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 best thing I have found at NJIT is professors who actually care about their fields and the classes that they teach. They often include their own projects and experiences allowing you to see what goes on in the real world instead of plain classroom lectures. Living on a compact campus is really convenient because you don't have far to walk for classes and you see your friends and classmates more often.

*Nate Laws - IS Alumnus*

In order to be best prepared for a career amidst the ever-changing landscape of Information Systems, I knew that a strong educational foundation was necessary. My choice of NJIT, with both an exceptional faculty and a curriculum that reflects the latest Information fields have to offer, indeed has given me more confidence in my future by the day.

*Michael Tuccillo – IS Alumnus*
Why Study Web & IS at NJIT?

- State-of-the-art IS curriculum.
- Strong Co-op and Internship programs with major local companies.
- Very flexible major, with many specialization tracks and application environments to fit your interests.
- Web technology courses are taught with hands-on projects in computer labs.
- Pre-med & Elementary/Secondary Education Certification options.
- Study part-time or full-time.
- Undergraduate research opportunities with IS professors.

What Will I Learn?

- Web systems design & IS 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 web & information system applications

The IS Focus

Analysis
Design
Evaluation
Quality Control
Collaboration

for
web, information & communication systems

What Jobs Can I Get?

Lots! Web & IS jobs are among the highest paying and fastest growing, according to the U.S. Department of Labor.

Web and IS graduates move into positions of responsibility and leadership in corporations, small businesses, government and community organizations. Modern enterprises depend on IS specialists, valuing their ability to design innovative, effective computing solutions meeting complex organization objectives.

WIS 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%                      |


What Courses Will I Take?

Core Web Courses

- Intro to Website Development
- Advanced Website Development
- Building Web Applications
- E-Commerce Technology
- Web Standards
- Mobile Applications: Design, Interaction, Implementation
- Web Mining and Information Retrieval
- Advanced Web Applications
- Social Network Analysis

Core Information Systems Courses

- Intro to Information Systems
- Designing the User Experience
- Computing Applications in Business
- Requirement Analysis and Systems Design
- Discovering User Needs and Enhancing UX
- IS Management and Business Processes
- Advanced Information Systems

Capstone team project in a local company
Co-op & Internship program (optional)

What Web & IS Topics Can I Study?

- Web, Social Networking & Multimedia Applications
- User Interfaces & the User Experience
- Search Engine Design
- Web & Data Mining
- Design of Recommender Systems
- Databases behind Web Systems
- E-Commerce Design
- Content Management Systems
- Computer Supported Cooperative Work

Web & IS 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