The CS Major

**Intro to CS**
- one of:
  - 103: Taming Big Data
  - 104: Robots Rule!
  - 105: Game Development
  - 106: Can Comp. Think?
  - 107: Creative Computing
  - 109: Prog. for Engineers

5 Core Courses (Dark Gray)

- 150: Data Structures
- 206: NLP
  - 234: Visualization
  - 235: Modeling & Simulation
- 236: Network protocols
  - 237: Data Communication
    - Alternate prereq: 118
  - 240: Web Prog.
  - 243: Bioinformatics
  - 245: CS of games
- 260: Large-Scale SW Development
  - 250: Algorithms
- 270: Computer Organization
  - 497, 498, 499: Senior Project

Pick 5 Electives (Light Gray). Of those 5, 4 are >300 level, 1 is theory, 1 is systems

- 329: Neural networks
- 340: Databases
- 385: Graphics
- 350: Theory of Computing
- 370: Programming Languages
- 321: Data Mining & ML
- 118: Computer & Logic Design
- 318: Digital Design
- 352: Microcontrollers
- 354: VLSI
  - Additional prereq: ECE 225 or ECE 222

Legend:
- A → B A is a prerequisite of B. If B is a set of courses, A is a prerequisite of all courses in set B.
- Requires Intro course only
- Requires Data Structures & MTH 197
- Requires Data Structures only
- Requires Algorithms

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