The Graduate Certificate in IT Administration
Entirely Online and In Class

Department of Information Technology
College of Computing Sciences

New Jersey Institute of Tech-
WHY PURSUE A GRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY ADMINISTRATION?
According to the U.S. Bureau of Labor Statistics, employment of network and computer systems administrators is expected to increase by 27 percent by 2016. Computer systems and networks are an integral part of business. The wide use of electronic commerce and the increasing adoption of mobile technologies mean that more establishments will use the Internet to conduct business online. This growth translates into a need for systems administrators who can help organizations use technology to communicate with employees, clients, and consumers. Demand for computer security specialists will grow as businesses and government continue to invest heavily in “cyber security,” protecting vital computer networks and electronic infrastructures from attack. The information security field is expected to generate many new systems administrator jobs over the next decade as firms across all industries place a high priority on safeguarding their data and systems.

WHY STUDY INFORMATION TECHNOLOGY ADMINISTRATION AT NJIT?
NJIT has a long history of innovation in digital communications. The university educates one of the largest groups of information technology students in the nation. Not coincidentally, New Jersey is one of the leading states for computing and high technology businesses. Thirty of the nation’s fastest growing technology companies are based in the state. New Jersey ranks 7th in the nation as a cyberstate and 8th for venture capital investment – $3.5 billion – in information technology and software. New Jersey offers the highest median salary in the nation for information systems managers. NJIT has been designated a Center of Academic Excellence in Information Assurance Education by the National Security Agency.

GAINFUL EMPLOYMENT DISCLOSURE
For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at: http://adultlearner.njit.edu/programs/itadministration-cert-qe.php

WHAT WILL I LEARN?
This certificate will provide the basics of IT administration as well as a solid technical background in databases and networking. Students learn concepts, principles, techniques, and practices needed to administer and secure a modern IT environment. Security is a main component and discussed in detail. Topics covered include:

- Administration of host server systems in a modern operation system environment
- Fundamentals of wireless network security and administration
- Protocols and standards of TCP/IP suite that govern the functions of the Internet
- Security control risks and issues
- Various network architecture and protocol standards
- Security control risks and issues

WHAT COURSES ARE OFFERED?
Required: Core Courses
CS 656  Internet and Higher Layer Protocols*
IT 610  System Administration*
IT 620  Wireless Networks Security and Administration
Select one (1) from:
CS 631  Data Management System Design*
IS 631  Enterprise Database Management*
IT 635  Database Administration
IT 640  Network Services Administration*
Complete course descriptions can be found in the NJIT Online Catalog at http://catalog.njit.edu/graduate.

*Now or shortly available online. Courses are subject to change. √ Take care to select courses in proper order. Check course descriptions, because they state if one course must be taken before (i.e.; is a prerequisite to) another.

WHERE ARE THE CLASSES OFFERED?
The full credential can be studied party online and at NJIT’s Newark campus. Customized NJIT degrees and academic certificates can be brought on-site to your company or customized and conducted at a location convenient to a consortium of companies.

WHAT IS THE TUITION FOR GRADUATE COURSES?
Use the tuition calculator to see full costs, and the fuel saving calculator to figure how much gas money is saved by studying online, visit: http://adultlearner.njit.edu/costs.

IS FINANCIAL AID AVAILABLE EVEN FOR PART-TIME STUDENTS?
Yes, sources of financial aid or tax credits are available at: http://adultlearner.njit.edu/costs.

CAN THE GRADUATE CERTIFICATE BE APPLIED TO AN ADVANCED DEGREE?
Courses in the Graduate Certificate program in Information Technology Administration can be wholly applied to NJIT’s MS in IT Administration and Security or MS in Information Systems or MS in Cyber Security and Privacy or MS in Business and Information Systems.

HOW DOES THE GRADUATE CERTIFICATE PROGRAM WORK?
In any given year, NJIT offers a new slate of Graduate Certificates, each in a specific area which is in a fast growing and employable profession. Each stand-alone credential is a milestone in its own right and can be a 12-credit springboard to a matching Masters Degree program at NJIT or elsewhere. The credential can be completed in as little as one academic year of part-time study. Many can be studied online, in whole or partially. The straightforward and rapid admissions process requires possession of an undergraduate degree with a satisfactory grade point average. A GRE or GMAT score is not a pre-requisite. Depending on the program, courses can be taken online, on campus, or at NJIT extension sites around New Jersey. For a complete list of available Graduate Certificates, please visit: http://www.njit.edu/gradcert.

BRINGING A GRADUATE CERTIFICATE TO YOUR COMPANY
Arrangements can be made to bring a Graduate Certificate or Master’s program on-site to your company. A customized Graduate Certificate can also be offered to match your company’s area of technological and managerial specialty. For more information about Company Collaborative Graduate Certificates or enrollment in any of our Graduate Certificates, please contact Continuing Professional Education.

FOR FURTHER INFORMATION:
Division of Continuing Professional Education
1-800-624-9850 (Toll Free)
1-973-596-3060 (New Jersey)
Email: cpe@njit.edu

ON THE WEB:

APPLY ONLINE:
http://adultlearner.njit.edu/admissions