

# INFORMATION SCIENCE AND TECHNOLOGY, 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.

## MSIST/MS Information Science and Technology

A Master of Science in Information Science and Technology/Master of Library and Information Science program prepares students for positions in information technology in all types of libraries, 54 credits.

## 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/>).

## Credits and Courses

### Degree Requirements

Thirty hours will be required for the MLIS and twenty-four for the MSIST. SOIS reduces the MLIS by 6 credit hours of electives in consideration of another master's degree. The requirements for the MSIST are its 5 or 6 core courses plus 6 or 9 credits of elective coursework totaling 24 credits. In sum, for 54 credit hours a student can complete both the MLIS and MSIST degrees. Degrees will be awarded simultaneously.

- See the MSIST (<https://catalog.uwm.edu/community-engagement-professions/information-studies/information-science-technology-ms/>) page and the MLIS (<https://catalog.uwm.edu/community-engagement-professions/information-studies/library-information-science-mlis/>) page for more information.

## Information Science and Technology (MS)

Code	Title	Credits
<b>Core Courses</b>		
INFOST 582	Introduction to Data Science	3
INFOST 583	Survey of Information Security	3
COMPST 701	Computing Fundamentals for IT Professionals	3
COMPST 703	Software Development Life Cycle	3
<b>Programming proficiency as demonstrated by one of the following with a "C" or better:</b>		<b>0-3</b>
INFOST 350	Introduction to Application Development	
BUSMGMT 744	R Programming for Business Analytics	
COMPST 702	Introductory Programming Using Python	
COMPST 750	Problem Solving with Object-Oriented Programming	
HI 741	Essential Programming for Health Informatics	
PH 718	Data Management and Visualization in R	
Programming Competency Examination		
<b>Culminating Course</b>		
INFOST 790	Project Design, Implementation, and Evaluation	3
<b>Electives</b>		
6-9 credits from any INFOST or COMPST course offerings from any of the Tracks. Number of credits is dependent on whether programming competency is demonstrated through coursework or examination.		6-9
<b>Total Credits</b>		<b>24</b>

## Master of Library and Information Science (MLIS)

Code	Title	Credits
<b>Core Courses</b>		
INFOST 501	Foundations of Library and Information Science	
INFOST 511	Organization of Information	
INFOST 571	Information Access and Retrieval	
INFOST 799	Research Methods in Information Studies	
<b>Other MLIS courses</b>		<b>18</b>
<b>Total Credits</b>		<b>30</b>

### 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

All degree requirements must be completed within seven years from the date of initial enrollment in the Master's program.