Curriculum: Master of Science in Human Factors in Information Design (CA)

MASTER OF SCIENCE IN HUMAN FACTORS IN INFORMATION DESIGN
CALIFORNIA & ONLINE PROGRAM
Effective January 2022
(30 credits)

Required Courses (12 credits)

Course	Title	Prerequisite
HF 715	Innovation Boot Camp[1]	None
HF 700	Foundations in Human Factors	None
**HF 710 or	Managing a User Centered Design Team	None
**HF 725	User Experience Leadership and Management	None
HF 750	Testing and Assessment Programs	None

[1]This is an intensive one week "in residence" course generally offered prior to the beginning of the fall semester. Students must plan to enroll in this course before taking any other courses in the program. (Formerly titled User Experience Boot Camp)

HF Elective Courses (12 Credits)

Course	Title	Prerequisite
HF 720*	Localization and the Global Market	None
HF 730*	Visualizing Information	None
HF 740*	Information Architecture: User-Centered Design for the World Wide Web	None
HF 751	Measuring the User Experience	HF750
HF 755*	Special Topics in Human Computer Interactions (HCI)	None
HF 760*	Intelligent User Interfaces	None
HF 761	Mobile Design	None
HF 765	Emerging Interfaces	None
HF 770*	Prototyping and Interaction Design	None
HF 780	Field Methods in Human Computer Interaction	None
HF 785	Ethnography for Experience Design	None
HF 790	Internship in HFID	HF700 and HF750
HF 795	Research Methods in Human Factors	None
HF 800	User Experience Thesis	HF795 and Program Director Approval

Non-HF Elective Courses (6 Credits)

Select 2 of the following courses or with approval of the MSHFID Program Director any other graduate level course at the 600 level or higher.

Course	Title	Prerequisite
CS 602	Data-Driven Development with Python	None
CS 603	Object-Oriented Application Development	None
CS 607	Technology Infrastructure of Information Systems	None
CS 703	Looking into the Future: Automation & Digital Technologies	None
ENV 603	Employee Experience	None
GBE 790	Global Business Experience	Varies with each topic and trip
GR 602***	Business Process Management	IPM Department Chair Permission
GR 603***	Leading Responsibly	None
IDCC 711	Argumentation Strategies for Business	None
IPM 652	Managing with Analytics	None
MG 630	Emotionally Intelligent Leadership	None
MG 632	Leading Effective Work Teams	None
MG 635	Negotiating	None
MG 645	Leading Change	None
MG 646	Leading Technology-Based Organizations	None
MG 651	Project Management	None
MG 652	Strategic Innovation	None
MK 758	Enhancing Creativity	None
ST 625	Quantitative Analysis for Business	GR521
ST 635	Intermediate Statistical Modeling for Business	ST625

ADVISING GUIDANCE

- All course work must be completed within five years.
- All course prerequisites must be satisfied. Please note that the stated prerequisites of a course may also have a prerequisite that must be satisfied.
- Graduates from the Bentley Information Design Certificate program can transfer up to 6 graduate credits to the MSHFID as 2 of the *HF electives.
- **Students are required to take either HF 710 or HF 725. Students may take both HF 710 and HF 725 and count one as an HF elective.
- ***GR500 and GR600 level courses are designated on the course schedule as "D", "P", or "AL". The "D" section is reserved for students whose primary degree is Full-Time MBA and the "P" sections are reserved for all other MS and Part-Time MBA students. The "AL" section is reserved for Accelerated Online MBA students with a limited number of seats open to students in other programs.