

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/

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)
Calculus with Analytical Geometry
- MATH 308 (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 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](#) to bring total CSE Elective credits to 33 (4-12)

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.