

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

"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 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 Alumna

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COLLEGE OF COMPUTING SCIENCES

BA in Information Systems

*Information Systems-
Driving the Digital Future*



Department of Information Systems

is.njit.edu

THE EDGE IN KNOWLEDGE

Why Study IS at NJIT?

- Our IS degree is the first ABET accredited IS program in New Jersey.
- IS Department is a member of SAP University Alliance.
- Highly flexible, state-of-the-art IS curriculum. With many specializations, career tracks, and electives to fit your interests and career goals.
- Strong Co-op and Internship programs with major local companies.
- Provides a hands-on, application design focus, with a broad conceptual foundation.
- Undergraduate research opportunities with Information Systems professors.



What Will I Learn?

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

The IS Focus

Analysis
Design
Evaluation
Quality Control
Collaboration

for

organizational,
web, information &
communication

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 Forecast through 2020

Job title	Pct job growth forecast
Software developers, systems software	32%
Database administrators	31%
Network & computer system admins	28%
Software developers, applications	28%
Computer systems analyst	22%
Information Security Analysts, Web Developers, and Computer Network Architects	22%
Computer & information systems managers	18%
Computer support specialists	18%
Computer programmers	12%

Source: U.S. Bureau of Labor Statistics Occupational Outlook Handbook via [Computerworld](#)

Information Systems Salaries

Computer and Information Systems Managers	\$120,950
Computer Systems Analysts	\$79,680
Database Administrators	\$77,080
Software Developers	\$93,350
Web Developers	\$62,500

2012 Median Pay from Bureau of Labor Statistics
www.bls.gov

What Courses Will I Take?

- Core web & computing courses
- Capstone team project in a local company
- IS Specializations (five courses)
 - New Media*
 - Business (includes Business minor)*
- Career Tracks (3-4 courses)
 - Database
 - Network
 - Management of Information Systems
 - Medical Informatics (Healthcare Information Systems)
 - Systems Analysis & Design
 - Intelligence & Decision Support
 - Web Systems
 - Information Systems Security, Auditing and Crisis Response
 - Human Computer Interaction
 - Build your own career track
- 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)
- Project management
- Web, social network & multimedia applications
- Decision support systems
- Collaboration & team support
- Digital libraries