

**University of North Texas
College of Information**

Information Science (BS-IS)

University Core: 42 Hours (* = best selection)			
UNT Course	Transfer Course	College	S.H.
COMMUNICATION (6 HRS.) C or better			
ENGL 1310			3
ENGL 1320			3
MATHEMATICS (3 HRS.)			
MATH 1580*			3
LIFE & PHYSICAL SCIENCES (6 HRS.)			
LAB SCIENCE			3
LAB SCIENCE			3
CREATIVE ARTS (3 HRS.)			
			3
LANGUAGE, PHILOSOPHY, & CULTURE (3 HRS.)			
			3
AMERICAN HISTORY (6 HRS.)			
HIST 2610			3
HIST 2620			3
GOVERNMENT/ POLITICAL SCIENCE (6 HRS.)			
PSCI 2305			3
PSCI 2306			3
SOCIAL & BEHAVIORAL SCIENCE (3 HRS.)			
			3
CORE OPTION COURSES (6 HRS.)			
Core Option A			3
Core Option B			3

CROSS-FUNCTIONAL ELECTIVES: 45 Hours At least 9 hours of the 45 hours must be upper level	
1	3
2	3
3	3
4	3
5	3
6	3
7	3
8	3
9	3
10	3
11	3
12	3
13	3
14	3
15	3
BSIS MAJOR COURSES: 33 Hours Major GPA 2.5 or higher is required	
IS major core courses: 15 hrs.	
INFO 4100 Intro. Information Science	3
INFO 4203 Info Indexing & Organization	3
INFO 4306 Project Management	3
INFO 4709 Data Visualization	3
INFO 4730 Digital Curation & Preservation	3
Concentration: 18 hr.	
Concentration required course	3
Concentration required course	3
Concentration required course	3
Concentration required course	3
INFO major elective	3
INFO major elective	3

***INFO course rotation**
<https://informationscience.unt.edu/students/course-rotation.html>

COI advising contact: CI-UAdvising@unt.edu

BSIS Program Concentrations (18 Hours)

Information Science & Knowledge Organization	Project & Knowledge Management	Information Management & Health Informatics	Digital Content & Information Systems	Data Science
INFO 4230 Records Management Operations	INFO 4230 Records Management Operations	INFO 4365 (Fall only) Health Sciences Information Management	INFO 4206 Information Retrieval Systems	DTSC 4050 Statistical Methods for DTSC
INFO 4206 Information Retrieval Systems	INFO 3647 Regal Research, Information, & Access	INFO 4637 Medical Informatics	INFO 4710 Information Technology Management	INFO 4707 Data Modeling and Data Warehousing
INFO 4223 Metadata and Networked Information (prereq: INFO 4203)	INFO 4307 Knowledge Management Tools and Technologies	INFO 4670 Data Analysis and Knowledge Discovery	INFO 3385 Community Language Archives & Digital Repositories	DTSC 4501 Principles of Data Science and Analytics
INFO 4710 Information Technology Management	INFO 4710 Information Technology Management	INFO 4710 Information Technology Management	INFO 4745 Information Architecture	INFO 4670 Data Analysis and Knowledge Discovery
INFO elective	INFO elective	INFO elective	INFO elective	INFO elective
INFO elective	INFO elective	INFO elective	INFO elective	INFO elective

INFO 4100 – Introduction to Information Sciences -Serves as a core course of the BS-IS program and prepares students in the field of information science to understand the origins and history of information science, essential characteristics and scope of this discipline, as well as its fundamental principles and international standards. Guides students through each of the essential conceptual blocks of information science such as information behavior, bibliometric analysis, information organization and retrieval, e-publishing, information security and privacy, the future of the discipline.

INFO 4203 - Information Indexing and Organization - Applications in different types of information systems of text documents, images or audio files. Use of database retrieval software to store and represent information. Indexing formulation, automatic programming, and design for user support. Planning and implementing multimedia documents.

INFO 4306 - Project Management for Information Systems - Managing the process of planning, developing, implementing and evaluating systems, including defining requirements, developing requests for proposals, evaluating alternative systems, and locating and hiring consultants.

INFO 4709 - Data Visualization - Introduction to data visualization covering the design and evaluation of visual data, including acquisition, parsing, and analysis. It will enable students to combine statistical approaches, computer treatment, and graphic methods to examine structured and unstructured data. Students will learn different techniques and computer tools to visualize large datasets, discover hidden information and be able to answer research questions

INFO 4730 - Digital Curation and Preservation - The abundance of electronic and computer-based information requires a new type of professional to examine the life-cycle of the new type of information content: digital content. Decisions about the preservation of this new type of material are not trivial, and include its descriptive components and particular formats and standards for long term archival storage and access. This course is about the tools and techniques to accomplish these goals.

Approved INFO electives

DTSC 3030 - Cyber Ethics for Data Scientists
DTSC 4410 - Network and Data Security for Data Scientists
DTSC 4420 - Principles of Data Science Forensics
DTSC 4430 - Cloud Security for Data Scientists
INFO 1700 - A.I. and Me: Technology Ethics for the Information Ecosystem
INFO 2010 - Informatics and Society
INFO 2091 - Saving Culture: An Introduction to Archival Studies
INFO 3385 - Community Language Archives & Digital Repositories
INFO 3647 - Legal Research, Information, and Access
INFO 4080 - Research Methods and Evaluation
INFO 4300 - Administration of Information Agencies
INFO 4400 - Evaluation and Development of Information Resources
INFO 4430 - Information Resources for Young Adults
INFO 4615 - Electronic Information Services
INFO 4620 - Information Resources in the Humanities

*Electives may be required to satisfy the advanced hour requirement (42) and/or the minimum total hours required for the degree.