



Computer Engineering Graduation Requirements

University of Washington
<https://cs.washington.edu>

Requirement Sheet Key

- ◆ = Admission Requirements

Mathematics (>15 Credits)

- ◆ MATH 124 (5cr) - Calculus I
- ◆ MATH 125 (5cr) - Calculus II
- ◆ MATH 126 (5cr) - Calculus III

Note: Math 124 sequence may substitute 134 Honors sequence

Math 308 (3cr) - Matrix Algebra

3-6 additional credits of math (to bring total math/science credits to 41) from the following:
STAT 391 (4cr) - Quant. Intro. Stats. for Data Sci.
STAT 394 (3cr) - Probability I
MATH 307 (3cr) - Intro to Differential Equations
MATH 309 (3cr) - Linear Analysis
MATH 334 (5cr) - Accl. Adv. Calculus [Honors]
MATH 335 (5cr) - Accl. Adv. Calculus [Honors]
AMATH 351 (3cr) - Intro. to Diff. Eq. & Appl.
AMATH 353 (3cr) - Partial Diff. Eq. & Waves

Natural Sciences (>20 Credits)

- ◆ PHYS 121 (5cr) - Mechanics with Lab
 - ◆ PHYS 122 (5cr) - Electromagnetism with Lab
- 10 additional credits from approved list on CSE website

3-6 additional credits of science (to bring total math/science credits to 41) from approved list

Written & Oral Communications (12 Credits)

- ◆ English Comp (5cr) - English Composition
- ENGR 231 (3cr) - Intro to Technical Writing
Approved UW Writing or Composition course (4cr)

Visual, Literary & Performing Arts/ Individuals & Society (VLPA/I&S) (30 Credits)

Minimum of 10 credits of VLPA
Minimum of 10 credits of I&S
10 additional credits of VLPA or I&S
3 Credits of Diversity (DIV)
(DIV can overlap with VLPA or I&S)

CompE Core Courses (36 Credits)

- ◆ CSE 142 (4cr) - Computer Programming I
 - ◆ CSE 143 (5cr) - Computer Programming II
- CSE 311 (4cr) - Foundations of Computing I
CSE 312 (4cr) - Foundations of Computing II
CSE 332 (4cr) - Data Abstractions
EE 205 (4cr) - Intro. to Signal Conditioning
-OR-
EE 215 (4cr) - Fundamentals of Electrical Engineering
CSE 351 (4cr) - The Hardware/Software Interface
CSE 369 (2cr) - Introduction to Digital Design
CSE/EE 371 (5cr) - Design of Digital Circuits & Systems

CompE Senior Electives (36 Credits)

Select enough additional credits from the lists of approved courses online, including at least:

One of the following:

- CSE 403 (4cr) - Software Engineering
- CSE/EE 474 (4cr) - Intro. to Embedded Sys.
- CSE 484 (4cr) - Computer Security

3 additional courses from CompE Systems Electives list (12-15cr)

2 additional courses from CSE Core Courses list on website (6-10cr)

Design Capstone course from approved list (5cr)

College of Engr. courses from CSE elective list (4cr)

Additional courses from CSE Electives list to bring total CSE electives to 36 credits.

Engineering Credits (varies)

Additional Engineering credits to bring the total Engineering credits to 36, not including the required section above. (0-5 credits)

Free Electives (varies)

Additional coursework in any subject area not used elsewhere in degree.

Total Credits Required for Graduation (180 Credits)

Application Deadlines

February 1st and July 1st