### Courses

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<th>Course Code</th>
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<td>Data, Information &amp; Society</td>
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<tr>
<td>ISCI 202</td>
<td>Information Literacy and Technology</td>
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<td>ISCI 215</td>
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<td>Text Mining in Big Data Analytics</td>
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<td>Information Science Data Analysis and Evaluation</td>
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<td>Cyberethics and Information Policy</td>
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<td>Blockchain and Cryptocurrency</td>
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<td>ISCI 325</td>
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<td>Knowledge Work as an Organizational Asset</td>
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<td>ISCI 429</td>
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<td>ISCI 430</td>
<td>User-Centered Information Architecture</td>
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<td>ISCI 434</td>
<td>Introduction to Knowledge Discovery</td>
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#### Prerequisites/Requirements:
- **ISCI 201**: Data, Information & Society
- **ISCI 202**: Information Literacy and Technology
- **ISCI 215**: Ethics in the Era of Big Data
- **ISCI 249**: Principles of User Experience and Design (UX/UI)
- **ISCI 250**: Information Design
- **ISCI 259**: User Experience Research Methods and Tools
- **ISCI 301**: Text Mining in Big Data Analytics
- **ISCI 310**: Information Science Data Analysis and Evaluation
- **ISCI 315**: Cyberethics and Information Policy
- **ISCI 316**: Blockchain and Cryptocurrency
- **ISCI 317**: Blockchain, Privacy, and Decentralization
- **ISCI 325**: Children's Literature
- **ISCI 330**: Introduction to Computer Technology & Applications for Info Env
- **ISCI 340**: Cyber Security and Information Science
- **ISCI 349**: Principles of User Experience and Design (UX/UI)
- **ISCI 410**: Knowledge Work as an Organizational Asset
- **ISCI 415**: Social Issues in Information and Communications Technologies
- **ISCI 420**: Information and Communication Needs and Assessment
- **ISCI 429**: Information Management for Journalists
- **ISCI 430**: User-Centered Information Architecture
- **ISCI 434**: Introduction to Knowledge Discovery

#### Notes:
- For the prerequisites, credit must be earned within 2 years of enrollment.
- The School of Information Science offers a curriculum that combines theoretical knowledge with practical skills to prepare students for careers in information science and technology.
- Students are encouraged to consult with an academic advisor to plan their course of study and ensure they meet all requirements for graduation.
- The curriculum includes courses on information literacy, information management, and information technologies, providing a comprehensive understanding of the field.
ISCI 435 - Planning and Sustaining Digital Projects (3 Credits)
Theoretical and technological foundations of building the digital information infrastructure. Emphasis on technical aspects of managing digital assets for Intranet and Internet use.
Prerequisites: C or better in ISCI 202, ISCI 402.

ISCI 440 - Competitive Intelligence (3 Credits)
Strategies and techniques for locating competitive intelligence information.
Prerequisites: ISCI 201, ISCI 202, ISCI 301, ISCI 402.

ISCI 450 - Information Issues in Community Institutions (3 Credits)
Problem of identifying or defining cultural heritage and the issues and problems in preserving, accessing, and managing cultural heritage information. Issues such as copyright/ownership, technical problems of preservation and intellectual access, and the different ways in which libraries, archives, museums, zoos and other cultural heritage institutions operate.

ISCI 480 - Emerging Topics in Information Science (3 Credits)
Examination of selected current and emerging topics in the field of information science. May be repeated once for credit as topics vary.

ISCI 494 - Independent Study in Information Science (3 Credits)
Independent study in an area of information science relevant to the students professional goals. May be repeated once for credit as topics vary.
Prerequisites: C or better in ISCI 202, ISCI 301, and ISCI 402.

Graduation with Leadership Distinction: GLD: Research
Experiential Learning: Experiential Learning Opportunity

ISCI 496 - Internship in Information Science (3 Credits)
Supervised field experience in an information agency relevant to students professional goals. Approval of the appropriate internship application must be submitted early in the semester preceding enrollment.
Prerequisites: C or better in ISCI 202, ISCI 301, and ISCI 402.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships
Experiential Learning: Experiential Learning Opportunity

ISCI 501 - Teaching and Training in Distributed Environments (3 Credits)
Knowledge and skills for applying complementary technologies for learning in distributed learning environments (Pre-K-lifelong) through lecture, demonstration, and discussion.

ISCI 523 - Materials for Early Childhood (3 Credits)
Media resources and techniques for children from birth to 9 years. Reading interests and developmental needs of young children. Authors, illustrators, indexes, bibliographic tools, evaluation sources, and professional literature. Not open to students enrolled in M.L.I.S. program.

ISCI 525 - Materials for Children (3 Credits)
Media resources for children. Reading interests of children and their curricular and independent needs for information. Authors, illustrators, indexes, bibliographic tools, and sources of evaluation of materials for children. Techniques and literature for read-aloud programs and storytelling. Not open to students enrolled in M.L.I.S. program.

ISCI 527 - Materials for Adolescents (3 Credits)
Media resources for adolescents. Reading interests of adolescents and their curricular and independent information needs. Study of relationships of media to information needs and critical comparison between classic and contemporary materials for adolescents. Indexes, bibliographic tools, and sources of evaluation of materials. Not open to students enrolled in M.L.I.S. program.

ISCI 529 - Special Topics in Library and Information Studies (3 Credits)
Specific topics of current concern to the library, information, and media professions to be identified by title. Not open to students enrolled in M.L.I.S. program.

ISCI 530 - Applications of Information Technology and the Infrastructure (3 Credits)
Introductory knowledge for school library media specialists, teachers, administrators, parents, and other citizens interested in practical applications of information technology to support learning, decision making, and community building.

ISCI 534 - Knowledge Discovery Techniques (3 Credits)
Knowledge discovery techniques and applications.
Prerequisites: ISCI 434 for Undergraduate Students.

ISCI 560 - Data Visualization (3 Credits)
Foster theoretical insights about data visualization. Prepare temporal, geospatial, and textual data for visual representations. In hands-on sessions, students practice data visualization techniques and apply them in a wide range of real-world scenarios.

ISCI 600 - Storytelling: Theory, Practice, and Development (3 Credits)
Storytelling methods, techniques, and materials encompassing heritage, art, literature, and programming.

ISCI 608 - Information Behavior and Practices (3 Credits)
Focuses on theories, models, and concepts of information behavior. Emphasizes information seeking and use practices and activities in relation particular communities, channels and barriers to information, and the impacts of technology. Provides an introduction to methods that can be used to study information needs, information seeking behavior, and related phenomena.