BA-CS Tracking Form for Major Requirements

Effective Spring 2023

Name: _____ **ID#:** _____ **Advisor:** _____

Three Introductory CS Courses

CICS 110 *Foundations of Prog.*
Semester:
Grade:

→

CICS 160 *Object Oriented Prog.*
Semester:
Grade:

→

CICS 210 *Data Structures*
Semester:
Grade:

Three Math Courses

MATH 131 *Calc I*
Semester:
Grade:

MATH 132 *Calc II*
Semester:
Grade:

The third course can be: any 200+ MATH course, RE211*, RE212*, STAT240*, STAT501*, or STAT315.

_____

Semester:
Grade:

** not applicable to the BS*

CS Core Courses (complete only three of the four)

1.
Semester:
Grade:

2.
Semester:
Grade:

3.
Semester:
Grade:

The courses must be chosen from the following list (prereq in parenthesis):

- COMPSCI 220 Programming Methodology (CICS 210)
- COMPSCI 230 Computer Systems Principles (CICS 210 and COMPSCI 198C)
- COMPSCI 240 Reasoning Under Uncertainty (M132 and CICS 160)
- COMPSCI 250 Intro to Computation (M132 and CICS 160)

Your choice of cores determines which CS electives you can take.

Five Upper-Level CS Courses (COMPSCI 300+)

1.
Semester:
Grade:

2.
Semester:
Grade:

3.
Semester:
Grade:

*IE Req, if COMPSCI 320 or COMPSCI 326

4.
Semester:
Grade:

***COMPSCI courses only (not CICS 305). UPD may approve a maximum of 3 credits of COMPSCI 499T/P or COMPSCI 396/496 to satisfy a CS elective.**

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

5.
Semester:
Grade:

Integrative Experience | *JrYr Writing*

**University requires IE and JYW courses be taken at UMass Amherst. Secondary CS Majors should satisfy these requirements in their 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:

Major GPA _____

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

Four-Course Outside Concentration

(must be approved by UPD prior to registration for 1st semester senior year)

Concentration Area: _____

1.
Semester:
Grade:

2.
Semester:
Grade:

3.
Semester:
Grade:

4.
Semester:
Grade:

Non-CS courses, 200-level+, that form a focused study in another discipline must be majors courses in the offering department (excludes JYW). If it suits the proposed concentration, students may propose that one of the four be a 4th course from the 200-level CS cores, or a 6th 300-level+ CS elective. Students should propose their Four Course Concentration before undertaking it, and no later than the second semester of junior year.

Language

❑ Check box if complete. Study of a foreign language is required* for the BA degree by the College of Information and Computer Sciences.

*Language Requirement is only for the primary BA. Secondary BA are not required to satisfy the CICS Foreign Language Requirement unless they change to primary or become a Dual Degree.

University, General Education and Foreign Language requirements should be checked on SPIRE.

Revised Sept 26, 2025