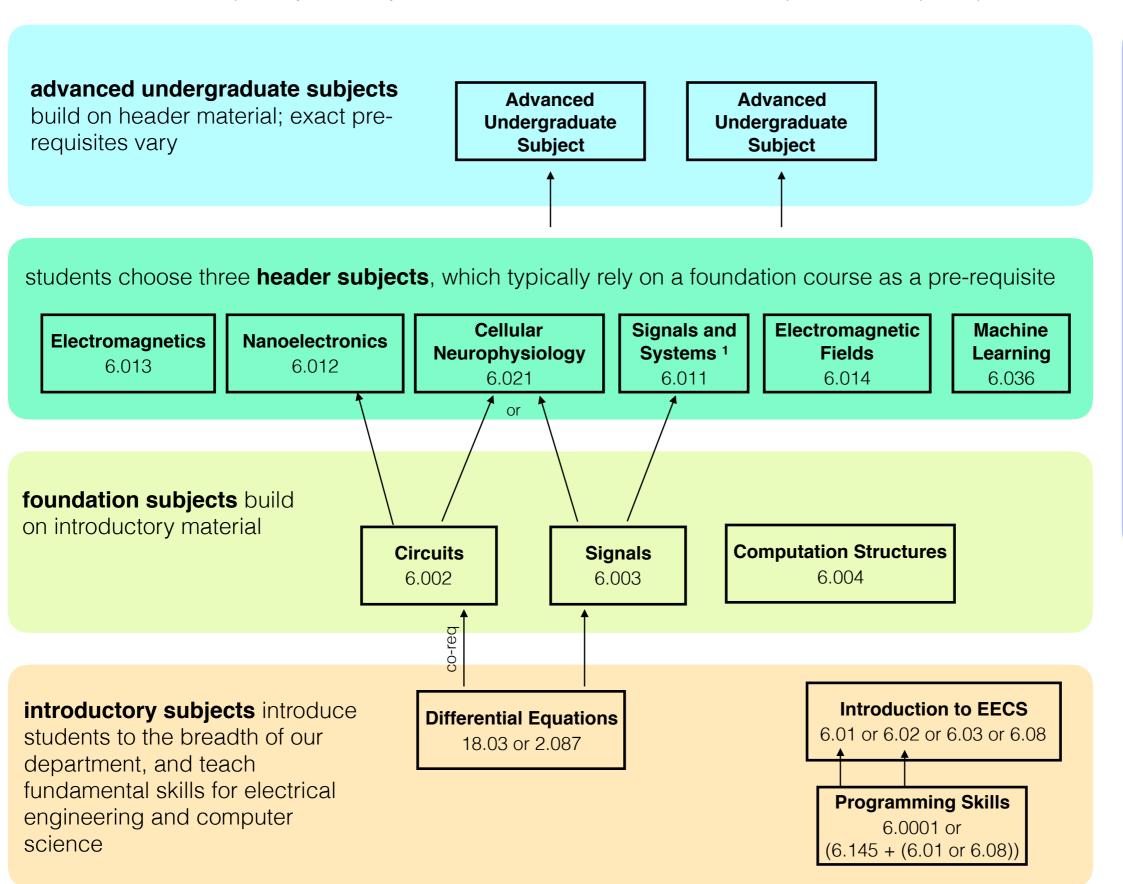
6-1: Electrical Science and Engineering

The 6-1 curriculum builds primarily on the Physics II and Calculus II GIRs; not all courses require a GIR as a pre-requisite



Communication 6.UAT or 6.UAR

Course 6
Elective

Course 6
Elective

three additional subjects are typically taken in the junior or senior year

¹ 6.011 also requires a probability prerequisite

This is a common roadmap for 6-1, but many permutations are possible. For instance, there is a significant amount of flexibility in what order students take their foundations, and in whether they finish their foundations before taking any headers.

