Data Science / Data Analytics / Databases
Course Advising Grid

Core Courses (Take in Your First Year)	
INLS 777: Perspectives (Fall)	INLS 776: Ethics (Spring)

Bin Courses
Highly Recommended | Suggested

Information	Services and Organizations	Technology	People and Communities
Take at least 2	*Take at least 1 (MSIS) or 2 (MSLS)*	*Take at least 2 (MSIS) or 1 (MSLS)*	*Take at least 1*
INLS 520: Organization of Information INLS 509: Information Retrieval INLS 625 Information Analytics (Fall) INLS 690-245 Data Criticism INLS 714 Introduction to Information Analytics INLS 720: Metadata Architectures and Applications	INLS 582: Systems Analysis INLS 585: Management for Information Professionals INLS 719: Usability Evaluation and Testing	INLS 523: Introduction to Database Concepts and Applications INLS 560: Programming INLS 570: Fundamentals of Programming Information Applications INLS 512: Applications of Natural Language Processing (Spring) INLS 541: Information Visualization (Spring) INLS 613: Text Mining (Fall) INLS 623: Database Systems II INLS 626: Introduction to Big Data and NoSQL INLS 641: Visual Analytics INLS 690-270 Data Mining: Methods and Applications	INLS 500: Human Information Interactions INLS 789: Big data, Algorithms, and Society INLS 660: Social Media and Society: A Theoretical and Empirical Overview INLS 690-230: Community Data Lab INLS 690-290: Misinformation and Society

Capstone (Take in Second Year)

- INLS 778 / 992 (research-based master's paper track) OR
- INLS 779 / 992 (practicum / project track)

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