

## Computer Science Major Requirements

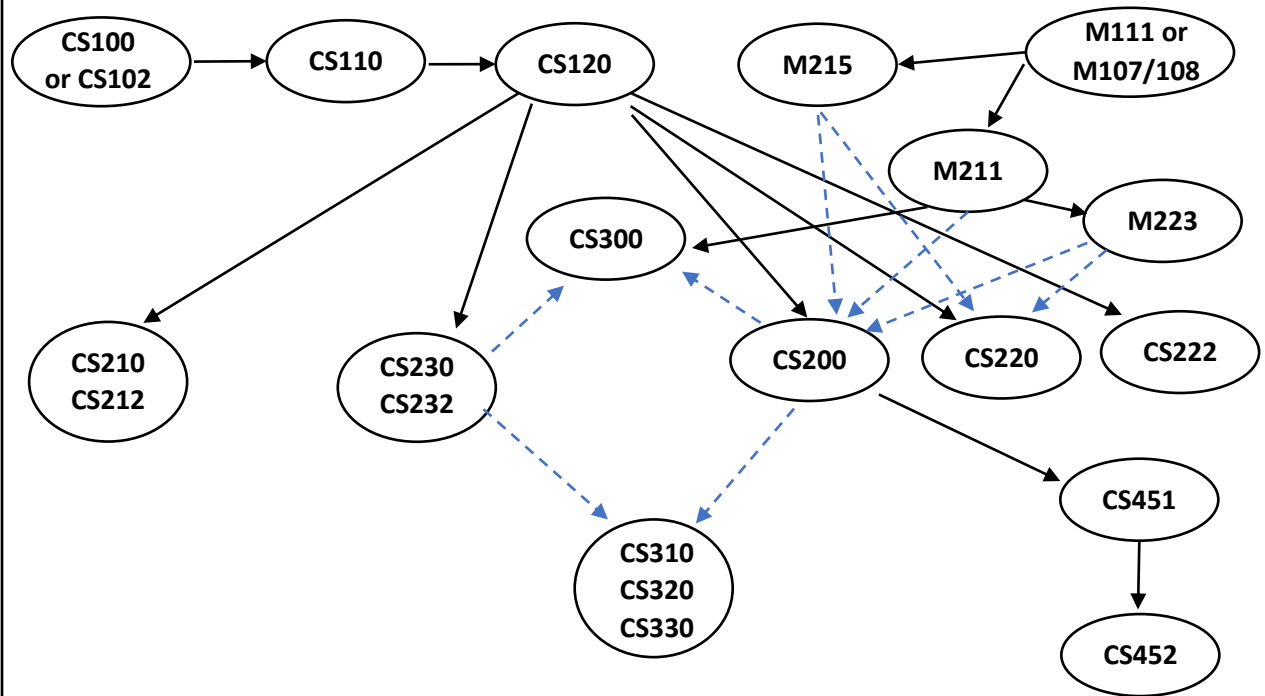
<p><b>Core Courses</b></p> <p>CSCI 100: Scientific Computing or CSCI 102: Multimedia Computing          CSCI 110: Imperative Problem Solving          CSCI 120: Data Structures and Algorithms          MATH 111: Calculus I (or Math 108)          MATH 211: Linear Algebra          CSCI 200: Algorithm Analysis (and Junior Independent Study)</p>
<p><b>Elective Courses</b></p> <p>One of the following: CSCI 210 or CSCI 212          One of the following: CSCI 220 or CSCI 222          One of the following: CSCI 230 or CSCI 232          Two of the following: CSCI 300, CSCI 310, CSCI 320, CSCI 330          One of the following: MATH 215 or MATH 223</p>

<p><b>Computer Science Minor</b></p> <p>CSCI 100 (or 102); CSCI 110; CSCI 120; MATH 111 (or 108); MATH 211;          one of CSCI 200, 230, or 232;          and two more CSCI courses numbered at or above 200.</p>
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<p><b>Offered EVERY semester</b></p> <p>CSCI 100: Scientific Computing (or CS 102, Fall only)          CSCI 110: Imperative Problem Solving          CSCI 120: Data Structures and Algorithms            MATH 111: Calculus I (or Math 108, Spring only)          MATH 211: Linear Algebra          MATH 215: Transition to Advanced Mathematics</p>	
<p style="text-align: center;"><b>FALL only</b></p> <p>CSCI 210: Principles of Computer Organization*          CSCI 212: Operating Systems**          CSCI 220: Theory of Computation*          CSCI 222: Programming Languages**          CSCI 300: Computer Graphics*          CSCI 320: User Interface Design**</p> <p>*Offered fall of odd years only (F2019, F2021)          **Offered fall of even years only (F2020, F2022)</p>	<p style="text-align: center;"><b>SPRING only</b></p> <p>CSCI 200: Algorithm Analysis          CSCI 230: Software Engineering—Mobile Computing**          CSCI 232: Software Engineering—Databases*          CSCI 310: Machine Intelligence**          CSCI 330: Computer Networking and Communication*          MATH 223: Combinatorics and Graph Theory***</p> <p>*Offered spring of even years only (S2020, S2022)          **Offered spring of odd years only (S2021, S2023)          ***Offered F2019, then spring of odd years only (S2021, S2023)</p>

- CS majors or minors may also minor in Statistical & Data Sciences, but no other major/minor combinations between these two fields are allowed.
- A score of 4 or 5 on the AP Computer Science A exam gives credit for CSCI 100. Students with AP credit who place into MATH 112 (Calculus 2) or higher may also skip CSCI 110 and start in 120.

### Computer Science Major Prerequisites



-----> a prerequisite can be satisfied by any one of the indicated courses