

MASTER OF SCIENCE IN HUMAN FACTORS IN INFORMATION DESIGN: CALIFORNIA AND ONLINE

Bentley's Human Factors in Information Design (HFID) graduate program is an accelerator for successful careers in user experience (UX) research and design, customer experience (CX), and product management.

Students master the world of experience design by exploring the digital, physical, virtual and augmented reality, multi-modal, generative AI, and haptic realms. To achieve this, students build a deep understanding of the human mind and behavior. This knowledge is then considered and applied to the experience design process: problem exploration, concepting, narrowing solutions, low-and high-fidelity prototyping, visual design, content strategy, and interactive design. Interwoven throughout is a human-centered approach where students master ethnography, observational work, interviews, and formative and summative usability testing as necessary inputs to creating experiences.

Upon program completion, students gain the skills to both contribute to and lead the creation of ethical, inclusive, world-ready products and experiences that deliver business and societal impact. Graduates with human-centered design skills are sought after by top organizations across a variety of industries, from cutting-edge tech startups, to consumer and medical industries, to the Fortune 500.

Curriculum

Course	Title	Credits
Required Courses		
HF 700	Foundations in Human Factors	3
HF 710 or HF 725	Managing the Experience Design Process ¹ User Experience Leadership and Management	3
HF 750	Testing and Assessment Programs	3
Select 5 Human Factors Electives		15
HF 720	Internationalization and World-Ready Product Design	
HF 730	Visualizing Information	
HF 735	Design Ethics	
HF 740	Information Architecture: User-Centered Design for the World Wide Web	
HF 751	Measuring the User Experience	
HF 755	Special Topics in Human-Computer Interaction (HCI)	
HF 760	Intelligent User Interfaces	
HF 766	Multimodal Experience Design	
HF 770	Prototyping and Interaction Design	
HF 775	Design Innovation	
HF 780	Qualitative Research: Theory to Practice	
HF 785	Ethnography for Experience Design	
HF 790	Internship in Human Factors in Information Design	
HF 799	Experimental Course in HF	
HF 795	Research Methods for Human Factors	

HF 800 User Experience Thesis

Select 2 Non-Human Factors Electives 6

After consultation with the MSHFID program director, select two graduate courses at the 600 level or higher.

Total Credits 30

¹ A student is permitted to take both HF 710 Managing the Experience Design Process and HF 725 User Experience Leadership and Management and count one as an elective.

Please note: All coursework must be completed within five years.

Please note: Successful completion of Bentley's UX continuing education certificate program with a grade of B or higher prior to the start of the Master of Science in Human Factors in Information Design program will be honored as 6 elective credits to the Master of Science in Human Factors in Information Design program.