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.

Library and Information Science MLIS Learning Outcomes

Students graduating from the master's program in Library and Information Science (MLIS) will be able to:

1. Critically assess the philosophy, principles, culture, ethics or values of library and information science.
2. Demonstrate the knowledge and skills to develop and evaluate library and information services and systems.
3. Outline how library and information services may serve the needs of a diverse global society.
4. Apply knowledge of research methods in library and information science to investigate an issue of relevance to the field.

See the full list of ALA Core Competencies here (https://www.ala.org/educationcareers/careers/corecomp/corecompetences/).