700, PoS 1100, Honors: Hon 2212)

A total of 6 courses must be taken in the following 3 areas: Fine Arts, Humanities, Behavioral/Social Science, take two courses from each area. TWO of those six classes must be upper division (3000 level or above), one must satisfy the University Diversity requirement and one must satisfy the University International requirement.

4. Fine Arts (FF): _____
5. Fine Arts (FF): _____

6. Humanities (HF): _____
7. Humanities (HF): _____

8. Social/Behavioral Science (BF): _____
9. Social/Behavioral Science (BF): _____

- Upper Division 1 _____
- Upper Division 2 _____
- Diversity (DV) _____
- International (IR) _____

MATH / SCIENCE ELECTIVES:

Physics 2210 is required, plus two of the three required electives: Math 2210, Math 2270, or ECE 3530/ CS 3130

Two additional electives are required; each must be at least 3 credits. Choose any non-CS class that has Math 1220 (Calculus II) as a prerequisite or co-requisite. Math 2250 will not be allowed if Math 2270 is taken. We will also accept Physics 2220, ECE 1270, Biol 1210, or Chem 1210.

1. Physics 2210, Physics for Sci. & Engineers I _____ (4)
2. Required Elective 1 _____
3. Required Elective 2 _____
4. _____
5. _____

The following requirements are restricted to FULL Majors:

MAJOR REQUIREMENTS:

1. CS 2100, Discrete Structures _____ (3,F)
2. CS 3500, Software Practice I _____ (4,F)
3. CS 3810, Computer Organization _____ (4,F)
4. CS 3505, Software Practice II _____ (3,S)
5. CS 4150, Algorithms _____ (4,S)
6. CS 4400, Computer Systems _____ (4,F)

CS ELECTIVES:

Choose seven (7) CS courses, 3000-level or above, each must be at least 3 credits. Seminars may not be counted. Only one Independent Study class and one Internship class (at least 3 credits each) can count as an elective. Any combination of Industry Forum, Research Forum, TA Training, or Programming Challenges can be combined to fulfill one of these required courses.

1. CS _____ ()
2. CS _____ ()
3. CS _____ ()
4. CS _____ ()
5. CS _____ ()
6. CS _____ ()
7. CS _____ ()

THEORY RESTRICTED ELECTIVE

Choose ONE: (If both classes are taken, one will count as a CS elective above)

- CS 3100, Models of Computation _____ (3,F)
or
CS 3200, Scientific Computing _____ (3,S)

CAPSTONE REQUIREMENT:

Choose ONE: (Permission required from Undergraduate Director for thesis option)

- CS 4500, Software Engineering Lab _____ (3,S)
or
CS 4970, Bachelor's Thesis _____ (3)