

Specialization in Environmental Informatics (MSIS)

Required Courses	Geospatial Analysis Focus	Data Visualization Focus	Information and Data Management Focus	Big Data & Society Focus
500 Human Information Interactions 509 Information Retrieval 520 Organization of Information 523 Database Systems I 560 Programming ** 581 Research Methods Overview 585 Management for Information Professionals 781 Proposal Preparation and Presentation (1.5 credits) 992 Masters Paper	<p><u>Highly Recommended:</u> 541 Information Visualization 625 Information Analytics 718 User Interface Design 719 Usability Evaluation and Testing</p> <p><u>From Outside of SILS:</u> GEOG 540 GEOG 550 GEOG 582</p> <p><u>Recommended:</u> 525 Electronic Records Management 539 Going the Last Mile: Information Access for Underserved Populations 573 Mobile Web Development 690 Project Management: Strategy and Applications 584 Information Ethics</p>	<p><u>Highly Recommended:</u> 570 Fundamentals of Programming Information Applications 572 Web Development (1.5 credits) 541 Information Visualization 641 Visual Analytics 672 Web Dev II 718 User Interface Design 719 Usability Evaluation and Testing</p> <p>From Outside of SILS: MEJO 581 User Design and Usability</p> <p><u>Recommended:</u> 525 Electronic Records Management 539 Going the Last Mile: Information Access for Underserved Populations 573 Mobile Web Development 690 Project Management: Strategy and Applications 584 Information Ethics</p>	<p><u>Highly Recommended:</u> 570 Fundamentals of Programming Information Applications 572 Web Development 623 Database II 624 Policy-Based Data Management 625 Information Analytics 626 Intro to Big Data and NoSQL 672 Web Dev II 690 Project Management: Strategy and Applications 720 Metadata Architectures and Applications 760 Web Databases</p> <p><u>Recommended:</u> 525 Electronic Records Management 541 Information Visualization 584 Information Ethics 573 Mobile Web Development</p>	<p><u>Highly Recommended:</u> 418 Human Factors in System Design 539 Going the Last Mile: Information Access for Underserved Populations 584 Information Ethics 624 Policy-Based Data Management 789 Big Data, Algorithms, and Society</p> <p><u>Recommended:</u> 525 Electronic Records Management 541 Information Visualization 573 Mobile Web Development 690 Project Management: Strategy and Applications</p>

Note: Students are encouraged to review the courses offered as INLS 690 or INLS 890 (special topics) each semester, as some of these courses may be relevant to this specialization.

**INLS 560 is waived if took COMP 110