# 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/students/ugrad/degree_requirements/](http://www.cs.washington.edu/students/ugrad/degree_requirements/)

## General Education Component

### Language Skills (5-20 credits)
- *English Composition* (5)
- Foreign Language through 3rd quarter (0-15)

### Diversity Requirement (3 credits)
- UW Diversity Requirement (may overlap with Areas of Knowledge Requirement) (3)

### Reasoning and Writing in Context (15 credits)
- Quantitative/symbolic reasoning (5)
- UW approved writing course (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)
- MATH 208 (waived if 136 taken) (3)

### Natural Science (10 credits)
- *PHYS 121 (or PHYS 141), CHEM 142 (or CHEM 145), BIOL 180,* or any course from the list of [approved natural science courses](#) on the Allen School website
- Five additional credits of natural science (5)

### 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 Data 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
- Four, 400-level courses from the **CSE Core Courses** (12-16)
- Two additional **CSE Core Courses** (300 or 400 level) (6-8)
- Either 1 additional course from the CSE Core Courses list or 1 course from the CSE Capstone list on the CSE website (3-5)
- Additional courses from either the CSE Core Courses list or the CSE Elective list (4-12)

### Free Electives to bring total credits up to the 180 required for graduation (20-45 credits)
A student’s cumulative GPA must not fall below a 2.0.

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