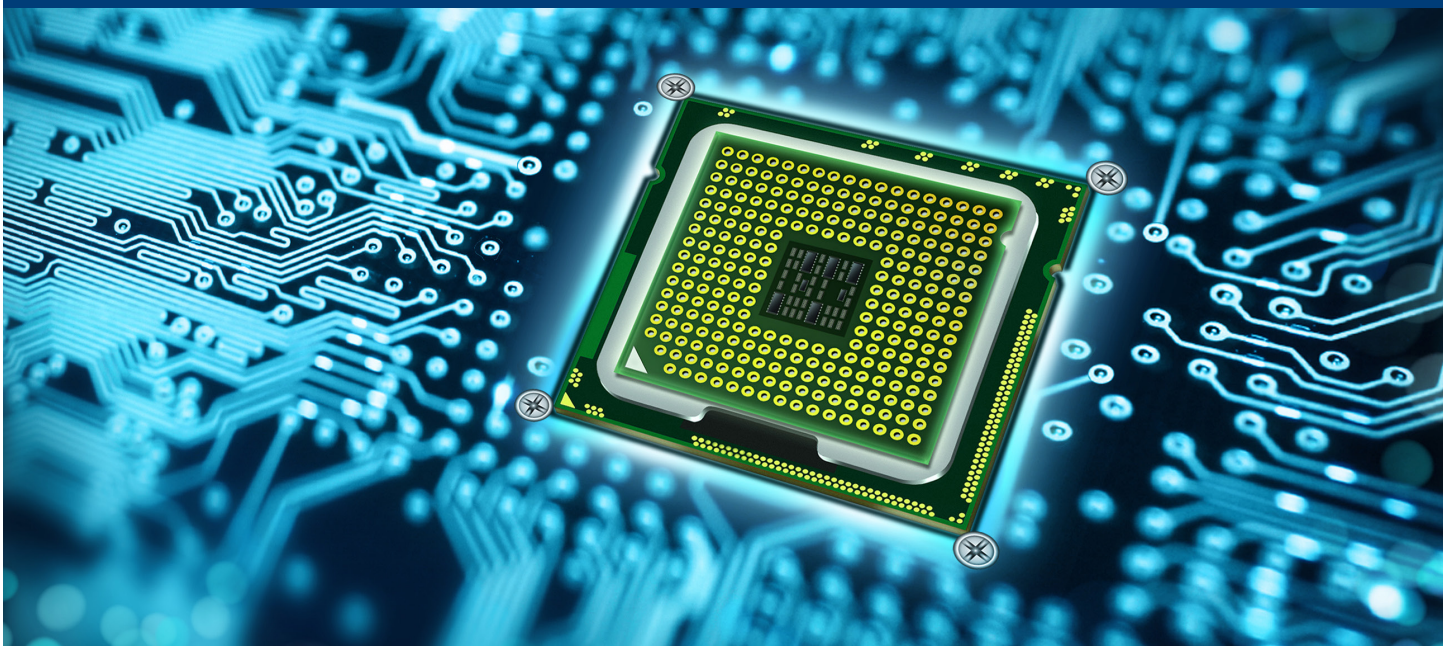
BACHELOR OF SCIENCE

Computer Science Degree



Earn your Bachelor's Degree at Bellevue College

For more information go to
bellevuecollege.edu/cs

Elective classes are offered in the areas such as Cloud Computing, Machine Learning, Data Science, Computer Networking and Communications, Mobile Application Development, Software Project Management, and Advanced Programming. BC offers upper-division courses **in-person** and **online**.

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BELLEVUE COLLEGE

Why Computer Science?

This high-paying, high demand field provides challenging and exciting opportunities affecting all professions from medicine, clean energy, automotive technology, e-commerce, entertainment, mobile apps to name a few areas. Students will gain a strong foundation along with practical application experience in a senior capstone design project.

