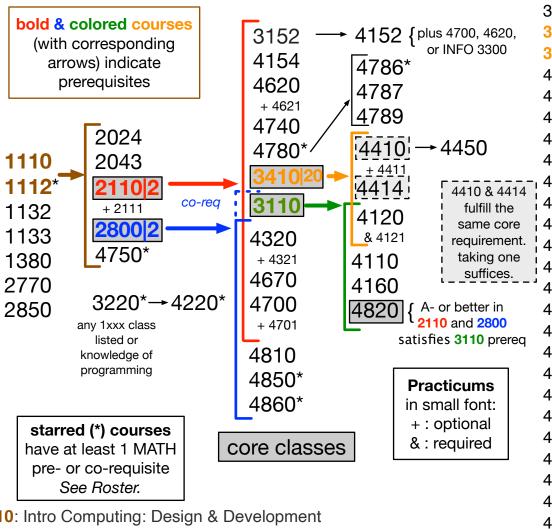
CS Undergraduate Prerequisite Structure



2024: C++ Programming

2043: UNIX Tools & Scripting

starred (*) courses
have at least 1 MATH
pre- or co-requisite
See Roster.

1110: Intro Computing: Design & Development
1112: Intro Computing: Engineering & Science
1132: Short Course in MATLAB
1133: Short Course in Python
11380: Data Science for All

11460*

In small font:
+: optional
&: required

4786: Machine Learning for Data Science
4787: Principles of Large-Scale Machine Learning
4789: Introduction to Reinforcement Learning
4810: Introduction to Analysis of Algorithms
4850: Mathematical Foundations for the Information Age
4860: Applied Logic
2110: Object-Oriented Programming & Data Structures
2112: Object-Oriented Design and Data Structures - Honors
2770: Excursions in Computational Sustainability

2800: Discrete Structures

2850: Networks

2802: Discrete Structures - Honors

3110: Data Structures and Functional Programming 3152: Introduction to Computer Game Architecture 3220: Introduction to Scientific Computation 3410: Computer System Organization and Programming **3420**: Embedded Systems (prereg: ENGRD 2300, not shown) 4110: Programming Languages and Logics 4120: Introduction to Compilers 4152: Advanced Topics in Computer Game Architecture 4154: Analytics-driven Game Design 4160: Formal Verification 4220: Numerical Analysis: Linear and Nonlinear Problems 4320: Introduction to Database Systems 4410: Operating Systems 4414: Systems Programming 4450: Introduction to Computer Networks 4620: Introduction to Computer Graphics 4670: Introduction to Computer Vision 4700: Foundations of Artificial Intelligence 4740: Natural Language Processing 4750: Foundations of Robotics 4780: Machine Learning for Intelligent Systems 4787: Principles of Large-Scale Machine Learning

Cornell CIS

Computer Science