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## HCI Degree Option

The Human-Computer Interaction (HCI) degree option is part of the Bachelor of Science in Human Centered Design & Engineering (BSHCDE) degree program. All students interested in pursuing the HCI degree option within the BSHCDE should contact their academic adviser.



## What is Human-Computer Interaction?

HCI is a new and developing field. According to the Association for Computing Machinery (ACM), Human-Computer Interaction is a discipline concerned with the design, evaluation, and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them. HCI is necessarily a multidisciplinary field, incorporating facets of information science, computer science, design, and technical communication among other fields. The University of Washington is becoming a global leader in this exciting new area.

The UW has exceptional faculty collaborating on world-class research in HCI and that collaboration extends directly to students in the classroom. Students who complete coursework in this area will obtain first-class academic preparation in a variety of different forms and get official recognition for this work.

Students interested in HCI can complete the official HCI option with coursework from four participating departments: Human Centered Design & Engineering, Computer Science & Engineering, the Division of Design within the School of Art, and The Information School. Students choose from these departments based on the following requirements.

## Requirements for the HCI Degree Option

Minimum of four courses from the list below (19–23 credits):

1. Take at least one course in **HCI Foundations**.
2. Take three courses from at least two of the four **HCI Course Areas**. At least one of these three courses must be from a participating department besides HCDE.
  1. [User Interface, Software, and Technology](#)
  2. [Design](#)
  3. [Usability and User Research](#)
  4. [Social and Ethical Dimensions](#)

## HCI Foundations

## Contact HCDE Undergraduate Advising

hcde-advugrad@uw.edu  
(206) 543-2567  
428 Sieg Hall

## Upcoming Deadlines

**BS Application**  
Summer Deadline **CLOSED**  
Next Deadline Sunday, Feb 1, 2015  
[Admissions FAQs](#)  
[Program Overview](#)

## Stay Informed

Sign up for notifications about academic programs, upcoming events, and general department information.

[University of Washington Privacy Policy](#)

- ART 383 Introduction to Interaction Design (5)
- CSE 440 Introduction to HCI: User Interface Design, Prototyping, and Evaluation (5)
- HCDE 419 Concepts in Human-Computer Interaction (5)

## HCI Course Areas

### User Interface, Software, and Technology

- CSE 441 Advanced HCI: Advanced User Interface Design, Prototyping, and Evaluation (5)
- INFO 343 Web Technologies (5) or CSE 154: Web Programming (5)
- INFO 344 Web Tools and Development (5)
- HCDE 438 Web Technologies (5)
- INFO 463 Input and Interaction (5)

### Design

- ART 483 Fundamentals in Interface Design (5)
- ART 484 Advanced Projects in Interaction Design (5)
- INFO 424 Information Visualization and Aesthetics (5)
- HCDE 455 User Interface Design (4)
- INFO 461 Cooperative Aspects of User Centered Design (5)

### Usability and User Research

- INFO 310 Individual Perspectives on Information Systems (5)
- HCDE 407 Software User Assistance (5)

### Social and Ethical Dimensions

- INFO 444 Value Sensitive Design (5)
- INFO 447 Computer Supported Cooperative Work (5)

The following courses may be approved within any of the course areas on an individual and per-course basis, depending on the topic matter and its suitability to a course area within the HCI option.

- INFO 498 Special Topics in Informatics
- HCDE 496 Directed Research in Human Centered Design & Engineering

#### About Us

Why Human Centered Design & Engineering?  
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#### Resources & Policies

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#### Careers & Internships

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Alumni Resources

**Research & Labs**

- Department Research Areas
- Directed Research Groups
- Research Labs & Centers
- Research with Human Subjects
- Become a Research Sponsor








**News & Events**

- HCDE News
- HCDE Community Calendar
- HCDE Blog
- Graduation Ceremonies
- Shobe Prize
- Current Issues in HCDE Seminar
- UX Speaker Series
- World Usability Day
- Explorations Publication
- Designing Up Newsletter
- re: Design Publication

**People**

- Faculty
- Staff
- Instructors
- Adjunct Faculty, Affiliate Faculty, and Research Staff
- PhD Students
- Alumni

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-  Twitter
-  Flickr
-  LinkedIn
-  YouTube
-  Instagram

**Comments or questions about the new site?**

Please send an email to our webmaster.