

HEALTH CARE INFORMATICS, MS/LIBRARY AND INFORMATION SCIENCE, MLIS

In collaboration with several other academic units at UW-Milwaukee, SOIS offers students the opportunity to obtain two Master's degrees concurrently—one in Library and Information Science (MLIS) and one in a subject area.

Degree Requirements

- The number of degree credits needed for each of the coordinated programs is usually 12 fewer than the sum of the two programs if they were not taken simultaneously. *All degree requirements of each component must be satisfied.*
- The MLIS portion of the coordinated degrees can be completed online.
- Prerequisite to the award of either degree in this program is the simultaneous award of its counterpart degree.

MLIS Component

The Master of Library and Information Science (MLIS) component of each of the coordinated programs includes 30 credits of SOIS courses. These include the MLIS core courses (12 credits). The remaining 18 MLIS credits are selected from the School's offerings in accordance with the student's goals in the coordinated degree program.

MLIS/MS Health Care Informatics

The MLIS/MS Health Care Informatics Coordinated Degree Program is designed to provide students with theoretical and practical exposure to the evolving field of healthcare informatics as practiced in hospitals, clinics, professional offices, corporations, the government, the insurance industry, and higher education.

Admission Requirements

Application Deadlines

Application deadlines vary by program, please review the application deadline chart (<http://uwm.edu/graduateschool/program-deadlines/>) for specific programs. Other important dates and deadlines can be found by using the One Stop calendars (<https://uwm.edu/onestop/dates-and-deadlines/>).

Admission

Students are admitted to both graduate programs separately and admission requirements (<http://uwm.edu/graduateschool/admission/>) are consistent with those specified by the UWM Graduate School, the Health Care Informatics program, and the MLIS program of the School of Information Studies.

Credit and Courses

Students accepted into this MS/MLIS program complete the following courses:

Health Care Informatics

Code	Title	Credits
Required HCI courses include:		
HI 700	Introduction to Health Care Informatics	3

HI 722	Legal, Ethical and Social Issues in Health Care Informatics	3
HI 723	Health Care Systems Applications - Administrative and Clinical	3
HI 740	Introduction to Biomedical Database Applications	3
HI 741	Essential Programming for Health Informatics	3
HI 742	Computational Intelligence in Health Informatics	3
HI 745	Health Big Data Processing Platforms	3
PH 801	Seminar in Public Health Research	3
Select one of the following:		3
HI 890	Health Care Informatics Research and Thesis	
HI 891	Health Care Informatics Professional Project	
Total Credits		27

Library and Information Science

Code	Title	Credits
Required		
INFOST 501	Foundations of Library and Information Science	3
INFOST 511	Organization of Information	3
INFOST 571	Information Access and Retrieval	3
INFOST 799	Research Methods in Information Studies (Culminating experience for the degree)	3
MLIS Electives		18
Total Credits		30

- **Minimum Credits for MHI: 27**
- **Minimum MLIS Credits: 30**
- **Minimum Total Credits for the Program: 57**

The credits for the coordinated program would typically be completed in both programs at the same time, rather than one program after the other. A student not completing the requirements for the coordinated degree program would need to complete all requirements for an individual program in order to receive a degree.

Important

You must refer to the catalog pages of both individual master's programs to ensure that you meet all requirements for both degrees.

Additional Requirements

Time Limit

Students in the coordinated MS/MLIS degree program must complete all degree requirements within seven years of the first enrollment semester as a degree student.

Health Care Informatics MS Learning Outcomes

Master of Science students in Health Care Informatics can expect to:

1. Perform responsibilities as a health informatician in biomedical research.
2. Apply programming and database management methods to create software solutions in a healthcare context.
3. Create and customize intelligence analytic pipelines to organize, analyze and visualize data.
4. Evaluate informatics applications used in modern biomedical industries, using real world cases and industry reports.
5. Examine needed resources and potential challenges for designing and building a health informatics system in clinical environments.

Goal 4: To develop new scholars and information professionals who can evaluate and apply research findings.

Students will be able to...

- 4.1 Assess the merits of research and apply relevant findings to professional practice.
- 4.2 Apply research theory, methods, and techniques to solve problems in the LIS professions.

MLIS Mission, Goals, Objectives, and Learning Outcomes

Mission

The mission of the MLIS program is to educate the next generation of information professionals by offering a rigorous curriculum that fosters professional knowledge and skills, professional ethics, critical inquiry, and leadership to address the needs of a diverse and global information society.

Goals and Learning Objectives

Goal 1: To impart knowledge of library and information science (LIS).

Students will be able to...

- 1.1 Delineate and assess important social, political, and historical developments in library and information science and cultural heritage institutions.
- 1.2 Analyze the information needs, preferences, and behaviors of users.
- 1.3 Describe and evaluate the range of roles that LIS professionals fill in society.
- 1.4 Apply the philosophy, principles, and ethics of LIS to professional practice.

Goal 2: To prepare the next generation of professionals for leadership roles in library and information science.

Students will be able to...

- 2.1 Identify and evaluate the diverse functions of the LIS professions.
- 2.2 Prepare for change in a rapidly evolving professional landscape.
- 2.3 Apply principles and technologies for the organization, access, retrieval, and preservation of information.
- 2.4 Develop and evaluate library and information services and systems.

Goal 3: To prepare professionals who are able to serve the information needs of a diverse global society.

Students will be able to...

- 3.1 Identify, promote, and provide services to serve the needs of diverse stakeholders, including underserved populations.
- 3.2 Integrate the theory and practice of library and information science for diverse audiences in a global society.