Information Systems OR Computer Science

BBA - BA
BS - IS
MIS

BS - CS
BS - DS
MCS
MSSE

INFORMATION SYSTEMS
Monte Ahuja
College of Business

COMPUTER SCIENCE
Washkewicz
College of Engineering

Information Systems Curriculum

- Business application of computer technology through a broad range of subjects
- Supporting academic areas are business and communication
- Topics of Study:
  - Software/Application Design & Development
  - Database Management Systems
  - Networking & Cybersecurity
  - Business Analytics
  - Project Management
  - Cloud Computing
  - Generative AI/LLM
  - Machine Learning
- Students learn how to use technology to benefit an organization and become experts in applying technology to solve problems

Computer Science Curriculum

- Emphasis on theoretical and mathematical foundations of computing
- Supporting academic areas are engineering and mathematics
- Topics of Study:
  - Data Structures
  - Algorithms
  - Systems Software
  - Operating Systems
  - Computer Architecture
- Electives:
  - Networking
  - Artificial Intelligence
  - Multimedia
  - Graphics

Information Systems Careers

Computer Science Careers

Career paths may vary due to cross-over between the disciplines as well as different needs by industry, sector and organization.

- Database Administrator
- Network Administrator
- Project Manager
- Business Analyst
- Systems Analyst
- Data Warehousing and Mining
- Website/Internet Administration
- Business Application Developer
- ERP Administrator

- Computer Systems Analyst
- Software Developer
- Software Development Engineer
- Security Specialist
- Modeling and Simulations
- Artificial Intelligence (AI)
- Software Engineering
- Quality Assurance Specialist
- Network Engineer

- Chief Information Officer
- Chief Security Officer