

BS-CS Tracking Form for Major Requirements

Effective Spring 2023

Name: _____ ID#: _____ Advisor: _____

Four Math Courses

Three Introductory CS Courses

MATH 131

Calc I

Semester:
Grade:

MATH 132

Calc II

Semester:
Grade:

CICS 110

Foundations of Prog.

Semester:
Grade:

CICS 160

Object Oriented Prog.

Semester:
Grade:

CICS 210

Data Structures

Semester:
Grade:

COMPSCI 198C

Intro to C

Semester:
Grade:

MATH 233

Multivariate Calc

or

STAT 315 *Stats I*

Semester:
Grade:

MATH 235

Linear Algebra

Semester:
Grade:

COMPSCI 240 *Reasoning Under Uncertainty*

Semester:
Grade:

COMPSCI 250 *Intro to Computation*

Semester:
Grade:

COMPSCI 220 *Programming Methodology*

Semester:
Grade:

COMPSCI 230 *Comp Sys Principles*

Semester:
Grade:

Four CS Core Courses

Eight Upper-Level CS Courses

COMPSCI 311

Algorithms (prereq: 250)

Semester:
Grade:

COMPSCI 300+

Semester:
Grade:

COMPSCI 300+

Semester:
Grade:

*IE Req, if
COMPSCI 320 or
COMPSCI 326

Integrative Experience

*Univ requires IE and JYW courses be taken at UMass Amherst. Secondary CS Majors should satisfy IE and JYW Reqs in primary major.

Choice of
COMPSCI 320*,
COMPSCI 326*

Semester:
Grade:

*COMPSCI 320 and/or 326 may
also satisfy an upper-level elective.

CICS 305*

Social Issues in Computing

Semester:
Grade:

COMPSCI 300+

Semester:
Grade:

*UPD may approve a
maximum of 3 credits of
COMPSCI 499T/P or
COMPSCI 396/496/596 to
satisfy a CS elective at the
appropriate level.

*Some graduate (600) level+
courses are permitted, but
often have twice the workload
of undergrad courses.

COMPSCI 300+

Semester:
Grade:

**Or, Outside
Approved
Elective

Major GPA

(See ARR)

Minimum 2.0 cumulative GPA in all courses applied to
major. Pass/Fail not allowed in major.

CNS Lab Science Courses (8 credits)

CHEM 111 (or 121)

CHEM 112 (or 122)

GEOL 101/lab, (or 103/131, or 105/131)

PHYSICS 151 (or 181)

PHYSICS 152 (or 182)

CICS 256

Semester:
Grade:

Semester:
Grade:

Please see the section on Lab Science Courses at:
[BS in Computer Science Degree Requirements: 2023 Revision](#)

**Approved Outside Elective courses that may count in place of one CS 300+:

ECE 547, ECE 668, LINGUIST 301,
MATH 411, MATH 545, MATH 551, MATH 552