Semester 1: Programming skills, Differential Equations

Semester 2: Introduction to EECS, Foundation #1

Semester 3: Foundation #2, Foundation #3

Semester 4: Header #1, Header #2

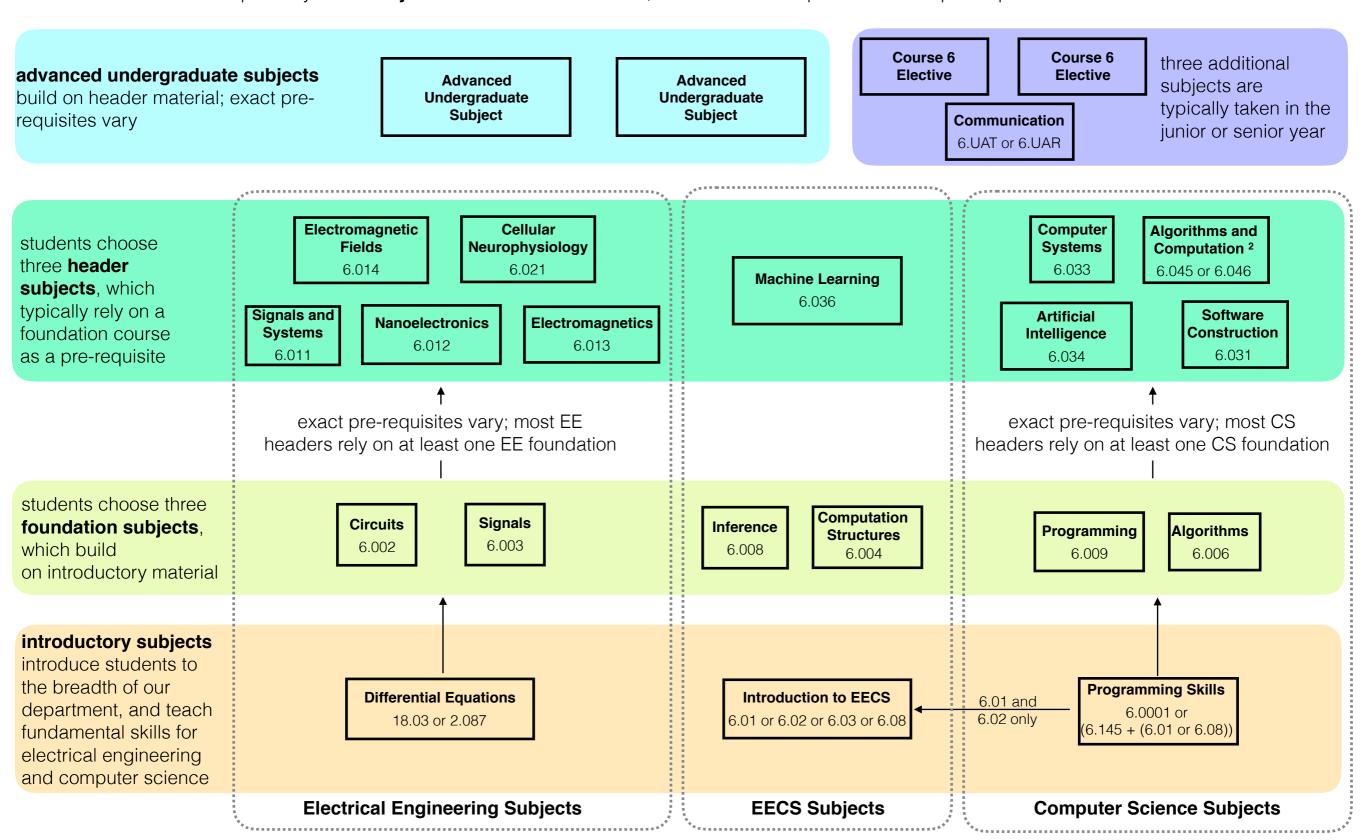
Semester 5: Header #3, AUS #1

Semester 6: AUS #2, Course 6 Elective #1

6.UAT or 6.UAR and the second Course 6 elective are typically taken at some point during semesters 4-6

6-2: Electrical Engineering and Computer Science

The 6-2 curriculum builds primarily on the **Physics II and Calculus II GIRs**; not all courses require a GIR as a pre-requisite



students must choose headers and foundations to span the breadth of EE, EECS, and CS¹

¹ of the headers and foundations, two must be from EE, two from CS, and one from EECS

² 6.045 and 6.046 also require 6.042, either as a direct pre-reg or as a pre-reg to 6.006

This is a common roadmap for 6-2, but many permutations are possible. For instance, there is a significant amount of flexibility in what order students take their foundations, and in whether they finish their foundations before taking any headers.

