Master of Science in Human-Computer Interaction Program Checklist

This guide is intended to help students in the Master of Science in Human-Computer Interaction (HCIM) program navigate course planning. Use the guide below to check program requirements and track your progress through your degree.

1 Core Curriculum

A Core Courses
- INST 630 - Introduction to Programming for Information Professionals
  If waived, substituted: ____________________________
  Want to waive?
- INST 631 - Fundamentals of Human-Computer Interaction (Fall Only)
  If waived, substituted: ____________________________
- INST 632 - HCI Design Methods (Spring Only)

B Research Methods Requirement
- It is recommended that students fulfill this requirement in their first year of coursework.
- This requirement was fulfilled with:
  - INST 701 - Introduction to Research Methods (Fall Only)
  - INST 808 - Seminar in Research Methods and Data Analysis (Spring Only)
  Other, please specify: ____________________________

C Internship
- INST 717 - Internship Practicum in Human-Computer Interaction (Summer Only)
  If waived, substituted: ____________________________
  Want to waive?
Electives

Electives Selected

Students may choose from the electives suggested below, or select other electives, provided they are relevant to the course of study.

☐ Elective 1: ____________________________________________

☐ Elective 2: ____________________________________________

☐ Elective 3: ____________________________________________

Suggested Electives

Students may take most electives with an INST, INFM or LBSC prefix, provided they meet relevant prerequisites. Some electives that may be of interest include:

Fall 2017 Electives

- INFM 743 - Development of Internet Applications
- INFM 747 - Web Enabled Databases
- INST 627 - Data Analytics for Info. Professionals
- INST 728K - Consumer Health Informatics
- INST 733 - Database Design
- INST 735 - Computational Linguistics I
- INST 737 - Introduction to Data Science
- INST 760 - Data Visualization

Spring 2017 Electives

- INFM 700 - Information Architecture
- INST 627 - Data Analytics for Info. Professionals
- INST 702 - Advanced Usability Testing
- INST 704 - Inclusive Design in HCI
- INST 733 - Database Design
- INST 736 - Computational Linguistics II
- INST 737 - Introduction to Data Science
- INST 741 - Social Computer Technologies and Applications
- INST 762 - Visual Analytics

Summer 2018 Electives + Beyond

- INST 611 - Privacy and Security in a Networked World
- INST 633 - Analyzing Social Networks and Social Media
- INST 652 - Design Thinking and Youth
- INST 728D - Interaction Design
- INST 728O - Type and Design

Outside the iSchool

Students are encouraged to explore electives offered outside the iSchool, though they are responsible for obtaining permission from the instructor and host department, and obtaining approval from the iSchool. Some non-iSchool electives that may be of interest include:

- GOEG 788Q - Studying Social Networks: Theory, Methods, and Analysis
- GOEG 788Z - Topics in Data Visualization with Processing and Applications in R
- JOUR 652 - Interactive Design and Development
- PSYC 779A - Seminar in Cyberpsychology

Thesis/Capstone

Thesis

☐ INST 799 - Master's Thesis (3 credits)

☐ INST 799 - Master's Thesis (3 credits)

6 credits of thesis must be completed consecutively in the student's final year.

Capstone

☐ INST 775 - Capstone Prep (Fall Only)

☐ INST 776 - Capstone (Spring Only)

Capstone courses must be completed consecutively in the student's final year.
Can I Waive This Course?

Students may request to waive INST 630, INST 631, and INST 717 if they have relevant academic or professional experience.

To waive INST 630, a student must have completed a year or more of coursework in programming (such as JavaScript, Python, Java, SQL), or have worked for a year or more in a position in which they regularly work with similar programming languages.

To waive INST 631, a student must have completed a year or more of coursework in HCI (including UX design, interaction design, usability testing, etc), or have worked for a year or more in a position in which they regularly do user experience design or perform some similar role.

To waive INST 717, a student must have two or more years of continuous full-time HCI-relevant work experience, including usability analysis and testing, interaction design, user interface design, and user experience design. This experience should also include some large project management, collaborative team work, and active leadership.

How Do I Waive A Course?

To waive a course, students should submit the following materials via the form linked below:

- 1-page Waiver Explanation

- Unofficial Transcript (for prior academic experience)

- Resume/CV (for prior professional experience)

- Employer Letter (for INST 717)

Please allow 2 - 4 weeks for review.

To submit a waiver request, please complete the HCIM Course Waiver Form: https://ischool.umd.edu/forms/hcimcoursewaiver

Questions?

If you have any questions, please email hcim@umd.edu

Go Terps!