FOR 2010-2011 ONLY
COMPUTER SCIENCE
College of Science and Health
Bachelor of Science in COMPUTER SCIENCE

GE Requirements (42 credits)
1. Arts & Communication (6 credits)
   - COMM 110 Communication in Action
   Select 1 from the remaining:
   - ARTH 101 Approaches to Western Art
   - COMM 101 Intro to Theatre
   - MUS 120 Music Appreciation
2. Humanities (12 credits)
   - ENG 110 Writing Effective Prose
   - ENG 150 Intro to Literature
   - HIST 101 Foundations of Western Civ.
   - PHIL 110 Intro to Philosophy
3. Math/Science (12 credits)
   - MATH 160 Calculus I
   Complete 1 of the sets from the following:
   - BIO 163 & 164 General Biology I & II
   - CHEM 160 & 161 General Chemistry I & II
   - PHYS 260 & 261 General Physics I & II
4. Social Science (6 credits)
   Complete 2 courses of the following, no more than 3 credits per discipline:
   - ANTH 130 Intro to Anthropology
   - ECON 201 Macroeconomics Principles
   - GEO 150 World Regional Geography
   - POL 110 Intro to Politics
   - POL 120 American Government
   - PSY 110 General Psychology
   - SOC 101 Principals of Sociology
5. Health/Movement Science (3 credits)
   Complete 1 of the following:
   - PBHL 120 Current Health Issues
   - PEGE 150 Fitness for Life
6. Racism & Sexism (3 credits)
   Complete 1 of the following:
   - AACS 150 Racism & Sexism in the US
   - AACS 155 Justice & Racism
   - WS 110 Women’s Changing Roles
   - WS 150 Racism & Sexism in the US

Foreign Language (6 credits)
- FOREIGN LANGUAGE – Basic I
- FOREIGN LANGUAGE – Basic II

Non-Western (3 credits)
- 200 or higher level non-western course

Directed Electives (8 credits)
- MATH 161 Calculus II
- MATH 324 Probability and Statistics

Free Electives
Additional credits may be needed to reach the 120 minimum credits to graduate

COMPUTER SCIENCE:
Basic Core Courses (21 credits)
- CS 230 Computer Science I
- CS 240 Computer Science II
- CS 260 Discrete Structures
- CS 280 Computer and Assembler Language
- CS 341 Digital Logic & Computer Organization
- CS 342 Data Structures

Advanced Core Courses (15 credits)
- CS 345 Operating Systems
- CS 350 Software Engineering
- CS 372 Design and Analysis of Algorithms
- CS 382 Programming Languages
- CS 480 Computer Science Seminar

Computer Science Electives (12 credits)
Select 4 from the following:
- CS 399 Selected Topics
- CS 402 Numerical Methods
- CS 404 Computer Simulation
- CS 405 Systems Programming
- CS 410 Artificial Intelligence
- CS 420 Compiler Construction
- CS 430 Data Comm. & Computer Networks
- CS 440 Database Management System
- CS 441 Computer Architecture

Additional Math & Science (8/7 credits)
Select 2 from the following, at least 1 must be a science course:
- CS 445 Theory of Computation
- CS 461 Computer Graphics
- CS 490 Computer Science Senior Project (max. 3) or CS 495 Internship (max. 3 credits)

2/10/2010