Semester 1: Programming skills, Differential Equations

Semester 2: Introduction to EECS, Foundation #1

Semester 3: Foundation #2, Foundation #3

Semester 4: Header #1, Header #2

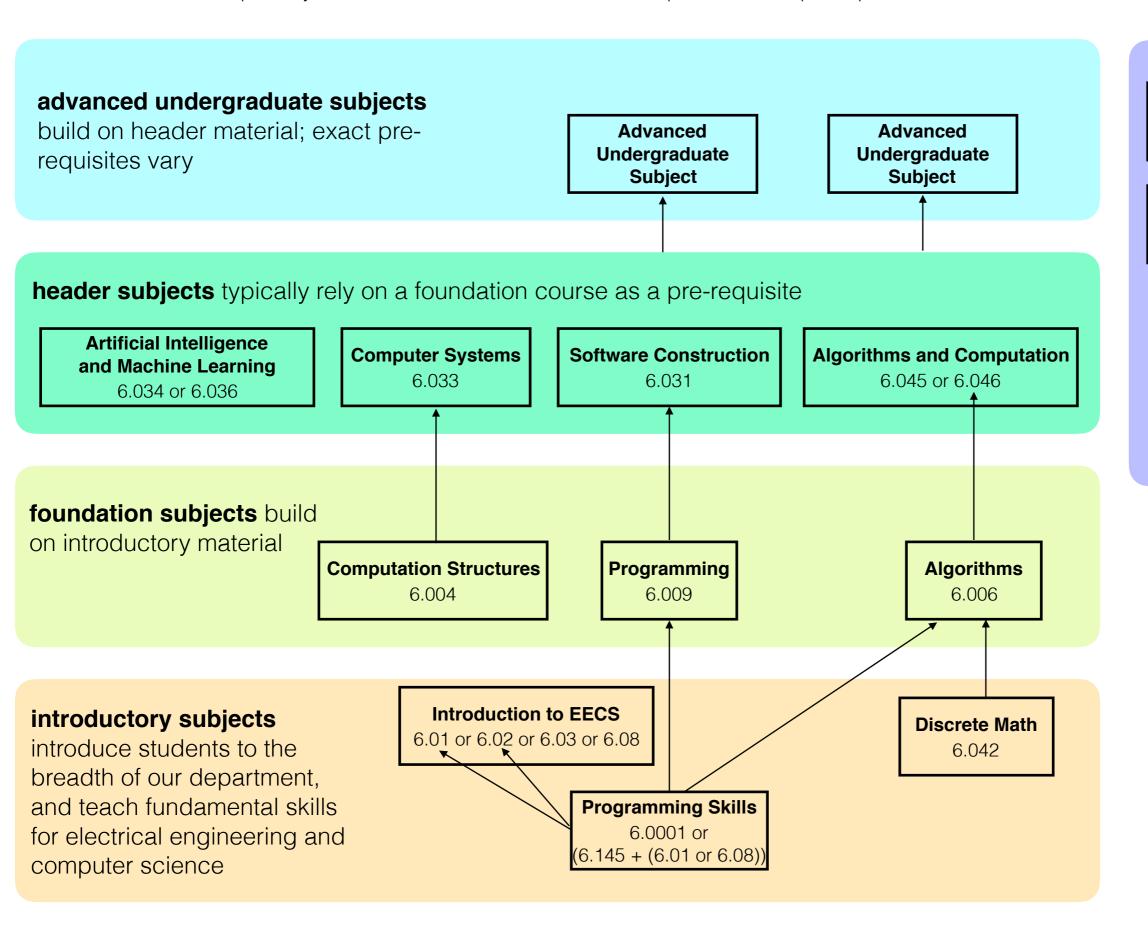
Semester 5: Header #3, AUS #1

Semester 6: AUS #2, Course 6 Elective #1

6.UAT or 6.UAR and the second Course 6 elective are typically taken at some point during semesters 4-6

6-3: Computer Science and Engineering

The 6-3 curriculum builds primarily on the Calculus II GIR; not all courses require a GIR as a pre-requisite



Communication 6.UAT or 6.UAR

Course 6
Elective

two additional subjects are typically taken in the junior or senior year This is a common roadmap for 6-3, but many permutations are possible. For instance, there is a significant amount of flexibility in what order students take their foundations, and in whether they finish their foundations before taking any headers.

