March 2020

Computer Science Curriculum
University of Massachusetts Lowell
Bachelor of Science in Computer Science

Name: _____ Student ID: _____

Computer Science

1. COMP.1010 Computing I (using C)
2. COMP.1020 Computing II (using C)
3. COMP.2010 Computing III (using C++)
4. COMP.2030 Comp. Org. & Assem. Language
5. COMP.2040 Computing IV (using C++)
6. COMP.3010 Org. of Programming Languages
7. COMP.3040 Foundations of CS
8. COMP.3050 Computer Architecture
9. COMP.3080 Operating Systems
10. COMP.4040 Analysis of Algorithms

Mathematics

1. MATH.1310 Calculus I
   - or - MATH.1280 Calc IA
      + MATH.1290 Calc IB
2. MATH.1320 Calculus II
3. MATH.2190 Discrete Structures I
4. MATH.3220 Discrete Structures II
5. MATH.3860 Probability and Statistics

English

1. ENGL.1010 College Writing I
2. ENGL.1020 College Writing II
3. ENGL.2200 Oral &Written Communications for CS

Engineering

1. EECE.2650 Logic Design

Computer Science Electives

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

Arts and Humanities (AH) General Education

1. ENGL.2200
2. AH Gen. Ed. _____
3. AH Gen. Ed. _____

Social Sciences (SS) General Education

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

(At most two courses from the same department.)

Technical Electives

1. Technical Elective I _____
2. Technical Elective II _____

Gen Ed Requirement

☐ Diversity Requirement (DCA)
☐ Ethics Requirement (SRE)

Natural Science Electives

1. Natural Science 1 w/Lab _____
2. Natural Science 2 w/Lab _____
3. Natural Science 3*   _____
4. Natural Science 4*   _____

*A total of at least 12 credits of natural science courses are required; at least 2 of these courses must be taken with the co-requisite lab.

General (Free) Electives

1. General Elective I   _____
2. General Elective II _____
3. General Elective III _____
4. General Elective IV_____