

# NJIT

New Jersey's Science &  
Technology University

THE EDGE IN KNOWLEDGE

## The Bachelor of Science in Computing and Business



Department of Computer Science  
College of Computing Sciences  
School of Management

**New Jersey Institute of Technology**

## WHY STUDY COMPUTING AND BUSINESS?

Technology and science are dramatically changing our economy and our society. This is creating new business opportunities and needs, with an increasing push for computing employees to be more involved in business aspects of a company. Computing employees must have a solid understanding of business fundamentals to succeed. Specifically designed to address this issue, the BS in Computing and Business degree is primarily for people who want to develop, use and manage software applications and systems in a business environment. The U.S. Bureau of Labor Statistics points to very strong need for managers with technical skills well into the next decade.

## WHY STUDY COMPUTING AND BUSINESS AT NJIT?

Drawing from the rich technological resources of New Jersey's science and technology university, the BS in Computing and Business is offered jointly by the College of Computing Sciences and the School of Management. With one of the most computing intensive campuses in the world, NJIT has pioneered in the applications of new technologies as learning tools. The College of Computing Sciences educates one of the largest groups of information technology students in the nation. The NJIT School of Management offers excellent business education. The school has been recognized among the limited number of business schools accredited by AACSB -- The International Association for Management Education, the top national accreditation body for management education. Similarly, NJIT's College of Computing Sciences has an outstanding faculty dedicated to preparing students for exciting careers in Computing Sciences, and its degrees have been recognized by the Computing Accreditation Commission of ABET, the top national accreditation body for computing education.

### WHAT WILL I LEARN?

The BS in Computing and Business teaches concepts in computer science and business to function effectively in designing, building, enhancing, and maintaining software systems and applications in the context of business environments such as in the financial industry. Besides computing topics such as networking and security, databases, data structures, operating systems, and software engineering, students will learn fundamental business concepts such as accounting, finance, financial products, business operations, and marketing.

### WHAT OPPORTUNITIES FOR EMPLOYMENT ARE THERE?

NJIT graduates with a BS in Computing and Business will have a unique combination of business and computing knowledge that will open doors to numerous computing jobs in finance, insurance, marketing, telecommunications, consulting, and the pharmaceutical industry, as well as many other areas. Since NJIT is located in the New York metropolitan area, the financial capital of the world, the Computing and Business degree at NJIT is particularly well suited for those wanting to pursue a computing career in the financial world.

In general, graduates will be able to find jobs, for example, designing and developing software, designing databases, installing and running applications, ensuring security by setting up and maintaining firewalls, protecting and managing networks, running computer systems, enhancing financial systems, developing and maintaining websites and e-commerce systems, and providing computing support for business functions such as trading and financial analysis. In addition, the solid training in business fundamentals from the Computing and Business degree will enable graduates to excel in the business world and move up the corporate ladder.

### ARE THERE OPPORTUNITIES FOR REAL-WORLD EXPERIENCE?

There are abundant co-op and internship opportunities and exciting research assistantships exploring cutting-edge science and technology. In addition, the College of Computing Sciences' Capstone Program matches interdisciplinary teams of senior students with clients from industry, government and university programs to develop customized software and database applications, to design and test devices, or to analyze and diagnose a variety of business problems. Clients have included large organizations, such as Johnson & Johnson, IMS Health, CIT, PSE&G and Honeywell, as well as smaller high-tech companies like Nextech Group, Morpholytics, and Cyberextruder. There are also opportunities to work on projects in the federal, state and local governments, including the city of Newark, the New Jersey Governor's Office, and the FBI. For more research-oriented students looking to go on to graduate school, there are projects that get students involved in groundbreaking research with NJIT faculty in all areas of computing.

### NJIT AT A GLANCE

- New Jersey's Science and Technology University, founded in 1881.
- Enrollment of just over 8,200 undergraduate and graduate students in six schools allows small-college intimacy with big university resources.
- 45-acre campus with a recently-completed \$83-million construction program featuring a new Campus Center.
- A *U.S. News and World Report* "Top National University" and a *Princeton Review* "Best College."
- Ranks 9th in the nation in diversity with students from more than 100 countries.
- 13:1 faculty-student ratio

### FOR FURTHER INFORMATION

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### TO APPLY:

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