Digital Humanities Pathway — Required and Recommended Courses

Description:
Digital humanities (DH) is a rapidly growing field—an area of scholarly activity at the intersection of digital technologies and the disciplines of the humanities. This pathway is designed to prepare students for careers in the new generation of information professionals who will collaborate in research, teaching, and professional development in DH. You will gain knowledge and skills in the systematic use of digital resources in the humanities and the application of cutting-edge digital information technology and methods. Career possibilities include roles in DH centers (many of which are hosted in academic libraries), educational units that provide DH educational programs, and cultural heritage institutions such as libraries, archives, and museums (LAMs) that serve humanities scholars, students, and users.

Considering the variety of backgrounds that our MLIS students possess, this pathway gives flexibility so that students can build upon their prior knowledge and make a custom pathway by choosing among a broad range of electives.

<table>
<thead>
<tr>
<th>REQUIRED MLIS CORE (16 CREDIT HOURS)</th>
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<tbody>
<tr>
<td>LIS 60010 The Information Landscape</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60020 Information Organization</td>
<td>3</td>
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<tr>
<td>LIS 60030 People in the Information Ecology</td>
<td>3</td>
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<tr>
<td>LIS 60040 Information Institutions and Professions</td>
<td>3</td>
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<tr>
<td>LIS 60050 Research and Assessment in Library and Information Science</td>
<td>3</td>
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<tr>
<td>LIS 60280 Master’s Portfolio in Library and Information Science</td>
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<table>
<thead>
<tr>
<th>FOUNDATIONAL (KEY) COURSES (Choose at least 18 CREDIT HOURS among the three categories)</th>
<th></th>
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<tbody>
<tr>
<td>LIS 60635 Cultural Heritage Informatics</td>
<td>3</td>
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<tr>
<td><strong>Digital Technologies</strong></td>
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</tr>
<tr>
<td>LIS 60510 Digital Technologies I: Data Fundamentals</td>
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<tr>
<td>LIS 60511 Digital Technologies II: Internet Fundamentals</td>
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<tr>
<td>LIS 60512 Digital Technologies III: Information Systems Fundamentals</td>
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<tr>
<td>LIS 60631 Introduction to Digital Preservation (prerequisites = LIS 60510, 60511)</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60633 Digital Curation</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60651 Digital Image Processing and Collection Management</td>
<td>3</td>
</tr>
</tbody>
</table>
### FOUNDATIONAL (KEY) COURSES (Choose at least 18 CREDIT HOURS among the three categories) - continued

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LIS 60615</td>
<td>The Academic Library</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60654</td>
<td>Preservation and Conservation of Heritage Materials</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60665</td>
<td>Rare Books &amp; Special Collections</td>
<td>3</td>
</tr>
<tr>
<td>LIS 61095</td>
<td>(Special Topics) Introduction to Audiovisual Archiving</td>
<td>1</td>
</tr>
<tr>
<td>LIS 60700</td>
<td>Foundations of Museum Studies</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60701</td>
<td>Museum Collections (prerequisite = LIS 60700)</td>
<td>3</td>
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</tbody>
</table>

#### Contexts

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>KM 60370</td>
<td>Semantic Analysis Methods</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60613</td>
<td>Information Needs, Seeking and Use (key)</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60636</td>
<td>Knowledge Organization Systems, Structures and Services</td>
<td>3</td>
</tr>
<tr>
<td>LIS 61095</td>
<td>(Special Topics) Applied Quantitative Methods for Research and Management in the Information Professions</td>
<td>3</td>
</tr>
<tr>
<td>UXD 60001</td>
<td>User Experience Design Principles and Concepts</td>
<td>3</td>
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#### Research

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CS 63015</td>
<td>Data Mining Techniques *</td>
<td>3</td>
</tr>
<tr>
<td>CS 54201</td>
<td>Artificial Intelligence *</td>
<td>3</td>
</tr>
<tr>
<td>CS 64201</td>
<td>Advanced Artificial Intelligence *</td>
<td>3</td>
</tr>
<tr>
<td>CS 64401</td>
<td>Image Processing *</td>
<td>3</td>
</tr>
<tr>
<td>CS 67101</td>
<td>Advanced Computer Graphics *</td>
<td>3</td>
</tr>
<tr>
<td>CS 67302</td>
<td>Information Visualization *</td>
<td>3</td>
</tr>
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</table>

