

Master of Science in Computing & Business



Department of Computer Science

College of Computing Sciences

New Jersey Institute of Technology

WHY PURSUE A MASTER'S DEGREE IN COMPUTING & 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 MS 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 & BUSINESS AT NJIT?

Drawing from the rich technological resources of New Jersey's science and technology university, the MS in Computing and Business is offered by the College of Computing Sciences. 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 computing students in the nation. NJIT's College of Computing Sciences has an outstanding faculty dedicated to preparing students for exciting careers in Computing Sciences, and its undergraduate degrees have been recognized by the Computing Accreditation Commission of ABET, the top national accreditation body for computing education.

DEGREE OVERVIEW

The MS 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 mining, and data structures, students will learn fundamental business concepts such as accounting, finance, financial products, business operations, and marketing.

DEGREE REQUIREMENTS: 33 CREDITS

4 Business Core

ACCT 615 Management Accounting
FIN 600 Corporate Finance I
HRM 601 Organizational Behavior
MRKT 620 Competing in Global Markets

4 Computer Science Core

CS 610 Data Structures & Algorithms
CS 631 Data Management Systems Design
CS 634 Data Mining
CS 696 Network Management & Security

3 Electives

Selected from an approved list

REAL-WORLD & RESEARCH OPPORTUNITIES

There are abundant co-op and internship opportunities exploring cutting-edge science and technology. Students also have opportunities to get involved in groundbreaking research with NJIT faculty in all areas of computing.

FINANCIAL AID

Student Financial Aid Services helps provide NJIT students with every opportunity to obtain funding to support their educational costs. To apply for financial aid please visit: njit.edu/financialaid/

EMPLOYMENT OPPORTUNITIES

NJIT graduates with an MS 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, among other areas. Since NJIT is located in the New York metropolitan area, the financial capital of the world, this degree is particularly well suited for those wanting to pursue a computing career in the financial world.

DEVELOP NEW SKILLS & KNOWLEDGE

- Design and develop software and databases
- Install and run applications
- Ensure security by setting up and maintaining firewalls
- Run computer systems
- Enhance financial systems
- Develop and maintain websites and e-commerce systems
- Provide computing support for business functions such as trading and financial analysis

POSSIBLE CAREER OPTIONS

- Financial Systems Analyst
- IT Consultant
- Database Manager
- Business Analyst

ADMISSION REQUIREMENTS

Applicants are expected to have:

- An undergraduate degree in computer science or a related field, with a minimum GPA of 3.0 on a 4.0 scale.
- GRE scores (Verbal 143, Quantitative 151, Analytical 4.0) for all foreign degree holders.
- TOEFL scores (minimum of 79) for all visa holders.

Applicants not satisfying these criteria will be considered for conditional admission on a case-by-case basis and may be required to complete a bridge program outlined in their acceptance letter.

FOR MORE INFORMATION CONTACT:

ccs-advising@njit.edu
cs.njit.edu/academics/graduate/mscb.php

TO APPLY:

Office of Graduate Admissions
(973) 596-3300
njit.edu/admissions/graduate/apply_online.php