

# Business and Information Systems Implementation

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Click here (<http://www.njit.edu/graduatestudies/sites/graduatestudies/files/gainfulemployment/business-information-systems-cert-gainful-employment.html>) for the Gainful Employment Disclosure for this program. Changes in information technology have been substantial in recent years; such as, analysis, design and programming have become "object-oriented" and information systems are impacted by concerns for privacy, ethics, intellectual property, and compliance issues.

Who would be suited to take this program?

This certificate is designed for systems analysts, systems consultants, project managers, and development team leaders. Besides learning about IS topics such as databases, application development tools, web design, software use and evaluation, management information, and decision support systems, students will learn such business topics as accounting, finance, financial products, business operations, and marketing.

What will I learn?

In this program you'll learn:

- Basic Java constructs and syntax, as well as core advanced features
- The role of information systems in organizations, with a focus on management information systems
- And more in two elective courses

Why study Business and Information Systems Implementation at NJIT?

This certificate provides an update on current information technologies and practices. The focus is on a broad view of the delivery of data content and applications in an organization and the identification of trends that will have a major impact on future business results.

It's possible to earn the certificate entirely through online course, so you can more easily fit it into your busy life. And whether you take courses online or on campus, you'll learn from NJIT's distinguished professors and instructors of the Department of Computer Science (<http://cs.njit.edu/>).

Prerequisites

NJIT's standard admission requirements apply to this graduate certificate. In addition, non-elective courses within the program require:

- Advanced web-based programming skills
- An understanding of object-oriented programming concepts such as encapsulation, inheritance, and polymorphism
- Experience with C++
- Knowledge of a higher-level programming language and a computer system

Check the course descriptions for full details.

Note: Students lacking background relevant to NJIT's IS 513, IS 531 or IS 565 courses may need to take a placement exam, or take undergraduate bridge courses at NJIT or elsewhere. Please, contact the IS department for details. More information is found here (<http://is.njit.edu/academics/graduate/PlacementExam.php>).

Related Degree Programs

All track 1 credits may be applied toward the NJIT MS in Information Systems or MS in Business and Information Systems.

All track 2 credits may be applied toward the NJIT MS in Business and Information Systems (<http://catalog.njit.edu/graduate/computing-sciences/information-systems/business-information-systems-ms/>) or MS in Computing and Business (<http://catalog.njit.edu/graduate/computing-sciences/computer-science/computing-business-ms/>) or MS in Information Systems (<http://catalog.njit.edu/graduate/computing-sciences/information-systems/ms/>)

Gainful Employment Disclosure

Click here (<http://www.njit.edu/graduatestudies/sites/graduatestudies/files/gainfulemployment/transportation-studies-cert-gainful-employment.html>) for the Gainful Employment Disclosure for this program

What are the Required Courses?

Code	Title	Credits
<b>Core Courses (3)</b>		<b>9</b>
IS 601	Web Systems Development	
IS 663	System Analysis and Design	
IS 684	Business Process Innovation	

**Electives: Select (1) of the following:**

**3**

CS 602	Java Programming
IS 631	Enterprise Database Management
IS 661	User Experience Design
ACCT 615	Management Accounting
HRM 601	Managing Organizational Behavior in Technology-Based Organizations
IS 677	Information System Principles
or MIS 645	Information Technology and Competitive Advantage
IS 678	IT Service Management