LOWER DIVISION GENERAL EDUCATION

A. Skills

Written Communication * credit hours
ENGL 110C 3____
ENGL 231C 3____

Oral Communication
COMM 101R 3____

Mathematics (met in major) ** 3____
Might need to take prior:
MATH 102M/ 103M or 162M or 163M

Language and Culture 0-6____

Information Literacy and Research 3____
CS 121G

B. Ways of Knowing

Human Creativity (choose one) 3____
ARTH 121A, ARTS 122A, MUSC 264A, DANC 185A, THEA 241A, COMM/THEA 270A

Interpreting the Past (choose one) 3____
HIST 100H, 101H, 102H, 103H, 104H or 105H

Literature (choose one) 3____
ENGL 112L, 114L or WCS 100L

Philosophy & Ethics (choose one) 3____
PHIL 110P, 120P, 230E, 250E, 303E, 344E, 345E, 355E, 442E

The Nature of Science * (must be 2 semesters in sequence of the following combinations)

Human Behavior (choose one) 3____
AAST 100S; ANTR 110S; COMM 200S; CRJS 215S; ECON 200S, 201S, 202S; ENTR 205S, FIN 210S, GEOG 100S, GEOG 101S; POLS 100S, 101S, 102S; PSYC 201S, 203S; SOC 201S; WMST 201S

Impact of Technology (satisfied in major with CS 300T)

Must Complete 120 credits required for the degree Additional hours may be needed to meet 120 cr. minimum Please refer to the Catalog for all requirements, assessments and requisites for classes, major and graduation. The responsibility for meeting the requirements for a degree rests with the student.

COMPUTER SCIENCE REQUIREMENTS ***

CS 150 Problem Solving and Programming I 4____
CS 170 Introduction to Computer Architecture I 3____
CS 250 Problem Solving and Programming II 4____
CS 252 Introduction to Unix for Programmers 1____
CS 270 Introduction to Computer Architecture II 3____
CS 300T Computers in Society 3____
CS 330 Object-Oriented Programming & Design 3____
CS 350 Introduction to Software Engineering 3____
CS 355 Principles of Programming Languages 3____
CS 361 Data Structures and Algorithms 3____
CS 381 Introduction to Discrete Structures 3____
CS 390 Introduction to Theoretical Computer Science 3____
CS 410 Professional Workforce Development I 3____
CS 411W Professional Workforce Development II 3____
CS 417 Computational Methods and Software 3____
CS 471 Operating Systems 3____

The major emphasis categories for these courses follows:

Programming: CS 150, 250, 361, 350, 330, 355
Computer Architecture: CS 170, 270, 471
Applied Technology: CS 300T, 410, 411W
Computational Mathematics: CS 381, 390, 417

Elective Computer Science Courses (Consult catalog) 9____
CS 300/400-level electives excluding CS 333,334, & 382. Up to six credits of work experience (CS 367 or 368) may be used in place of electives

Mathematics and Statistics

Math 211 - Calculus I 4____
Math 212 - Calculus II 4____
Math 316 - Introductory Linear Algebra 3____
Stat 330 - Intro to Probability & Statistics 3____

Technical Electives 6-8____

Biol or Chem or OEAS or Phys
Excluding: Biol 105N, 106N, 108N, 109N, 110N, 112N, 113N, 117N or 118N or Phys 101N, 102N, 103N or 104N

UPPER DIVISION GENERAL EDUCATION

Option A, B, C or D:
Students must follow the requirements for the selected minor option as outlined in the Undergraduate Catalog to meet this requirement.

** Grade of C or better is required
** Might need to take prior to Math 211
*** Computer Science majors must earn a grade of C or better in all (non-elective) computer science courses required for the major and in all CS prerequisite courses.