Human Centered Design and Engineering Graduation Requirements
University of Washington
www.hcde.washington.edu

Admission Requirements

Mathematics (5 Credits Min.)
◆ Minimum 5 credits of math: MATH 120 or MATH 124

Statistics (4 credit Min.)
◆ Minimum one class (4 credits) of statistics: STAT 220, STAT 221, STAT 311, STAT 390, QSCI 190, QSCI 381, QMETH 201.

Sciences (8 Credits Min.)
◆ Minimum two classes (8 credits) of science: BIOL 118, BIOL 180, BIO A 201, CHEM 142, CHEM 152, PHYS 114, PHYS 115, PHYS 121, PHYS 122, or PSYCH 202.

English (5 Credits Min.)
◆ Minimum of 5 credits of first-year composition: ENGL 109/110, ENGL 111, ENGL 121, ENGL 131, or ENGL 281.

Programming (4 Credits Min.)
◆ Minimum of 4 credits of programming: CSE 140 or CSE 142.

Minimum Admission Requirements
Minimum 2.00 cumulative GPA

Application Deadlines
Upper Division Admission – February 1st or July 1st
All courses must be completed before application deadlines.

Graduation Requirements

Engineering Fundamentals (12 Credits)
At least one of the following courses:
CSE 142 (4cr) – Computer Programming I
-or-
PHIL 120 (5cr) – Introduction to Logic

Courses from the following to total 7-8 credits:
AA 210; CSE 143; CIV E 220; EE 215; IND E 250; IS 300; ME 123; ME 230; MSE 170; HCDE 496*

Written and Oral Communication (8 Credits)
5 credits of English Comp from the University list and HCDE 231

Visual, Literary & Performing Arts/ Individuals & Society (VLPA/I&S) (30 Credits)
Minimum 10 credits in VLPA required.
Minimum 10 credits in I&S required.
Remaining 10 credits can be either VLPA or I&S.

Natural World (50 Credits)
Minimum 15 credits in Mathematics.
Minimum 15 credits in Science.

HCDE Core Courses (46 Credits)
HCDE 300 (5cr) – Foundations of HCDE
HCDE 301 (5cr) – Written Communication in HCDE
HCDE 308 (5cr) – Visual Communication in HCDE
HCDE 310 (5cr) – Interactive Systems Design and Tech
HCDE 313 (5cr) – Introduction to User Research
HCDE 318 (5cr) – Introduction to User-Centered Design
HCDE 321 (2cr) – Portfolio
HCDE 322 (2cr) – Organizational Teamwork
HCDE 492 (2cr) – Capstone Planning
HCDE 493 (5cr) – Senior Capstone Project
HCDE 495 (3cr min.) – Prof. Practice/Internship
HCDE 496 (2cr) – Directed Research in HCDE
*HCDE 496 can be taken for up to 4 credits

HCDE Electives (25-29 Credits)
Additional courses chosen from approved electives, please see HCDE website or advisor for course list.

Free Electives (5 Credits)

Total Credits Required for Graduation (180 Credits)
<table>
<thead>
<tr>
<th>Freshman – Autumn Quarter</th>
<th>Freshman – Winter Quarter</th>
<th>Freshman – Spring Quarter</th>
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<tbody>
<tr>
<td>ENGL 131 – English Composition</td>
<td>Approved Math</td>
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<td>Approved Engineering Fundamental</td>
<td>Approved Science</td>
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<td>Approved Science</td>
<td>VLP A'I&amp;S</td>
<td>Com 220 – Intro to Public Speaking</td>
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<th>Sophomore – Autumn Quarter</th>
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<tr>
<td>HCDE 231 – Intro Tech Writing</td>
<td>Approved Math</td>
<td>CSE 142 – Computer Programming</td>
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<td>Approved Math/Science</td>
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<tr>
<td>HCDE 301 – Written Com. In HCDE</td>
<td>HCDE 313 – Intro to User Research</td>
<td>HCDE Elective</td>
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<td>Quarter Total</td>
<td>HCDE 321 – Portfolio</td>
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<tr>
<td>HCDE Elective</td>
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<td>HCDE 493 – Senior Capstone</td>
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<tr>
<td>Engineering Fundamentals</td>
<td>HCDE Elective</td>
<td>HCDE 495 - Internship</td>
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<tr>
<td>VLP A'I&amp;S</td>
<td>HCDE Elective</td>
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<tr>
<td>HCDE 322 – Org. Teamwork</td>
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See HCDE advising for approved math/science, technical electives and HCDE electives

For more information contact:
Engineering Advising
Office: 301 Loew Hall
University of Washington, Box 352180, Seattle, WA 98195-2180
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-or-

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