Put people first, students in Human Centered Design & Engineering (HCDE) research, design, and engineer interactions between humans and technology. The HCDE undergraduate program provides a solid foundation in conducting user research, designing user experiences, creating information visualizations, and designing and building web technologies.

**APPLICATION MATERIALS**
- Complete prerequisite courses
- Personal statement
- Application
  - Application is available online two weeks before the deadline

**CONTACT US**
- hcde.uw.edu
- hcde@uw.edu
- 428 Sieg Hall, UW Seattle
- hcdeUW
- hcde.UW
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- bit.ly/hcde-youtube

**CAREERS**
Graduates of HCDE receive engineering degrees and find jobs as user experience (UX) researchers and designers, product managers, usability evaluators, information architects, interaction and product designers, program managers, web and information developers, and more.

**INDUSTRIES**
Located at the University of Washington in Seattle, HCDE students have access to Amazon, Microsoft, Google, Facebook, Boeing, and other prominent corporations located in the Pacific Northwest. 
HCDE students complete 46 credits of required core courses, 12 credits of engineering fundamentals, and 25–29 credits of elective courses in research, design, and engineering. The elective coursework allows students to create a specialization targeted to their professional and academic goals.

ADMISSION REQUIREMENTS

MATHEMATICS

Two classes from:

MATH 120  MATH 125
MATH 124  MATH 126

STATISTICS

One class from:

STAT 220  CS&SS 221
STAT 221  STAT 311
SOC 221  IND E 315

SCIENCES

Three classes from:

BIOL 118  PHYS 115
BIOL 180  PHYS 121
CHEM 142  PHYS 122
CHEM 152  PSYCH 202
PHYS 114

For Spring 2019 and Autumn 2019, one science course can be in progress

ENGLISH

Minimum of 5 credits of first-year composition.

PROGRAMMING

Minimum of 4 credits of programming:
CSE 142 or CSE 160

Minimum admission requirements
Does not apply for Direct to College students

Minimum 2.00 cumulative GPA
All courses must be completed before January 15 or April 5 application deadlines, with the exception of one science class that can be in progress.

GRADUATION REQUIREMENTS

ENGINEERING FUNDAMENTALS  12 Credits

AA 210  CSE 160
AA 260  EE 215
CEE 220  IND E 250
CSE 142  IS 300
CSE 143  M E 123

MATH 125  MATH 126

ENGINEERING CORE COURSES

HCDE 300 (5 cr) – Foundations of HCDE
HCDE 301 (5 cr) – Written Communication in HCDE
HCDE 308 (5 cr) – Visual Communication in HCDE
HCDE 310 (5 cr) – Interactive Systems Design and Tech
HCDE 313 (5 cr) – Introduction to User Research
HCDE 318 (5 cr) – Introduction to User-Centered Design
HCDE 321 (2 cr) – Portfolio
HCDE 322 (2 cr) – Organizational Teamwork
HCDE 492 (2 cr) – Capstone Planning
HCDE 493 (5 cr) – Senior Capstone Project
HCDE 495 (3 cr) – Prof. Practice/Internship
HCDE 496 (2 cr) – Directed Research in HCDE

HCDE ELECTIVES  24–25 Credits

Additional courses chosen from approved electives, please see HCDE website or adviser for course list.

FREE ELECTIVES  9–10 Credits

Total credits required for graduation: 180 credits