Career Opportunities

Graduates with a Computer Science BS from Bellevue College may work in many industries as:

- Artificial Intelligence Engineers
- Computer Scientists
- Data Scientists
- Database Administrators
- Machine Learning Engineers
- Network Architects
- Software Engineers
- Systems Analysts

Application Process

Admissions into computer science is competitive and completion of the minimum prerequisites does not guarantee admissions into the major.

The application process includes two-steps:

- **Application to Bellevue College**
  bellevuecollege.edu/admissions/apply/general/
- **Application to Computer Science** (see website for deadlines)
  bellevuecollege.edu/cs

Computer Science Bachelor's Degree

College Academic Distribution Requirements (CADR)

Freshmen and transfer applicants must complete a minimum level of preparation prior to applying for admissions into Computer Science. Completion in six subject areas: English, Mathematics, Social Sciences/Social Studies, World Languages, Lab Science, Senior Year Math-Based Quantitative, and Arts. These minimum academic subject areas are set by the Washington Student Achievement Council. Most applicants have completed these requirements in high school or through college course work.

SAT or ACT Scores

Required for applicants with fewer than 40 transferable college credits only.

English Language Proficiency

All International applicants must submit proof of English language proficiency as defined by the Office of International Education and Global Initiatives by the application deadline. See BC website: **bellevuecollege.edu/international/**

Bellevue College does not discriminate on the basis of race, color, national origin, language, ethnicity, religion, veteran status, sex, sexual orientation, including gender identity or expression, disability, or age in its programs and activities. Please see policy 4150 at **bellevuecollege.edu/policies/**. The following people have been designated to handle inquiries regarding non-discrimination policies: Title IX Coordinator, 425-564-2641, Office C227, and EEOC/504 Compliance Officer, 425-564-2178, Office B126.

PROGRAM REQUIREMENTS

Course #	Course Title	CR
PREREQUISITES		
Freshmen: Must be qualified to enroll in the following courses: ■ Math & 151 Calculus I: Placement by assessment or MATH & 142 with a C- or better, or AP score of 2 or higher on AB or BC exam ■ ENGL & 101 Composition I: Placement by assessment or ENGL 092 or 093 with C- or better *SAT or ACT scores are required for applicants with less than 40 credits.*		
Transfer Students: Must complete each prerequisite with a minimum 2.0 grade. ■ MATH & 151 and 152 (or equivalent) ■ CS 210 and 211 ■ ENGL & 101 Composition I ■ 5–6 credits of either PHYS 121, general biology or general chemistry		
MATHEMATICS		**30**
MATH & 151	Calculus I	**5**
MATH & 152	Calculus II	**5**
MATH & 153	Calculus III	**5**
MATH 208	Linear Algebra	**5**
MATH 270	Probability and Statistics	**5**
MATH 301	Discrete Math	**5**
NATURAL SCIENCES		**18**
CHEM –OR– BIOL	General Chemistry Preparation with Lab –OR– General Biology with Lab	**6**
PHYS 121	General Engineering Physics I	**6**
PHYS 122	General Engineering Physics II	**6**
WRITTEN COMMUNICATION		**10**
ENGL & 101	English Composition I	**5**
ENGL 201 –OR– ENGL & 235	The Research Paper –OR– Technical Writing	**5**
AREAS OF KNOWLEDGE		**30**
Humanities		**15**
Social Sciences		**15**
Cultural Diversity Requirement	See BC website for complete list of courses	
CS CORE COURSES		**57**
CS 19X–CS 210	Special Topics in Computer Science	**1**
CS 19X–CS 211	Special Topics in Computer Science	**1**
CS 210	Fundamentals of Computer Science I	**5**
CS 211	Fundamentals of Computer Science II	**5**
CS 300	Data Structures	**5**
CS 320	Programming Languages	**5**
CS 331	Database Systems	**5**
CS 351	Computer Architecture I	**5**
CS 360	Operating Systems	**5**
CS 401	Algorithms	**5**
CS 410	Software Engineering	**5**
CS 481	Senior Capstone	**3**
CS 482	Senior Capstone	**4**
CS 483	Senior Capstone	**3**
CS Technical Electives		**15**
Free Electives		**20**
GRAND TOTAL		**180**