

Computer sci

Freshman Year

Fall Semester:
• ENGL B101/B105: Composition & Rhetoric (3 credits)
• CSCI B150: Introduction to Computer Science (3 credits)
• MATH B240: Calculus I (4 credits)
• COMM B140/B201: Communication (3 credits)
• Foreign Language I (3 credits)
Spring Semester:
• ENGL B102/B106: Composition & Literature (3 credits)
• CSCI B145: Object-Oriented Programming I (4 credits)
• MATH B241: Calculus II (4 credits)
• HIST B101/B102/B111/B112/B115/B116 (3 credits)
• Foreign Language II (3 credits)

Sophomore Year
Fall Semester:
• CSCI B146: Object-Oriented Programming II (4 credits)
• CSCI B240: C++ Programming (3 credits)
• STAT B240/B340: Probability & Statistics (3 credits)
• Natural Science with Lab (4 credits)
• Social/Behavioral Science Elective (3 credits)
Spring Semester:
• CSCI B280/MATH B280 or MATH B230 and B242 (4-6 credits)
• Fine Arts Elective (3 credits)
• Additional Natural Science (Lab optional) (3 credits)
• Liberal Arts Elective (3 credits)
• Global Citizenship & Multicultural Understanding (3 credits)

Junior Year
Fall Semester:
• CSCI B320: Database Management Systems I (3 credits)
• CSCI B350: Data Structures and Algorithms (3 credits)
• ENGL B262/B462: Introduction to Technical Writing or Technical Writing (3 credits)
• Program-Specific Cognate Course (3 credits)
• REACH Act – “Founding Documents” (HIST B111, POLI B201, or similar) (0-3 credits)
Spring Semester:
• CSCI B365: Computer Graphics (3 credits)
• CSCI B416: Introduction to Computer Networks (3 credits)
• Program-Specific Cognate Course (3 credits)
• Open Elective or Minor Course (3 credits)
• Program-Specific Cognate Course (3 credits)

Senior Year
Fall Semester:
<ul style="list-style-type: none"> • CSCI B450: Modeling and Simulation (3 credits)
<ul style="list-style-type: none"> • CSCI B466: Data Visualization (3 credits)
<ul style="list-style-type: none"> • CSCI B422: Introduction to Data Mining (3 credits)
<ul style="list-style-type: none"> • Program-Specific Cognate Course (3 credits)
<ul style="list-style-type: none"> • Open Elective or Minor Course (3 credits)
Spring Semester:
<ul style="list-style-type: none"> • CSCI B469: High Performance Computing (3 credits)
<ul style="list-style-type: none"> • CSCI B470: Software System Process and Management (3 credits)
<ul style="list-style-type: none"> • Open Elective or Minor Course (3 credits)
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