

Master of Information Science Degree Checklist

MIS Course Requirements: 42 credit hours + the Technology Literacy Requirement
(suggested course sequence)

Foundation (21 hours + Technology Literacy Requirement)

Fall Semester

S510	Introduction to Information Science	(3 credits)	<input type="checkbox"/>
S511	Database Design	(3 credits)	<input type="checkbox"/>
S515	Information Architecture	(3 credits)	<input type="checkbox"/>

Spring Semester

S513	Organizational Informatics	(3 credits)	<input type="checkbox"/>
S516	Human-Computer Interaction	(3 credits)	<input type="checkbox"/>
_____	Programming Requirement	(3 credits)	<input type="checkbox"/>

Final Semesters

S556	Systems Analysis and Design	(3 credits)	<input type="checkbox"/>
_____	Electives	(21 credits)	<input type="checkbox"/>

Electives (21 hours)

_____	_____
_____	_____
_____	_____
_____	_____

M.I.S. Programming Requirement

The 3 credit hour open-ended programming requirement can be fulfilled with a variety of programming courses in or outside of SLIS, or waived if a student has programming experience. Options to meet this requirement:

- Take a SLIS programming course(s): S517, another approved 3 credit SLIS programming course, or two S603 (programming) workshops.
- Take a graduate level programming course in another IU Department as part of the six credit hours of allowed outside course work.
- Waive the requirement by completing a course waiver form and having the form approved by the M.I.S. Program Director. If the course is waived, then a student would have an additional 3 cr. of electives.
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MIS - Technology Literacy Requirement

The School of Library and Information Science expects entering Master of Information Science students will have a basic level of computer literacy, meaning a familiarity with basic applications that will be used throughout the coursework. S401 Computer-Based Information Tools provides this preparation. M.I.S. students are not required to take this course, but are responsible for the knowledge and skills taught in S401. (See the SLIS website for additional information.)

Master of Information Science

GOALS AND OBJECTIVES

The Master of Information Science (MIS) program prepares students to become reflective practitioners in careers involved in designing, managing, and consulting about information technologies and services in public, corporate, and nonprofit organizations.

Upon completion of the MIS program, graduates are prepared to:

Demonstrate understanding of research necessary for careers as information professionals

- Apply appropriate strategies, tools, and technologies to represent, organize, and manage data and information
- Apply appropriate theories and empirical evidence for effective leadership, management, and collaboration
- Use critical thinking to evaluate information, technology, and services problems and challenges
- Synthesize and interpret relevant research findings for use in ICT project management

Adopt socio-technical and user-centered approaches to studying and working with information and communication technologies (ICT)

- Understand the management and organizational structures of information organizations
- Utilize effectively the theoretical and practical bases of information organization, architecture, storage, retrieval, and delivery systems
- Apply techniques from human-computer interaction, systems analysis, programming and database design, to analyze user needs and information systems in social and organizational settings
- Develop innovative solutions to address information, technology, and services problems and challenges

Work effectively within and across a variety of information settings and contexts

- Communicate effectively, orally and in writing, with a variety of audiences
- Identify information and technical resources that will support an organization's activities
- Analyze, evaluate, and manage ICT to support organizational activities and work practices
- Demonstrate knowledge of relevant concepts and theories of organizational behavior for managing people, information, and technology in public and private sector organizations

Participate successfully and responsibly in the information professions

- Explain socio-economic, cultural, policy, and ethical issues involved in the design, development, management, and use of ICT
- Engage in life-long learning, making effective use of the range of information resources (research and popular writings, professional organizations) that support information work