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/admission

General Education Component

<table>
<thead>
<tr>
<th>Language Skills (5-20 credits)</th>
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<tr>
<td>*English Composition (5)</td>
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<tr>
<td>Foreign Language through 3rd quarter (0-15)</td>
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</tbody>
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Reasoning and Writing in Context (15 credits)

These courses may double count as Areas of Knowledge requirements.

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

Areas of Knowledge (75 credits)

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

Note: Courses taken for the Math & Science Component may be used to satisfy the Natural World and additional coursework in the Areas of Knowledge requirements.

Mathematics & Science Component

<table>
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<tr>
<th>Mathematics (19-22 credits)</th>
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<tr>
<td>*Math 124, 125, 126 or 134, 135, 136 (15)</td>
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<tr>
<td>Calculus with Analytical Geometry</td>
</tr>
<tr>
<td>Math 308 or 318 (waived if 136 is taken) (3)</td>
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<tr>
<td>Stat 390 or 391 Prob/Stat for Engr or CS (4)</td>
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<tr>
<th>Natural Science (10 credits)</th>
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<tr>
<td>*Physics 121 or Chem 142 or any course from the list of approved natural science courses in the CSE Undergraduate Handbook (5)</td>
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<tr>
<td>Five additional credits of natural science from the approved list (5)</td>
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</table>

Computer Science Component

Required (32 credits)

- *CSE 142 Computer Programming I (4) |
- *CSE 143 Computer Programming II (5) |
- CSE 321 Discrete Structures (4) |
- CSE 322 Intro to Formal Models (3) |
- CSE 326 Data Structures (4) |
- CSE 341 Programming Languages (4) |
- CSE 370 Intro to Digital Design (4) |
- CSE 378 Machine Org & Assembly Lang. (4) |

Senior Electives (23 credits)

Select at least 23 credits from courses on the approved senior elective course list in the CSE Handbook, including at least four courses from the following.

- CSE 401 Intro to Compiler Construction (3) |
- CSE 403 Software Engineering (4) |
- CSE 421 Intro to Analysis of Algorithms (3) |
- CSE 431 Intro to Complexity (3) |
- CSE 444 Intro to Database Systems (3) |
- CSE 451 Intro to Operating Systems (4) |
- CSE 455 Computer Vision (4) |
- CSE 457 Computer Graphics (4) |
- CSE 461 Computer Networks (4) |
- CSE 471 Computer Design and Org (4) |
- CSE 473 Artificial Intelligence (3) |

Free Electives to bring total credits up to the 180 required for graduation (30-45 credits)

The minimum acceptable grade for any required or elective CSE course is 2.0. A student’s overall 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.