Master of Science in

Human Factors in Information Design

At Bentley University, we believe that a human-centered process improves all that we design and create. In our MSHFID program, you'll gain a deep understanding of human behavior through research that informs today's design trends, and a keen appreciation for the strategic role of UX in building competitive advantage for your organization.

You'll tackle real research and design problems sponsored by leading tech companies, sharpening your skills and building your portfolio. And, by mastering emerging technologies such as VR/AR, voice interaction, IoT, wearables, and behavioral design, you'll set yourself up with a strong and diverse portfolio of skills and a career that's future proof.

Program Features

- Learn about human behavior relative to product design, universal accessibility, minimal design, usability and the user experience.

- Master UX research methods, including ethnography, field research, interviews, survey design, and formative and summative usability testing.

- Become adept at moving quickly from research and data to innovative design solutions.

- Gain a firm grounding in business strategy that embraces the critical role of UX in adding value for organizations of every kind.

- Study here at Bentley, online from a home or office, at our San Francisco satellite campus, or a combination of the three.

Experiential Learning

The campus-based User Experience Center (UXC) is the hands-on research centerpiece of the MSHFID program. Its full-time staff of UX professionals provide consulting services to corporate and nonprofit clients around the globe. Graduate students accepted to the Department Assistantship program receive financial support and gain valuable experience by working in the UXC on client projects. Many clients return to recruit our students for their expertise.

Career Outcomes

Our program emphasizes the strategic role of UX in enhancing an organization's competitive advantage. As a result, Bentley graduates routinely land senior-level positions at top companies across the country and around the world. Some initial job titles of our graduates are:

- UX researcher

- Interaction designer

- UX designer

- Human Factors engineer

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Curriculum

Admission to MSHFID program requires a Bachelor of Science in communication or engineering; a Bachelor of Arts in new media, design or psychology; or permission from the program director. Candidates should have relevant experience in design, software, mobile or hardware development; industrial design; information architecture; interaction design; front-end development; product management; social media or usability testing. Three years of experience is recommended.

Core (3 courses)

HF 700 Foundations in Human Factors

HF 710 Managing a User-Centered Design Team
or
HF 725 UX Leadership and Management

HF 715 Innovation Bootcamp *(required of California online students only)*

HF 750 Testing and Assessment Programs

Human Factors Electives (5 courses)

Select five courses from the following:

HF 720 Localization and the Global Market

HF 730 Visualizing Information

HF 740 Information Architecture: User-Centered Design for the World Wide Web

HF 751 Measuring the User Experience

HF 760 Intelligent User Interfaces

HF 761 Mobile Design

HF 765 Emerging Interfaces

HF 766 Multi-Modal Interface Design

HF 770 Prototyping and Interaction Design

HF 780 Field Methods in Human Computer Interaction

HF 785 Ethnography for Experience Design

HF 790 Internship in HFID

HF 795 Research Methods in Human Factors

HF 800 User Experience Thesis

Non-Human Factors Electives (2 courses)

Select two courses from an approved business area such as:

CS 602 Data-Driven Development with Python

CS 603 Algorithmic Thinking with Java

CS 607 Cybersecurity

GBE 790 Global Business Experience

IPM 652 Managing with Analytics

MG 632 Leading Effective Work Teams

MG 646 Leading Technology-Based Organizations

MG 652 Strategic Innovation

ST 625 Quantitative Analysis for Business

For complete degree requirements and most up-to-date course options, visit **bentley.edu/graduate**.

bentley.edu/graduate/hfid

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