Semester 1: Programming skills, Discrete math

Semester 2: Introduction to EECS, Foundation #1

Semester 3: Foundation #2, Foundation #3

Semester 4: Header #1, Header #2

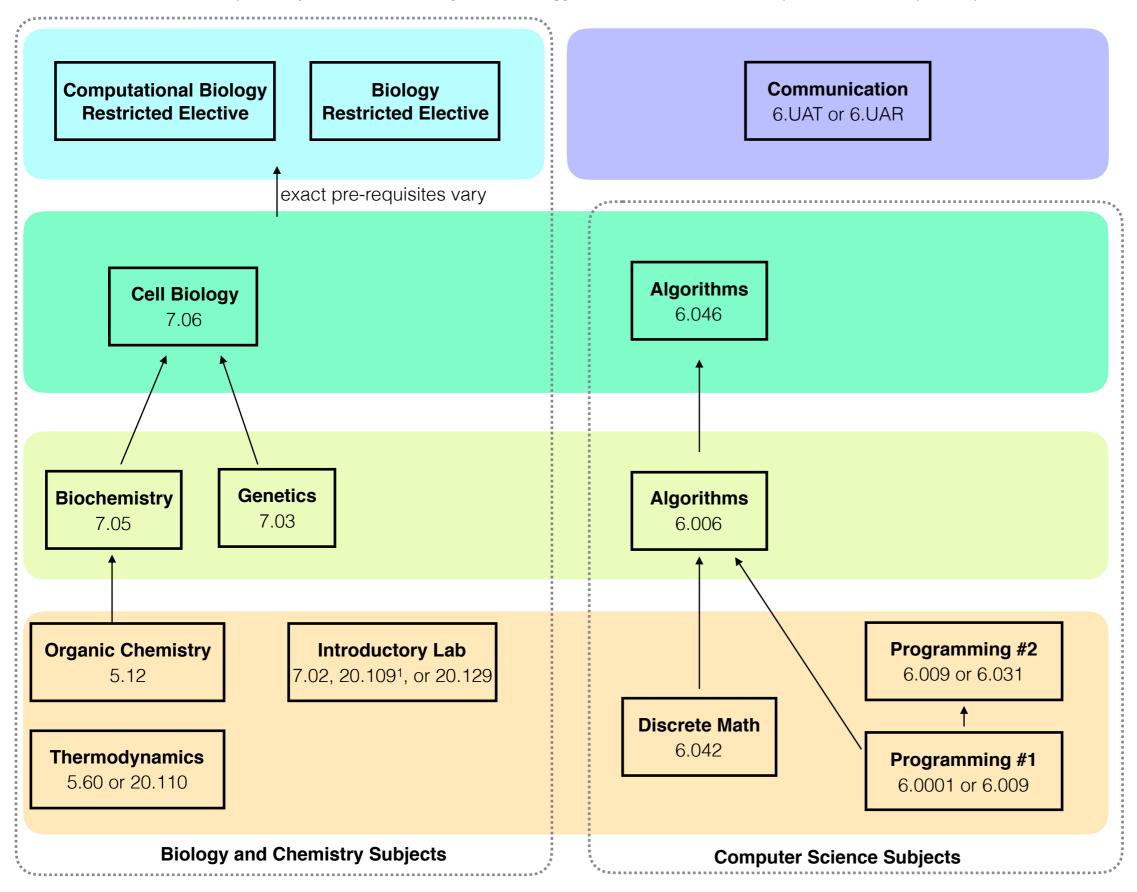
Semester 5: Header #3, Header #4

Semester 6: AUS #1, AUS #2

6.UAT or 6.UAR and the Course 6 elective are typically taken at some point during semesters 4-6

