

Core Computer Science Curriculum (CSC)

Freshman

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| NONE ENGL 1010 (3) Writing I | ENGL 1010 (C or Better) ENGL 1020 (3) Writing II |
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| MATH 1710 & 1720 (C or better) or MATH 1730 (C or better) or ACT (27 or better) MATH 1910 (4) Calculus I | General Education¹(3) |
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| NONE CSC 1020 (1) Connections to Comp. | MATH 1910 (C or better) MATH 1920 (4) Calculus II |
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| CSC 1200 or MATH 1910 CSC 1300 (4) Intro to Prog MATH 1910 | General Education¹(3) |
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| General Education¹(3) | CSC 1300 (C or better) CSC 1310 (4) Data Structures |
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Sophomore

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| ENGL 1020 (C or better) English Literature² (3) | ENGL 1020 PC 2500 (3) Comm in Professions ENGL 1020 OR NONE COMM 2025 (3) Found of Comm |
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| Science³ (4) | Science³ (4) |
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| CSC 1310 (C or better) CSC 2310 (4) Object-Oriented Prog | MATH 1920, CSC 1310 (C or better) CSC 2400 (3) Design of Algorithms MATH 1920 |
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| CSC 1310 (C or better) CSC 2510 (3) Introduction to DevOps with Unix | MATH 1910 CSC 2700 (3) Discrete Structures |
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| MATH 1910 (C or better) MATH 2010 (3) Intro to Linear Alg. | CSC Lower-Division Elective⁴ (3) |
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Junior

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| CSC 1310 (C or better), CSC 2700 or ECE 2110 CSC 3300 (3) Database Mgmt | Junior Standing, CSC 1310 (C or better) and COMM 2025/PC 2500 CSC 3040 (3) Prof, Comm, Research |
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| CSC 1310 (C or better) CSC 3410 (3) Org & Assembly | CSC 3410 CSC 4320 (3) Comp Architecture |
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| CSC 1310 (C or better), CSC 2700 (C or better) CSS 3710 (3) Found. Of Comp. Sci. CSC 1310 | CSC Upper-Division Elective⁵ (3) |
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| General Education¹(3) | CSC Lower-Division Elective⁴ (3) |
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| MATH 1130 (C or better) or permit from Math Dept. MATH 3070 (3) Statistical Methods I OR MATH 1920 (C or better) MATH 3470 (3) Intro to Probs and Stats | General Education¹(3) |
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Senior

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| CSC 1310 (C or better), CSC 3410 or ECE 3130 CSC 4100 (3) Operating Systems | CSC 2400 CSC 4200 (3) Computer Networks |
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| Senior Standing, CSC 2310, CSC 2400, CSC 3030 or 3040, and CSC 3300 CSC 4610 (3) Software Eng I | CSC 4610 (C or better) CSC 4615 (2) Software Eng II |
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| CSC Upper-Division Elective⁵ (3) | Elective (5) |
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| General Education¹(3) | CSC Upper-Division Elective⁵ (3) |
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¹ General Education History 2010 or History 2020 OR

¹ General Education Humanities/Fine Arts OR

¹ General Education Social Science (6 credit hours)

³Science:

Take one science sequence from
BIOL 1113 and BIOL 1123 OR
BIOL 1113 and BIOL 2310 OR
CHEM 1110 and CHEM 1120 OR
GEOL 1040 and GEOL 1045 OR
PHYS 2010 and PHYS 2020 OR
PHYS 2110 and PHYS 2120

⁴ CSC Lower-Division Electives: Take two of the three Concentration gateway courses (Cyber, DS-AI, HPC: CSC 2220, CSC 2570, CSC 2770).

⁵CSC Upper-Division Electives: Take any additional 3000 or 4000 level CSC course except CSC 4990

Key:

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| Prerequisites |
| Course Number (Cr. Hours) |
| Course Title |
| Co-requisites |

Computer Science Flowchart (Core)