

REQUIREMENTS FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE

for students matriculated Fall 2022 or after

To receive the BS degree in computer science, students must earn a minimum of 126 credit hours, including transfer credits, with a minimum 2.0 (C) grade-point average in computer science major courses, and a minimum cumulative grade-point average of 2.0.

Credit Requirements - A minimum of 126 semester credits of which:

- a minimum of 60 credits must be in liberal arts and sciences courses
- a minimum of 40 credits must be earned in Computer Science Watson College
- a minimum of 45 credits must be completed at the 300-level or above

Area Requirements

1. **Communications**..... 8 credits

- One course that meet

Supplemental information regarding the BSCS Degree Requirements

The following information supplements that provided in the University Bulletin. It applies to students who matriculated Fall 2016 or after.

All required Computer Science courses, except CS 101, are offered every semester. The minimum grade in a required Computer Science course must be at least a C- to be allowed to take any Computer Science course, for which it is a prerequisite.

Calculus Topics are broken down as follows:

- MATH 224. Differential Calculus
- MATH 225. Integral Calculus
- MATH 226. Integration Techniques and Applications
- MATH 227. Infinite Series

Humanities/Social Science – May be filled by courses offered by the Division of Humanities, the Division of Social Sciences, the Psychology Department and HDEV courses offered by the College of Community and Public Affairs. Many of the courses taken to meet the General Education requirements will fulfill the Humanities/Social Science requirement.

Mathematics - Students who are strong in math are encouraged to take MATH 330 (Number Systems) instead of MATH 314 (Discrete Mathematics). Students with a strong math background may take MATH 381 (Graph Theory) as their Math elective. The following Binghamton University course can be substituted for MATH 327: MATH 448 (Mathematical Statistics), which has a prerequisite of MATH 323 and MATH 447.

Free Electives – May be filled by extra courses from any of the areas listed above, SOM courses, or additional Computer Science courses. A maximum of 2 HWS credits may be counted as Free Elective credits. At least four free elective credits must be in Liberal Arts and Science in order to ensure the 60 credits needed for a BS degree. CS 110 counts as a free elective.

Prerequisites for Computer Science Courses

The MATH and CS pre-requisites must have a grade of at least C-.

Course	Prerequisites
CS 101	None
CS 110	M.08 11.(r)-4.324.32 405.48 55.023.3 ()6.5 (S