

For students Matriculating in Computer Science Fall 2009 and after
CURRICULUM GUIDE - WORCESTER STATE UNIVERSITY
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

NAME: _____

LIBERAL ARTS & SCIENCES CURRICULUM:

FIRST YEAR SEMINAR (3 CREDITS):

ADVISOR: _____

MAJOR REQUIREMENTS:

WRITING (6 CREDITS):

MAJOR CORE COURSES: (29 CREDITS)*

CONSTITUTIONS (3 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.

CAPSTONE EXPERIENCE (1-4 CREDITS):
Fulfilled by CS 401

QUANTITATIVE REASONING (3-6 CREDITS):
Fulfilled by Ancillary Requirements

NATURAL SYSTEMS & PROCESSES (7-12 CREDITS):
Fulfilled by Ancillary Requirements

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

THE US AND ITS ROLE IN THE WORLD (3 CREDITS):

GLOBAL PERSPECTIVES (6 CREDITS):

**ANCILLARY COURSES: (Minimum of 39 CREDITS)*
 (Some ancillary courses apply to LASC requirements)**

THOUGHT, LANGUAGE AND CULTURE (6 CREDITS):
 CM 110 Public Speaking _____

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- _____ EN 252 Technical Writing
- _____ UR 230 Tech, Pub. Policy and Urban Soc.

HUMAN BEHAVIOR & SOCIAL PROCESSES (6 CR):

Math & Science Ancillary Requirements (Min 30 CR)

INDIVIDUAL AND COMMUNITY WELL-BEING (3 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 (3 or 4 CR)
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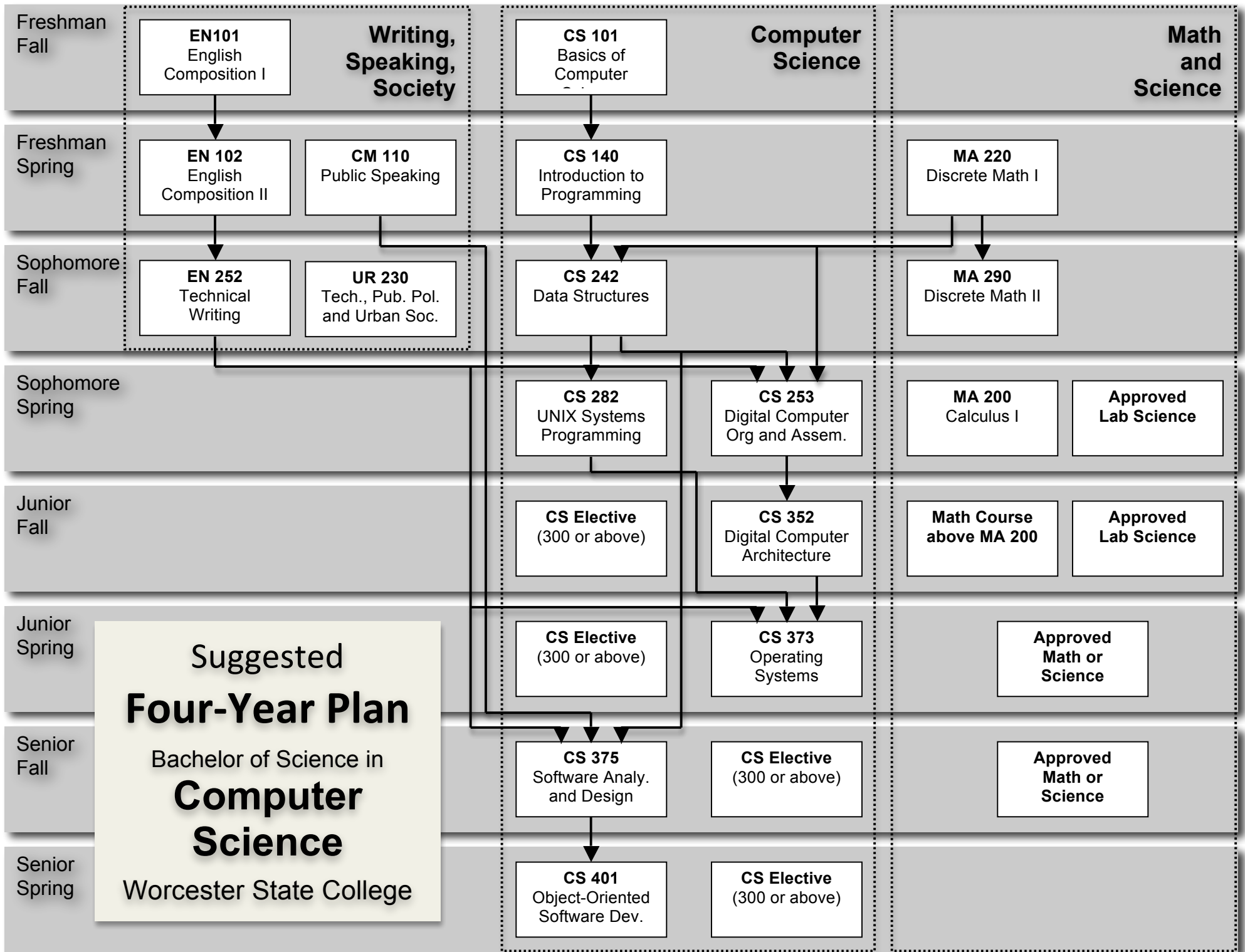
CREATIVE ARTS (6 CREDITS):

WRITING ACROSS THE CURRICULUM (6 CREDITS):
 EN 252 Technical Writing _____

* 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.

DIVERSITY ACROSS THE CURRICULUM (6 CREDITS):

MATHEMATICS ACROSS THE CURRICULUM (3 CR):
Fulfilled by Ancillary Requirements



Suggested
Four-Year Plan
 Bachelor of Science in
Computer Science
 Worcester State College