

# Computer Science Graduation Requirements

University of Washington

The graduation requirements shown below are subject to change.

For more information, see the CSE undergraduate webpages at  
<http://www.cs.washington.edu/education/ugrad/>

## 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 on the CSE website.
- 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)

### CS Senior Electives (33 credits)

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

- 6 courses from the CSE Core Courses list of (18-24)  
which 4 courses must be CSE 400-level courses
- Either 1 additional course from the CSE Core (3-5)  
Courses list or 1 course from the CSE  
Capstone list on the CSE website
- Additional courses from either the CSE (4-12)  
Core Courses list or the CSE Elective list  
to bring total CSE Elective credits to 33

### 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). Students who meet the science prerequisites with AP credit are strongly encouraged to take an approved science course at UW prior to applying to the department.**