The bachelor of science in information science and technology (IST) is a STEM degree that will provide you with the necessary skills to connect management and technology in today’s workforce. Graduates in this field empower organizations by managing and supporting information systems to yield a more efficient and profitable enterprise.

There is great demand for IT professionals who have both strong technical knowledge and broad understanding of business. These individuals are needed to implement and manage technology that supports business processes, managerial decision-making and organizational communication. Although this is a computing-focused program, you’ll spend most of your day working with people, not machines. To this end, all IST majors are eligible to receive a minor in business without any additional coursework.

**DEGREE CURRICULUM**

**Information Science and Technology Core**
Your classes will include a core set of courses that will provide you with understanding of programming concepts, database management, data science, computer architecture, data networks, information systems design, technology management, and e-commerce.

**Common Core**
You will join your business and management systems classmates in a common core set of classes. These classes reflect the theme of integration of business and technology, and represent information technology, management, quantitative, and communication skills.

**Information Science and Technology Electives**
To prepare yourself for a beginning career, you will take at least fifteen credits (five courses) of IST electives. You are encouraged to designate areas of concentration by pursuing one or more of over a dozen minors offered by our department in many popular, high-demand areas.

**Experiential Learning**
You will be required to engage in an experiential learning activity. These activities are designed to require you to go beyond mastering basic skills and knowledge in the practical application of that material, and allow you to learn in environments that align with your aptitudes.

**POPULAR PROFESSIONS**
*(Preparation for some of these careers requires specific courses)*

- Artificial Intelligence and Machine Learning - Algorithm Design, Business Process Revitalization
- Business Analytics and Data Science - Data Modeling, Information Visualization, Business Operations Analysis
- Computer Infrastructure - Network Management, System Administration, Database Design and Management
- Cybersecurity and Information Assurance - Digital Forensics, Security Analysis, Business Continuity Planning
- Enterprise Resource Planning - ERP System Configuration, Business Intelligence, Supply Chain Management
- Human-Computer Interaction - Usability Evaluation, Interface Design
- Technological Innovation - Digital Transformation, Technological Innovation Management, Industry 4.0

**AVERAGE STARTING SALARIES - CAREER OPPORTUNITIES AND EMPLOYER RELATION STATISTICS**

$69,731  
Average starting salary for undergraduates as of 2022

$74,502  
Average starting salary for MS IST graduates as of 2022

$3,584  
Average monthly salary for internships and co-ops as of 2022
A grade of 'C' or better is required in this course. Math 1212 may be substituted for Math 1211.

1 A grade of 'C' or better is required in these courses.
2 Science is any course in biological science, chemistry, geology, geological engineering or physics.
3 Fine Arts, Social Science, or Humanities is any course in art, economics, English, foreign language, history, literature, music, philosophy, political science, psychology, sociology or theater that is not used for other degree requirements.
4 ENGLISH 1160 may be substituted for ENGLISH/TECH COM 1600.
5 Mathematical Science is any course in mathematics, statistics, computer science or information science and technology that is not used for other degree requirements.
6 A grade of 'C' or better is required in this course as a prerequisite to STAT 3111.