### COURSES offered by OTHER KSU PROGRAMS (Choose no more than 6 CREDIT HOURS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEOG 59070</td>
<td>Geographic Information Science</td>
<td>4</td>
</tr>
<tr>
<td>ETEC 67435/77435</td>
<td>Virtual and Augmented Reality</td>
<td>3</td>
</tr>
<tr>
<td>CS 63015</td>
<td>Data Mining Techniques *</td>
<td>3</td>
</tr>
<tr>
<td>CS 54201</td>
<td>Artificial Intelligence *</td>
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<td>CS 67302</td>
<td>Information Visualization *</td>
<td>3</td>
</tr>
</tbody>
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*Recommended only for students from a computer science undergraduate program
Digital Humanities Pathway — Additional Information and Resources

Topics and career opportunities:
- humanities research enabled through digital media, and computational methods
- computer applications in literary, linguistic, cultural, and historical studies
- visual approaches enabling novel analysis and exploration of resources
- studies regarding the role of art and design (design thinking) in humanities
- open science and citizen science enabling cultural change towards collaboration and openness
- enhancing education in the humanities
- digital arts, architecture, music, film, theatre, new media, digital games, and related areas
- creation and curation of humanities digital resources
- social, institutional, global, multilingual, and multicultural aspects of digital humanities
- interdisciplinary aspects of digitally enabled scholarship
- application of innovative methods and cutting-edge digital technologies in the context of the humanities

Additional skills:
Strong collaboration with customers and stakeholders across multiple organizations.

Sample job titles: Find more current available jobs, check: [ALA dh + lib](https://acrl.alan.org/dh/)

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<thead>
<tr>
<th>Digital Humanities Librarian</th>
<th>Digital Humanities Project Coordinator</th>
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<tr>
<td>Digital Humanities and Social Sciences Librarian</td>
<td>Digital Humanities Analyst</td>
</tr>
<tr>
<td>Digital Humanities and Web Services Librarian</td>
<td>Digital Publishing Fellow</td>
</tr>
<tr>
<td>Global Digital Humanities Librarian</td>
<td>Digital Humanities Archivist</td>
</tr>
<tr>
<td>Data Services and Digital Scholarship Librarian</td>
<td>Digital Scholarship Archivist</td>
</tr>
<tr>
<td>Data and Information Visualization Librarian</td>
<td>Digital Scholarship Strategist</td>
</tr>
<tr>
<td>Humanities and Digital Scholarship Librarian</td>
<td>Digital Humanities Specialist</td>
</tr>
<tr>
<td>Humanities Research and Digital Instruction Librarian</td>
<td>Digital Humanities Developer</td>
</tr>
<tr>
<td>Digital Scholarship &amp; UX Design Librarian</td>
<td>Developer for Digital Arts and Humanities</td>
</tr>
<tr>
<td>Digital Scholarship Outreach Librarian</td>
<td>Research Associate--Digital Humanities Initiative</td>
</tr>
<tr>
<td>Librarian for Collections and Digital Scholarship</td>
<td>Digital Scholarship Technologist</td>
</tr>
<tr>
<td>Emerging Technologies and Digital Scholarship Librarian</td>
<td>Digital Scholarship and Repository Analyst</td>
</tr>
<tr>
<td>Global Digital Humanities Librarian</td>
<td>Museum Curator (Digital)</td>
</tr>
<tr>
<td>Scholarly Communications Librarian</td>
<td>Literature and Humanities Developer</td>
</tr>
</tbody>
</table>
Digital Humanities Centers / Digital Scholarship Centers**
- hosted in libraries (examples):
  Columbia University
  Digital Humanities Center (DHC)
  http://library.columbia.edu/locations/dhc/about.html

  Princeton University
  Center for Digital Humanities
  https://cdh.princeton.edu/about/

  McMaster University
  Sherman Centre for Digital Scholarship
  http://www.scds.mcmaster.ca/

  Univ. California Santa Barbara
  Interdisciplinary Research Collaboratory
  https://www.library.ucsb.edu/interdisciplinary-research-collaboratory

  Univ. Cincinnati
  Digital Humanities | Digital Scholarship Center
  http://dsc.uc.edu/

**Find hundreds of DH centers in the world, where libraries are always a major collaborator
- from centerNet, an international network of digital humanities centers http://dhcenternet.org/

- libraries are major collaborators (Examples in USA):
  - Maryland Institute for Technology in the Humanities (University of Maryland, USA)
  - Roy Rosenzweig Center for History and New Media (George Mason University, Virginia, USA)
  - Cultural Analytics Lab (The Graduate Center, City University of New York, USA, and Qualcomm Institute, USA)
  - Institute for Advanced Technology in the Humanities (University of Virginia, USA)

Important associations/conferences
- Association for Computers and the Humanities
- HASTAC (Humanities, Arts, Science, and Technology Alliance and Collaboratory)
- Alliance of Digital Humanities Organizations (hosts annual Digital Humanities international conference)

Journals:
- Digital Humanities Quarterly
- Digital Scholarship in the Humanities
- International Journal of Humanities and Arts Computing