

**For students Matriculating in Computer Science Fall 2008 and after
CURRICULUM GUIDE - WORCESTER STATE COLLEGE
BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

NAME: _____

ADVISOR: _____

FOUNDATION REQUIREMENTS: (Cannot be taken on PASS/FAIL basis)

English Composition I and II

Mathematics

Constitutions (HI 111 or 112 or PO 102 or 210 or HI/PO 218/219)

_____ (6 Credits)

Fulfilled by Ancillary Courses

_____ (3 Credits)

DISTRIBUTION REQUIREMENTS:

HUMANITIES: (4 COURSES)

(Courses can be taken from English, Foreign Language, History (in addition to Foundation), Philosophy, Communication (see catalog for list))

_____ EN 252 Technical Writing _____

_____ CM 110 Public Speaking _____

_____ _____

_____ _____

BEHAVIORIAL/SOCIAL SCIENCES (4 COURSES)

(Courses can be taken from Cultural Geography (GE prefix), Economics, Education, Political Science (in addition to Foundation), Psychology, Sociology, Urban Studies)

_____ UR 230 Tech., Public Policy, & Urban Soc. _____

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**NATURAL SCIENCES & MATH (4 COURSES/ONE LAB)
FULFILLED BY ANCILLARY COURSES**

FINE ARTS (3 COURSES)

(Courses can be taken from Art, Music, Theatre, Visual & Performing Arts, Communication (see catalog for list))

_____ _____

_____ _____

_____ _____

HEALTH STUDIES (3 CREDITS)

Health

Physical Ed Activities: 1____ 2____ 3____

IMPORTANT: No more than 2 courses in a given discipline can be taken to satisfy a distribution group.

MAJOR REQUIREMENTS:

**ANCILLARY COURSES: (Minimum of 39 CREDITS)*
(Some ancillary courses apply to Distribution reqs.)**

_____ CM 110 Public Speaking

_____ EN 252 Technical Writing

_____ UR 230 Tech, Pub. Policy and Urban Soc.

Math and Science Ancillary Requirements (Min 30 Cr.)

_____ MA 220 Discrete Mathematics I (4 Cr.)

_____ MA 290 Discrete Mathematics II (4 Cr.)

_____ MA 200 Calculus I (4 Cr.)

_____ A Math course above MA 200 (3 or 4 Cr.)

_____ Lab Science course (4 Cr.)

_____ Lab Science course (4 Cr.)

_____ Approved** Math or Science course (3 or 4 Cr.)

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MAJOR CORE COURSES: (29 CREDITS)*

_____ CS 101 Basics of Computer Science

_____ CS 140 Intro to Programming (4 Cr.)

_____ CS 242 Data Structures

_____ CS 282 Unix Systems Programming

_____ CS 253 Comp.Org. & Assem. Lang. (4 Cr.)

_____ CS 352 Digital Computer Architecture

_____ CS 373 Operating Systems

_____ CS 375 Software Design and Analysis

_____ CS 401 Obj. Oriented Software Dev.

MAJOR ELECTIVES: (12 CREDITS)* - taken @ 300 level or higher***

* cannot be taken on a PASS/FAIL basis.

** see your advisor for the list of approved Math and Science courses.

*** up to 3 credits of internship (CS 498) and up to 3 credits of Independent Study (CS 499) may be used to satisfy the major elective requirements.

