

Computer Science Curriculum

Bachelor of Science

University of Massachusetts Lowell

September 2010

Student ID _____ Name _____ Date _____

Computer Science

1. 91.101 Computing I (using C)
2. 91.102 Computing II (using C)
3. 91.201 Computing III (using C++)
4. 91.203 Comp. Org. & Assem. Lang.
5. 91.204 Computing IV (C++, Java)
6. 91.301 Org. of Programming Lang.
7. 91.305 Computer Architecture
8. 91.304 Foundations of CS
9. 91.308 Operating Systems
10. 91.404 Analysis of Algorithms

Mathematics

1. 92.131 Calculus I *or*
92.128 Calc IA + 92.129 Calc IB
2. 92.132 Calculus II
3. 92.321 Discrete Math I
4. 92.322 Discrete Math II
5. 92.386 Probability & Statistics

English

1. 42.101 College Writing I
2. 42.102 College Writing II
3. 42.220 Oral & Writ. Comm. for CS

Engineering

1. 16.265 Logic Design

Natural Science Electives

1. Nat. Sci. Elective I w/ Lab _____
2. Nat. Sci. Elective II w/ Lab _____
3. Nat. Sci. Elective III w/ Lab _____

or four 3-credit Natural Science electives + one associated lab

Computer Science Electives

1. CS Project I _____
2. CS Project II _____
3. CS Elective _____

Social Sciences (SS) General Education

1. SS Gen. Ed. _____
2. SS Gen. Ed. _____
3. SS Gen. Ed. _____

Technical Electives

1. Tech. Elec. I _____
2. Tech. Elec. II _____

Arts and Humanities (AH) General Education

1. 42.220 Oral & Written Communication for CS (*from above*)
2. AH Gen. Ed. _____
3. AH Gen. Ed. _____

General (Free) Electives (*one must be non-technical*)

1. General Elective I _____
2. General Elective II _____
3. General Elective III _____
4. General Elective IV _____
5. (Non-Tech.) Gen. Elec. V _____

Gen. Eds. That Satisfy Additional Requirements (*not necessarily two more courses*)

Diversity Requirement: _____

CS Ethics Requirement: _____