# CS & Math Plan of Study

This is meant to be followed loosely as the Math/Computer Science has many possible course combinations. Please refer to the course bulletin for a full list of courses that students can take. Reach out to your advisor if you have questions!

* indicates that choice is dependent on whether students have an AP Calculus or AP CS credit.

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**FALL**

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<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>MA 123: Calculus 1 or MA 124: Calculus II</td>
<td>CS 210: Computer Systems</td>
<td>CS330: Intro to Analysis of Algorithms</td>
<td>One of CS320, CS332, or CS350</td>
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<tr>
<td>CS 111: Intro to CS 1 or* CS 112: Intro to CS 2</td>
<td>MA 293: Discrete Math or CS 131: Combinatoric Structures</td>
<td>MA Elective level 200 or above</td>
<td>Math Two Course Sequence Part 1</td>
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<tr>
<td>WR 120: First-Year Writing Seminar</td>
<td>Hub Course or MA 225: Multivariate Calculus</td>
<td>Hub Course</td>
<td>Hub Course</td>
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<td>Foreign Language Course</td>
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**SPRING**

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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</thead>
<tbody>
<tr>
<td>CS 112: Intro to CS 2 or CS 210: Computer Systems</td>
<td>MA 242: Linear Algebra</td>
<td>One of CS320, CS332, or CS350</td>
<td>CS Elective 400 or above</td>
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<td></td>
<td>Hub Course</td>
<td>MA Elective level 200 or above</td>
<td>Math Two Course Sequence Part II</td>
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<td>Hub Course</td>
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**Graduation Requirement Breakdown**

**CAS Requirements**
- CAS Programs require a minimum of 128 credits, excluding PDP, ROTC, and CASFY and CASSY courses.
- 4th semester foreign language or demonstration of equivalent proficiency.

**CS & MA Joint Major Requirements**

- **Lower Division CS Courses**
  - CS111 & CS112
  - CS 210
- **Lower Division Math Courses**
  - MA123 & MA124
  - MA 225 or MA 230
  - MA 242 Linear Algebra or MA 442
- **Lower Division Math or CS Courses**
  - MA293 or CS 131
  - MA 581 or CAS CS 237

**Upper Division Courses**
- CS330
- 2 of CS320, CS332, or CS350
- 2 CS electives level 400 or above
- 2 MA courses 200-level or above
- 2 courses in an upper division math sequence

**Hub Requirements**
The HUB is a set of 26 requirements for all BU undergraduate students. They can be completed in ~10–12 courses. Hub courses can count toward majors & minors. Below are the list of Hub requirements that are not already included in the joint major courses.

1. Philosophical Inquiry & Life’s Meanings
1. Aesthetic Exploration
1. Historical Consciousness
1. Scientific Inquiry I
1. Social Inquiry I
1. The Individual in Community
2. Global Citizenship and Intercultural Literacy
1. Ethical Reasoning
2. Research and Information Literacy
2. Teamwork/Collaboration
1. First-Year Writing Seminar
1. Writing, Research, and Inquiry
2. Writing–Intensive Course
1. Oral and/or Signed Communication