

## Why Study for a BA in IS at NJIT?

- Highly flexible, state-of-the-art IS curriculum, designed to prepare you for leadership in designing and evaluating IS applications for any organization.
- NJIT's Information Systems graduates garner the highest-paying and most plentiful jobs.
- Strong Co-op and Internship programs with major local companies.
- The NJIT Information Systems degree is the first fully accredited IS program in New Jersey.
- Provides a hands-on, application design focus, with a broad conceptual foundation (as opposed to a pure theory, web, or management orientation).
- Career preparation for technical, management, project management or business application team leadership.
- The most flexible of all the IS degrees, having minimal math requirements, yet with many specialization tracks, application environments, and electives to fit your interests and career goals.
- Location: Modern campus in the University Heights community. Only 30 minutes from NY City by train!
- Study part-time or full-time.
- Undergraduate research opportunities with Information Systems professors.



## What Our Students Say

As a major, Information Systems at NJIT is much more broad and relevant than most students realize. The professional world is changing at an ever accelerating rate but many of the lessons taught by the IS professors here will prove to be timeless. This program allows you to appreciate the opportunities that exist in the technology space and I consider myself lucky to be so well positioned to embrace the impending change. **Brian Dennett, IS Alumnus**

The most important resources within the IS program at NJIT are the professors. They know you by name and provide insight on real life Information Systems scenarios. The reliability and consistency of their approach supported me in my educational growth.

**Raymond Benoit, IS Alumnus**

The professors and students here at NJIT are very easy to relate with, and are always eager to share their wealth of experience with you. They give you an idea of the situation out there, and what you'll need to succeed in your career. Knowing what to expect tends to increase your curiosity on topics, thus giving you a blast of energy that gingers you to want to go the extra mile.

**Nkemakonam Okoye, IS Major**

Information Systems Department  
Dr. Michael Bieber, Chair  
web: [is.njit.edu](http://is.njit.edu)  
email: [is@njit.edu](mailto:is@njit.edu)  
(973) 596-3368



Advisors: Megan Summers & Sarah Vandermark  
[ccs.njit.edu/programs/advising](http://ccs.njit.edu/programs/advising)



College of Computing Sciences  
Dr. Narain Gehani, Dean  
[ccs.njit.edu](http://ccs.njit.edu)

NJIT Admissions  
[www.njit.edu/admissions](http://www.njit.edu/admissions)  
(800) 925-NJIT



COLLEGE OF COMPUTING SCIENCES

# BA in Information Systems

*Information Systems -  
Driving the Digital Future*



Department of Information Systems

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

**THE EDGE IN KNOWLEDGE**

## What are Information Systems (IS)?

Information is a valuable organizational and business resource. Information Systems enable individuals to access the information they need, collaborate, and conduct their jobs and personal activities effectively.

Information systems are the driving force behind our internet-based economy.

IS professionals design web-based and traditional application systems that provide information to support decision making for individuals and organizations. They often work in teams with, and serve as the critical link between, the technical areas and all other areas of organizations.

Information systems are used everywhere, including business, health care, science, government and education.



## What will I learn?

- State of the art IS analysis & design concepts
- The processes, information flows and requirements within organizations
- To design innovative and creative business systems
- To evaluate individual and organizational impacts of information system applications

### The IS Focus

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

## What jobs can I get?

Lots! Information Systems jobs are among the *highest paying* and *fastest growing*, according to the U.S. Department of Labor.

BA IS graduates assume positions of responsibility and leadership in large and small businesses, community organizations and government. Modern enterprises depend on IS specialists, valuing their broad background to design solutions.

### IS Job Growth

Network/Communication Analysts	53%
Software Engineers/ Application Analysts	47%
Database Administrators	29%
Network/Systems Administrators	27%
Computer Systems Analysts	29%

Projected job growth between 2006 and 2016, from U.S. Department of Labor [www.bls.gov](http://www.bls.gov), October 2009

### Information Systems Salaries

Information Systems Coordinator.....	\$64K
Database Analyst .....	\$63K
Business/Application Systems Analyst ....	\$64K
Information Systems Auditor.....	\$62K
Chief Information Officer (CIO)** .....	\$214K

Median entry level salaries in the metro-NY region from [www.salary.com](http://www.salary.com), October 2009

\*\* The CIO is a highly experienced IS professional, the top IS person in the organization!

## What Courses Will I Take?

- Core web & computing courses
- Capstone team project in a local company
- IS Application Environment (five courses)
  - Communications & Media
  - Business (includes Business minor)
  - Legal Arts & Criminal Justice
- Specialization Track (four courses)
  - IS security, auditing & crisis response
  - Intelligence & decision support
  - Human-computer interaction
  - Systems analysis & design
  - Network applications
  - Management of IS
  - Web engineering
  - Database design
  - Virtual worlds
- Co-op & Internship program (optional)



## What IS topics can I study?

- Design of interactive systems
- Business & database application design
- Application evaluation and auditing (ensuring systems work effectively and securely)
- Medical informatics
- Project management
- Web, Social Networking & Multimedia Applications
- Decision support systems
- Collaboration & team support
- Digital libraries