

INFORMATION, MASTER OF SCIENCE (M.S.)

This is a 30-credit non-thesis master's degree, with no thesis option.

Degree requirements are categorized into four distinct sections:

Information Studies coursework (9 credits), Research Methods & Design coursework (9 credits), Specialized Area Courses (9 credits), and the Integrative Paper / Summative Assessment (3 credits).

Course	Title	Credits
Information Studies		
INST800	Pre-Candidacy Proseminar	3
INST801	Theoretical Foundations in Information Studies I	3
INST802	Theoretical Foundations in Information Studies II	3
Research Methods and Design		9
INST627	Foundations of Data Science	
INST633	Analyzing Social Networks and Social Media	
INST710	User Experience Research Methods	
INST725	Legal Research for Information Professionals	
INST735	Natural Language Processing	
INST737	Data Science Techniques	
INST808	Seminar in Research Methods and Data Analysis	
Specialized Area		9
INFM600	Information Management Ecosystems	
INFM603	Information Technology and Organizational Context	
INFM605	Users and Use Context	
INFM612	Management of Information Projects, Programs, and Services	
INFM620	Introduction to Strategic Information Management	
INFM700	Information Architecture	
INFM711		
INFM714		
INFM718	Selected Topics in Information Management	
INFM732		
INFM735		
INFM747		
INFM757		
INST600	Foundations for Librarians and Information Professionals	
INST603		
INST604	Introduction to Archives and Digital Curation	
INST607	Government Information	
INST608	Special Topics in Information Studies	
INST610	Information Ethics	
INST611	Privacy and Security in a Networked World	
INST612	Information Policy	
INST613	Information and Human Rights	
INST614	Literacy and Inclusion	
INST615	Information Professionals and the Law	
INST616	Open Source Intelligence	
INST617	Computational Journalism	
INST620	Diverse Populations, Inclusion, and Information	

INST621	
INST622	Information and Universal Usability
INST630	Programming Human-Centered Interfaces
INST632	Human-Computer Interaction Design Methods
INST638	HCI Professional Preparation Seminar
INST639	Special Topics in HCI
INST640	Principles of Digital Curation
INST641	Policy and Ethics in Digital Curation
INST643	Curation in Cultural Institutions
INST644	Introduction to Digital Humanities
INST645	
INST646	Principles of Records and Information Management
INST647	Management of Electronic Records & Information
INST650	Facilitating Youth Learning in Formal and Informal Environments
INST651	Promoting Rich Learning with Technology
INST652	Design Thinking and Youth
INST653	Introduction to Museum Scholarship
INST660	
INST661	Introduction to Game, Entertainment, and Media Analytics
INST670	Introduction to Javascript Programming
INST671	Introduction to Web Programming
INST673	Hands On Machine Learning with Weka
INST680	Health Informatics
INST681	Health Information Behavior
INST682	Personal Health Informatics & Visualization
INST701	Introduction to Research Methods
INST702	Advanced Usability Testing
INST703	Visual Design Studio
INST704	Inclusive Design in HCI
INST705	Game Design Studio
INST706	Project Management
INST711	Interaction Design Studio
INST713	Futures of Work
INST714	
INST715	
INST716	
INST726	Information Governance
INST728	Special Topics in Information Studies
INST729	International Opportunities in Information Studies
INST730	Games as Emergent Experiences
INST732	Entertainment Theory
INST733	Database Design
INST734	
INST736	Computational Linguistics II
INST741	Social Computing Technologies and Applications
INST742	Implementing Digital Curation
INST745	
INST746	
INST747	Research in Advanced Digital Curation
INST750	Advanced Data Science

INST751	IoT and Streaming Data Analytics
INST752	Location Intelligence
INST753	Data Governance and Data Quality
INST754	Data Integration and Preparation for Analytics & Visualization
INST755	eGovernment for Smart Cities
INST756	Information Risk Management
INST760	Data Visualization
INST762	Visual Analytics
INST764	Data Literacy for Arts and Entertainment Management
INST765	
INST767	Big Data Infrastructure
INST771	Foundations of Cybersecurity
INST772	Policy and Practice of Ethical Hacking
INST773	Cyber Intelligence Fundamentals
INST779	Readings Seminar
INST782	Arrangement, Description, and Access for Archives
INST784	Digital Preservation
INST785	Documentation, Collection, and Appraisal of Records
INST786	Museum Research Seminar
INST811	Pedagogy and Curriculum Development
INST878	Special Topics in Information Studies
LBSC611	History of the Book
LBSC641	Selecting and Evaluating of Resources for Learning
LBSC644	Collection Development
LBSC645	Literature and Materials for Children
LBSC646	Literature and Materials for Young Adults
LBSC647	
LBSC702	User Instruction
LBSC706	Seminar in International and Comparative Librarianship and Information Science
LBSC708	Special Topics in Library and Information Science
LBSC709	Independent Study
LBSC713	Planning and Evaluating Library and Information Services
LBSC723	Advocacy and Support for Information Services
LBSC724	Public Library Seminar
LBSC731	Special Collections
LBSC734	Seminar in the Academic Library
LBSC741	Seminar in School Library Administration
LBSC742	Collaborative Instructional Design and Evaluation
LBSC745	Storytelling Materials and Techniques
LBSC748	
LBSC753	
LBSC770	Metadata and Tools for Information Professionals
LBSC773	
LBSC774	
LBSC775	
LBSC786	Library and Archives Preservation
LBSC789	

Summative Assessment		3
INST789	Non-Thesis Research (Non-Thesis Research)	
Total Credits		30

Other courses may also count towards the specialized area course requirement as long as they are approved by the college and the student's advisor prior to registration. Any courses from outside the college will require approval from the home department/college.

Students who advance to candidacy but choose this degree option must petition the Graduate School to have INST898 credits count toward INST789.