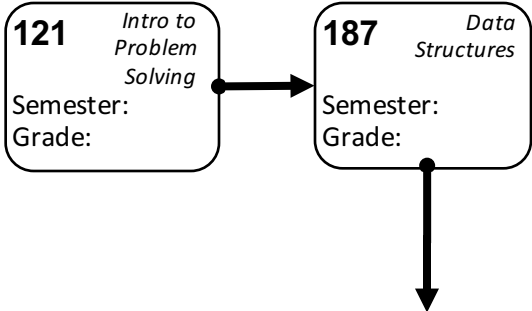


# BA-CS Tracking Form for major requirements

Name: \_\_\_\_\_ ID#: \_\_\_\_\_ Advisor: \_\_\_\_\_

## Two Introductory CS Courses



## Three Math Courses

**M131** *Calc I*

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

**M132** *Calc II*

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

The third course can be: any 200+ MATH course, RE211\*, RE212\*, STAT240\*, STAT501\*, or STAT515.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

*\* not applicable to the BS.*

Math 127-128 can be substituted for Math 131-132 for the BA, but this option will restrict access to 200-level cores and higher-level electives that require Math 132 as a prerequisite .

## CS Core Courses (complete only three of the four)

1.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

2.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

3.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

*Students are strongly advised not to take 220 and 230 or 240 and 250 together in the same semester.*

- The courses must be chosen from the following list:
- 220 Programming Methodology
  - 230 Computer Systems Principles
  - 240 Reasoning Under Uncertainty (M132 prereq)
  - 250 Intro to Computation (M132 prereq)

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

NOTE: Completion of 121, 187, and three CS cores completes the CS

## Five Upper-Level CS Courses (300+)

1. \*IE Req. if 320 or 326

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

2.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

3.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

**• CS courses only (not CS 305). Courses numbered x90-x99 (limit of 3 credits) require UPD approval to count toward degree.**

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

4.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

5.

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

## Integrative Experience

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

**Choice of 320\*, 326\*** \_\_\_\_\_

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

\*320 or 326 may also satisfy an upper-level elective.

**305** *Social Issues in Computing*  
(Or JYW in another dept)

Semester: \_\_\_\_\_  
Grade: \_\_\_\_\_

## Four-Course Outside Concentration (must be approved by UPD prior to registration for 1<sup>st</sup> 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 are eligible. With appropriate justification, students may propose that one of the four be a 4<sup>th</sup> course from the 200-level CS cores, or a 6<sup>th</sup> 300-level+ CS elective.

**Major GPA**

\_\_\_\_\_

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

## Language

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