

## What is Information Systems as a discipline?

- ✦ The intersection between people, technology and organizations
- ✦ Designing solutions to organizational problems
- ✦ Evaluating the effectiveness of technology
- ✦ Designing & analyzing information-scape
- ✦ Analyzing data to make companies, web and mobile applications effective
- ✦ The US Bureau of Labor Statistics notes that IS jobs are among the highest paying and fastest growing in the nation

## Learning Beyond the Classroom: IS Club

Information Systems club is open to all students with an interest in IS, IT, and their applications in business, healthcare, etc. The club's purpose is to provide opportunities for students to network with their peers, industry practitioners and alumni, and to provide them with activities such as workshops, speaker events, discussion panels to prepare them better for a career in Information Systems.



## What Our Alumni Say

The IS program has made me more confident to step into the business world with the right combination of technical and managerial skills. The professors are really knowledgeable, encouraging, helpful and keenly devoted to set up the potential in students for problem-solving and generating innovative ideas.

*Nithya Raman - MS Alumnus*

It is a near perfect program to prepare a manager to represent the technology department at the highest levels of an organization.

*Derek Linebarger - MS Alumnus*

Professors brought in expertise both from academic research and from their practical experience in industry. This open-minded and supportive environment infused me with a great sense of opportunity and excitement about the future. In short, the MS program gave me the vision and the technical skills to make my contribution to a better world.

*Samuel Vilain - MS Alumnus*

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NJIT

New Jersey's Science & Technology University

COLLEGE OF COMPUTING SCIENCES

## MS in Information Systems

*The intersection between people and computing technology*



Department of Information Systems

[is.njit.edu](http://is.njit.edu)

**THE EDGE IN KNOWLEDGE**

## Why Study IS at NJIT?

- ✚ NJIT's IS grads place among the highest- paying and most plentiful jobs nationally.
- ✚ Welcomes students from all educational backgrounds, which creates a great diversity of experience and knowledge.
- ✚ Very flexible degree, with many elective tracks to fit your interests.
- ✚ Co-op and internship opportunities with major local companies.
- ✚ Study part-time or full-time.
- ✚ Many research opportunities with IS professors.
- ✚ MS program courses can all count towards NJIT's IS Ph.D. program.
- ✚ Location: The region has a high concentration of business and industry. NJIT is ½ hour from midtown Manhattan by train.

## What will I Learn

- ✚ Management information systems
- ✚ Technology skills
- ✚ The processes, information flows and requirements within organizations
- ✚ To design innovative and creative business systems

### IS Focus

Analysis Design  
Evaluation  
Quality Control  
Collaboration  
*for*  
information,  
web and  
communication  
systems

### Specialization Tracks

## What jobs can I get?

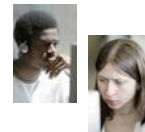
IS grads assume positions of responsibility and leadership in corporations, small businesses, government and community organizations. Modern enterprises depend on IS specialists, valuing their ability to design computing solutions

### Sample IS Job Titles

business systems analyst/designer web  
application designer/evaluator business  
systems integrator information system  
auditor database designer/auditor  
information security specialist

## What will I Learn

- ✚ Core IS and management courses
- ✚ Core technology courses
- ✚ Elective courses (four courses from several of the following tracks)
  - Data Management
  - Decision Making & Knowledge Management
  - Electronic Commerce
  - Emergency Management
  - Human Computer Interaction:
  - Communication Design / Interaction Design
  - Network Management
  - Security and Auditing
  - Software Systems
  - Systems Analysis and Design
  - Research and Pre-Ph.D.



## What can I study?

- ✚ Innovation for organizational processes and decision making
- ✚ Quality assurance, security analysis, design and auditing of information and database systems
- ✚ Enterprise architectures
- ✚ Analysis, design, integration and evaluation of:
  - Knowledge- management, customer care, e-commerce and crisis response applications
  - Database, web and multimedia business applications
  - User interfaces and the user experience
  - Pervasive, mobile and ubiquitous
  - Social networking applications

## MSIS Curriculum

### Core Courses

IS 631 – Enterprise Database Management & Design  
IS661 – User eXperience Design  
IS 663 – Advanced System Analysis  
IS 665 – Data Analytics in Information Systems  
IS 684 – Business Process Innovation  
AND  
Choose 1 data intensive course (Data Mining, Transaction Mining, Web Mining)

### Electives

Choose 4 electives from a variety of subjects!

