

# Computer Science Graduation Requirements

University of Washington

The graduation requirements shown below are subject to change.

For more information, see the Undergraduate Handbook, available online at  
[http://www.cs.washington.edu/education/ugrad/current/degree\\_requirements.html](http://www.cs.washington.edu/education/ugrad/current/degree_requirements.html)

## General Education Component

### Language Skills (5-20 credits)

- \*English Composition (5)
- Foreign Language through 3<sup>rd</sup> quarter (0-15)

### Reasoning and Writing in Context (15 credits)

- Quantitative/symbolic reasoning (5)
- Writing across the curriculum (W courses) and/or additional composition (10)

Note: These courses may double count as Areas of Knowledge requirements. All students will meet the Quantitative/symbolic reasoning requirement via MATH124 or 134 as required below.

### Areas of Knowledge (75 credits)

- Visual, Literary, and Performing Arts (20)
- Individuals and Societies (20)
- The Natural World (20)
- Additional coursework (15)

Note: For most students, the Math & Science Component plus CSE142 & 143 will completely satisfy the "Natural World" and "Additional Coursework" requirements.

## Mathematics & Science Component

### Mathematics (15-18 credits)

- \*MATH 124, 125, 126 or 134, 135, 136 (honors) (15)  
Calculus with Analytical Geometry
- MATH 308 or 318 (waived if 136 taken) (3)

### Natural Science (10 credits)

- \*PHYS 121, CHEM 142, BIOL 180, or any course (5)  
from the list of approved natural science courses in the CSE Handbook.
- Five additional credits of natural science (5)  
from the approved list

## Computer Science Component

### Required (29 credits)

- \*CSE 142 Computer Programming I (4)
- \*CSE 143 Computer Programming II (5)
- CSE 311 Foundations of Computing I (4)
- CSE 312 Foundations of Computing II (4)
- CSE 331 Software Design & Implementation (4)
- CSE 332 Programming Abstractions (4)
- CSE 351 The Hardware/Software Interface (4)

### CSE Electives (33 credits)

Select at least 33 additional credits from courses on the approved CSE Electives list in the CSE Handbook, including at least

- 6 courses from the CSE Core Courses list in (18-24)  
the CSE Handbook of which 4 courses must  
be CSE 400-level courses
- Either 1 additional course from the CSE Core Courses (3-5)  
list or 1 course from the CSE Capstone list in  
the CSE Handbook

### Free Electives to bring total credits up to the 180 required for graduation (20-45 credits)

The minimum grade required for math, science, language, reasoning and writing in context, CSE Electives and Computer Science required coursework is a 2.0. A student's cumulative GPA must not fall below a 2.0.

**\* Denotes prerequisites (must be fully completed before application date). Regardless of AP credit, at least one calculus or post-calculus math course and one approved natural science course must be completed prior to applying to the department.**