# 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 [https://www.cs.washington.edu/academics/ugrad/current-students/degree](https://www.cs.washington.edu/academics/ugrad/current-students/degree)

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## 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 (3)

Note: These credits may overlap with other requirements.

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

- Reasoning (5)
- UW approved writing courses (W courses) or additional composition courses (10)

Note: These credits may overlap with other requirements. Required courses in CSE and MATH fulfill the Reasoning requirement.

### Areas of Inquiry (75 credits)

- Arts & Humanities (20)
- Social Sciences (20)
- Natural Sciences (20)
- Additional coursework (15)

Note: All Mathematics & Science courses below (20-23 credits) as well as CSE 121, 122, and 123 (up to 12 credits) count toward the 20 credits of Natural Sciences and 15 credits of 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 208 (waived if MATH 136 taken)* (3)

### Natural Science (5 credits)

- *One course from the list of approved Natural Science courses* (5)

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## Computer Science Component

### Fundamentals (24-25 credits)

- *CSE 123 Intro to Computer Programming III* (4)
  - OR
- *CSE 143 Computer Programming II* (5)
- CSE 311 Foundations of Computing I (4)
- CSE 312 Foundations of Computing II (4)
- CSE 331 Software Design and Implementation (4)
- CSE 332 Data Structures and Parallelism (4)
- CSE 351 The Hardware/Software Interface (4)

### Core and Electives (33 credits)

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 list (12-16)
- Two additional CSE Core Courses (300 or 400 level) (6-8)
- Either 1 additional CSE Core Course or 1 course from the CSE Capstone list (3-5)
- Additional courses from either the CSE Core Courses list or the CSE Elective list (4-12)

Note: A student's cumulative GPA must not fall below a 2.0.

*Denotes prerequisites that must be fully completed before applying to the major. This does not apply to direct-to-major freshmen applicants.

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**Free Electives to bring total credits up to the 180 required for graduation**

Note: A student's cumulative GPA must not fall below a 2.0.

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