Digital Preservation Pathway — Required and Recommended Courses

Students wishing to focus in the digital preservation area will pursue specialized coursework in information technology, digital preservation and curation, archival studies, and metadata schemas and application profiles for preservation.

REQUIRED MLIS CORE (13 CREDIT HOURS)		
LIS 60020	Information Organization	3
LIS 60030	People in the Information Ecology	3
LIS 60040	Information Institutions and Professions	3
LIS 60050	Research and Assessment in Library and Information Science	3
LIS 60280	Master's Portfolio in Library and Information Science	1

FOUNDATIONAL COURSES (11 CREDIT HOURS)		
LIS 60510	Digital Technologies I: Data Fundamentals	1
LIS 60511	Digital Technologies II: Internet Fundamentals	1
LIS 60631	Introduction to Digital Preservation	3
LIS 60633	Digital Curation	3
LIS 60654	Preservation and Conservation of Heritage Materials	3

STRONGLY RECOMMENDED COURSES/KEY ELECTIVES (13 credits)		
LIS 50646	Research Data Management	3
LIS 60635	Cultural Heritage Informatics	3
LIS 60637	Metadata Architecture and Implementation	3
LIS 60651	Digital Image Processing and Collection Management	3
LIS 60652	Foundations of Recordkeeping in Society	3
LIS 60692	Internship in Information and Cultural Heritage Institutions	2-3
LIS 61096	Individual Investigation	1-3

Digital Preservation Pathway — Additional Information and Resources

General Requirements for Emerging Professionals:

- Familiarity with metadata schemas used in digital preservation work such as PREMIS, METS, and content-specific technical metadata;
- Knowledge of library, archival, and museum information systems that support preservation metadata and digital preservation systems such as Archivematica or Preservica;
- Electronic records management;
- Digital forensics;
- Self-assessment and certification processes to audit digital preservation workflows and repositories;
- Web archiving.

Professional/disciplinary journals with articles relating to data management:

Archival Science
The American Archivist
International Journal of Digital Curation
Journal of Digital Information

Professional organizations:

American Library Association. Digital Conversion Interest Group
Digital Preservation Coalition (DPC)
Digital Library Federation (DLF)
iPRES conferences
Library of Congress' National Digital Information Infrastructure and Preservation Program (NDIIPP)
Society of American Archivists (SAA)

Sample job titles:

Digital Archivist
Digital Asset Archivist
Digital Asset Curator
Digital Curator
Digital Preservation Archivist
Digital Preservation Librarian
Digital Projects Archivist

Other related pathways:

Archival Studies; Applied Data Science; Research Data Management