The 6-7 curriculum builds primarily on the *Chemistry and Biology GIRs*; not all courses require a GIR as a pre-requisite.

### Biology and Chemistry Subjects

- **Introductory Lab**
  - 7.02, 20.109, or 20.129

- **Organic Chemistry**
  - 5.12

- **Thermodynamics**
  - 5.60 or 20.110

- **Biochemistry**
  - 7.05

- **Genetics**
  - 7.03

- **Cell Biology**
  - 7.06

### Computer Science Subjects

- **Discrete Math**
  - 6.042

- **Programming #1**
  - 6.0001 or 6.S061 or 6.009

- **Algorithms**
  - 6.006

- **Programming #2**
  - 6.009 or 6.031

- **Communication**
  - 6.UAT or 6.UAR

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1 20.109 has additional pre-requisites
This is one possible roadmap for 6-7, but many permutations are possible. For instance, there is a significant amount of flexibility in what order students take their introductory courses.

**Semester 1:** Programming #1, Discrete math

**Semester 2:** Programming #2, Organic Chemistry, Thermodynamics

**Semester 3:** Intro Lab, Genetics

**Semester 4:** Biochemistry, Algorithms

**Semester 5:** Cell Biology, Algorithms

**Semester 6:** Computational Biology REST, Biology REST

6.UAT or 6.UAR is typically taken at some point during semesters 4-6