6-7: Computer Science and Molecular Biology

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



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

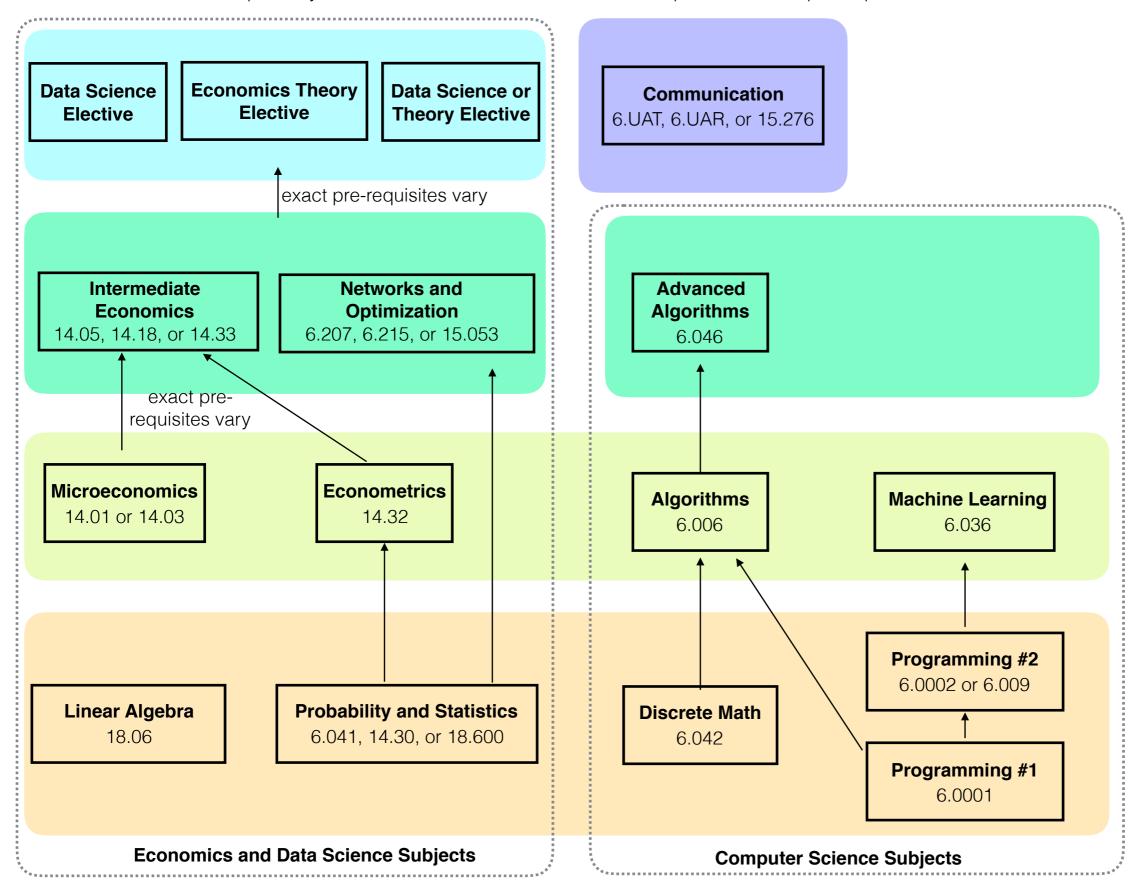
Semester 5: Cell Biology, Algorithms

Semester 6: Computational Biology REST, Biology REST

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

6-14: Computer Science, Economics, and Data Science

The 6-14 curriculum builds primarily on the Calculus II GIR; not all courses require a GIR as a pre-requisite



This is one possible roadmap for 6-14, but many permutations are possible. For instance, there is a significant amount of flexibility in what order students take their introductory courses

Semester 1: Linear Algebra, Discrete Math, Programming #1 + #2 (if 6.0002)

Semester 2: Probability and Statistics, Programming #2 (if 6.009), Microeconomics

Semester 3: Algorithms, Econometrics

Semester 4: Machine Learning, Advanced Algorithms

Semester 5: Intermediate Economics, Networks and Optimization, Elective #1

Semester 6: Elective #2, Elective #3

The communications class is typically taken at some point during semesters 4-6