

## 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 Industry Says

*“Business processes and their effective utilization require an understanding of both business and technical aspects. This new degree uniquely provides both, which is essential for students to yield true value as soon as they are hired. Graduates will be in great demand and will provide the leadership required to solve complex challenges.”* **Jerry Casarella, Chief Information Architect, PSE&G**

*“Technology has left the back rooms of today's corporations and is now a central consideration in virtually all daily operations and strategic initiatives. This program will help you build a career that meets a critical need with today's global economy and strategic partnering.”* **James Markulic, Senior IS Consultant**

## What Our Alumni Say

*“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**

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# BS in Business and Information Systems

*E-Commerce, Computing and  
Business*



Department of Information Systems

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

**THE EDGE IN KNOWLEDGE**

## Why Study Business & IS at NJIT?

- ✚ ABET accredited.
- ✚ IS Department is a member of SAP University Alliance.
- ✚ A unique offering of a state of the art curriculum.
- ✚ Professors are expert in their fields and are student focused.
- ✚ A very active Career Services Division that promotes co-op, internship, and job opportunities with major local companies.
- ✚ Study full time or part time.
- ✚ Undergraduate research opportunities with faculty.



## Why Business and IS?

The BS in Business and IS degree provides the best of both worlds – a solid understanding of business concepts and the technical know-how to support the needs of an organization and its customers.

### The Business + IS Focus

Analysis, Requirements, Design, Evaluation,  
Collaboration

*for*

Information Systems in Businesses

## What Jobs Can I Get?

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

### Sample Job Titles

- ✚ ERP/CRM Analyst (enterprise resource planning /customer relationship management analyst)
- ✚ Application Analyst / Designer
- ✚ E-commerce/Business Web Systems Architect
- ✚ Accounting IS Analyst
- ✚ Database Administrator / Designer
- ✚ Business Systems Analyst / Designer

### Sample BIS Job Salaries\*

ERP Project Manager.....	\$119,233
ERP Analyst.....	\$63,622
ERP Programmer.....	\$71,111
Database Marketing Manager .....	\$94,375
Database Administrator.....	\$64,753
Business Data Analyst.....	\$55,224
Business Systems Analyst.....	\$54,855

\*Source: Salary.com October 2014

## BIS Job Growth Forecast through 2020

Job title	Pct job growth forecast
Database administrators	31%
Software developers, applications	28%
Computer systems analyst	22%
Computer & information systems managers	18%
Computer support specialists	18%

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

## What Will I Learn?

- Designing innovative business systems
- Evaluating the impact of business systems on people and organizations
- Information and web technology skills
- Processes, information flows and requirements within organizations
- Accounting, marketing, management, and other business knowledge
- Our capstone course features a team project sponsored by a company!

## What Courses will I Take?

### ✚ Technical Foundation Courses

- Building Web Applications
- Database Design, Management, and Applications

### ✚ Core IS Courses

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

### ✚ Core Business Courses

- Survey of Accounting
- Economics
- Business Statistics
- Financial Markets and Institutions
- Human Resources Management
- Fundamentals of Corporate Finance
- Principles of Marketing
- International Business