



Human Centered Design and Engineering Graduation Requirements

University of Washington
www.hcde.washington.edu

Mathematics/Statistics (15 Credits Min.)

Courses from the following to total at least 15 credits:

- Math 112, 120, 124, 125, 126, 144, 145, 146, 170, 171 or any 300+ level course
- STAT 220, 311, or higher
- QMETH 201
- QSCI 291, 292, 381
- EDPSY 490

Sciences (15 Credits Min.)

Courses from the following to total at least 15 credits:

- ASTR 301, 321, 322, 323, 423, 480, 481
- ATM S 301, 321, 358, 370, 451, 452, 458, 460, 480
- BIOL 117, 118, 161-162, 180, 200, 220, any 300/400 level courses
- BIOL STR 300/400 level courses
- CHEM 120, 142, 145, 152, 155, 162, 165, 220, 221, 223, 224, 237, 238, 239, 241, 242, or any 300/400 level courses
- ENVIR 200, 300, or any courses 300/400 level courses
- ESS 210, 212, 213, 313, or any 400 level courses
- GENOME 371
- GEOG 205
- MICRO 300/400 level courses
- PHYS 114, 115, 116, 117, 118, 119, 121, 122, 123, 224 & higher
- PSYCH 202

Written & Oral Communications (13 Credits)

- ◆ English Comp (5cr) – English Composition
 - ◆ HCDE 231 (3cr) – Intro to Technical Writing [pr: Engl. Comp]
 - HCDE 333 (4cr) – Adv. Tech Writing [pr: HCDE 231]
- One additional course from above or from the following:**
ENGL 283, 284, 381, 382, 383, 384, 481, 483, 484, 485, 486
B CMU 301
COM 220, 301

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

Minimum 10 credits in VLPA required.

Minimum 10 credits in I&S required.

Remaining 10 credits can be either VLPA or I&S.

Technical/Analytical Courses (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:

ENGR 100; ME 123, 230; MSE 170; AA 101, 210; EE 215;
CEE 220; IND E 250; AA 260; IS 300; CSE 143; HCDE 496

HCDE Core Courses (43 Credits)

HCDE 310 (5cr) – Intro to Communication Design
HCDE 400 (5cr) – Scientific & Technical Communication
HCDE 403 (3cr) – Project Management
HCDE 411 (5cr) – Visuals in Technical Communication
HCDE 437 (5cr) – Interactive Multimedia [pr: HCDE 411]
HCDE 493 (5cr) – Senior Study
HCDE 495 (3 min, max 10) – Prof. Practice/Internship
HCDE 496 (2 min, max 8) – Directed Research
Internship credits in excess of the 3-credit minimum may be applied to the Approved Electives requirement.

HCDE Degree Options (27 Credits)

Human-Computer Interaction

4 courses from an interdisciplinary list plus 7-9 approved elective credits

Technical Communication

HCDE 401, 3 additional HCDE courses, plus 7-10 approved elective credits

Individualized Course of Study

2 additional HCDE courses plus 12-21 approved elective Credits

For information on the degree options and individualized course of study, please visit the HCDE website.

Free Electives (5 Credits)

Total Credits Required for Graduation (180 Credits)

Minimum Admission Requirements

1. 13 approved Written & Oral Communication credits.
 2. 10 approved Math or Statistics credits.
 3. 15 approved Natural Science credits.
- Minimum 2.00 overall GPA, and 3.00 GPA for 13 Written & Oral Communication credits.

Application Deadlines

Upper Division Admission – February 1st or July 1st

Last revised July 2011



Human Centered Design and Engineering Sample Curriculum

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Freshman – Autumn Quarter		Freshman – Winter Quarter		Freshman – Spring Quarter	
◆ ENGL 131 – English Composition	5	Approved Math	5	Approved Math	5
Approved Technical/Analytical	5	Approved Science	5	Approved Science	5
Approved Science	5	VLPA/I&S	5	Com 220 – Intro to Public Speaking	5
Quarter Total	15	Quarter Total	15	Quarter Total	15

Sophomore – Autumn Quarter		Sophomore – Winter Quarter		Sophomore – Spring Quarter	
◆ HCDE 231 – Intro Tech Writing	3	Approved Math	5	*CSE 142 –Computer Programming	4
Approved Math/Science	5	Approved Science	5	Approved Math/Science	5
VLPA/I&S	5	VLPA/I&S	5	VLPA/I&S	5
Free Elective	2			Free Elective	1
Quarter Total	15	Quarter Total	15	Quarter Total	15

Junior – Autumn Quarter		Junior – Winter Quarter		Junior – Spring Quarter	
HCDE 310 – Intro to Comm Design	5	HCDE 411 – Visual Media	5	HCDE 403 – Project Management	3
HCDE 400 – Sci &Tech Writing	5	HCDE 437 - Web Design & Pub	5	HCDE Elective (HCI, TC, or IndE)	5
HCDE 418 – User-Exp. Design	5	Approved Math	5	HCDE 417 – Usability Testing	5
Quarter Total	15	Quarter Total	15	HCDE 496 – Directed Research	2
				Quarter Total	15

Senior – Autumn Quarter		Senior – Winter Quarter		Senior – Spring Quarter	
HCDE Elective (HCI, TC, or IndE)	5	HCDE Elective (HCI, TC, or IndE)	5	HCDE 493 – Senior Study	5
Technical/Analytical	3	HCDE Elective (HCI, TC, or IndE)	5	HCDE 495 - Internship	3
VLPA/I&S	5	VLPA/I&S	5	HCDE Elective (HCI, TC, or IndE)	5
Free Elective	2			HCDE Elective (HCI, TC, or IndE)	2
Quarter Total	15	Quarter Total	15	Quarter Total	15

Bold face courses are required for upper-division admission

*CSE 142 may be substituted with Phil 120 – Intro to Logic

See HCDE advising for approved math/science, technical electives and HCDE electives

For more information contact:

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