2025 – 2026 Bachelor of Science in Computational Science

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General Education Requirements	Credits
ENGL B101 or B105 *(Composition & Rhetoric)*	3
ENGL B102 or B106 *(Composition & Literature)*	3
COMM B140 or B201	3
Liberal Arts Elective[1]	3
HIST B101, B102, B111, B112, B115, or B116	3
Fine Arts[2]	3
Social/Behavioral Science[3]	3
Natural Science with Lab	4
Additional Natural Science (Lab optional)	3
Foreign Language (2 courses in the same language)	6
Global Citizenship & Multicultural Understanding[4]	3
REACH Act "Founding Documents" (HIST B111, B430, B442, B469, AFAM B201, or POLI B201)	0-3
Program Requirements	
CSCI B102 *(Introduction to HTML & CSS)*	3
CSCI B104 *(Computer Programming Techniques, Practices, & Tools)*	3
CSCI B150 *(Introduction to Computer Science)*	3
CSCI B145 *(Object-Oriented Programming I)*	4
CSCI B146 *(Object-Oriented Programming II)*	4
CSCI B240 *(C++ Programming)*	3
MATH B240 *(Calculus III)*	4
CSCI B280/MATH B280 or MATH B230 and B242	4-6
ENGL B262 or B462 *(Introduction to Technical Writing* or *Technical Writing)*	3
STAT B240 *(Fundamentals of Probability & Statistics)* or STAT B340 *(Introduction to Probability and Statistics)*	3
Major Requirements	
CSCI B320 *(Database Management Systems I)*	3
CSCI B350 *(Introduction to Data Structures and Algorithms)*	3
CSCI B365 *(Computer Graphics)*	3
CSCI B416 *(Introduction to Computer Networks)*	3
CSCI B422 *(Introduction to Data Mining)*	3
CSCI B450 *(Modeling and Simulation)*	3
CSCI B466 *(Data Visualization)*	3
CSCI B469 *(High Performance Computing)*	3
CSCI B470 *(Software System Process and Management)*	3
Advanced Free Electives	
Any nine (9) credits in free electives at the 200-level or higher	9

Minimum Credit Hours Required for Graduation: 120 Credits

[1]Courses from the following disciplines: AFAM, ANTH, ARTS, ECON, ENGL, FREN, GEOG, GERM, HIST, MUSC, PHIL, POLI, PSYC, RELG, SOCY, SPAN, COMM, THEA. IDST B260 may be used to fulfill this requirement. One-hour credits in MUSC and THEA may not be used to fulfill this requirement.
[2]Courses from the following disciplines: ARTH, ARTS, MUSC, THEA, ENGL B180. 1-hour credits in MUSC and THEA may not be used to fulfill this requirement.
[3]Courses from the following disciplines: ANTH, ECON, GEOG, GLST, LING, POLI, PSYC, SOCY.
[4]The following courses fulfill this requirement: ANTH B102, ANTH B312, ANTH B317, ANTH B351, ANTH B352, ANTH B452, COMM B450, EDCI B322, ENGL B270, ENGL B291, ENGL B441, GEOG B121, GLST B301, GLST, B398, HIST B109, HIST B115, HIST B116, HRTM B360, NURS B330, PSYC B380, PUBH B300, PUBH B324, RELG B203, SOCY B315, SPAN B380.