Computer Science Curriculum

**Freshman**

**Fall**
- EGR110 (2) Intro to Engineering
- PHY204 (4) General Physics & Lab Prereq: MTH201
- MTH201 (4) Calculus I Prereq: MTH201

**Spring**
- CS203 (3) Comp Sci I & Lab
- PHY205 (4) General Physics & Lab Prereq: PHY204 MTH201
- MTH202 (4) Calculus II Prereq: MTH201

**Sophomore**

**Fall**
- CS301 (3) Data Struct I & Lab
- MTH311 (3) Discrete Structures Prereq: MTH201
- MTH341 (3) Intro to Linear Algebra Prereq: MTH202

**Spring**
- CS303 (3) Comp Sys Lab Prereq: CS303
- CS304 (3) Data Structures II Prereq: CS303
- PHY205* (3) or EGR360 (2) Statistics or Data Anal. Prereq: MTH202

**Junior**

**Fall**
- CS374 (1) Comp Sys Lab Prereq: CS303
- CS304 (3) Data Structures II Prereq: CS303
- MTH361* (3) or EGR360 (2) Statistics or Data Anal. Prereq: MTH202

**Spring**
- CS373 (1) Data Struct I & Lab
- CS352 (3) Programming Languages Prereq: CS304
- CS411 (3) Analysis of Algorithms Prereq: CS304, MTH311, MTH461

**Senior**

**Fall**
- CS441 (3) Software Engineering Prereq: CS303
- CS480 (3) Senior Design Proj Prep Prereq: Senior Standing
- CS451 (3) Theory of Computation Prereq: CS293, MTH311

**Spring**
- CS481 (3) Senior Design Project Prereq: CS480
- CS452 (3) Compiler Design Prereq: CS304, CS374, CS451
- CS400 (3) Seminar Prereq: Junior Standing

**Notes**
- Courses shaded in blue are typically offered in both the Fall and Spring.
- A dotted line indicates a possible prerequisite

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