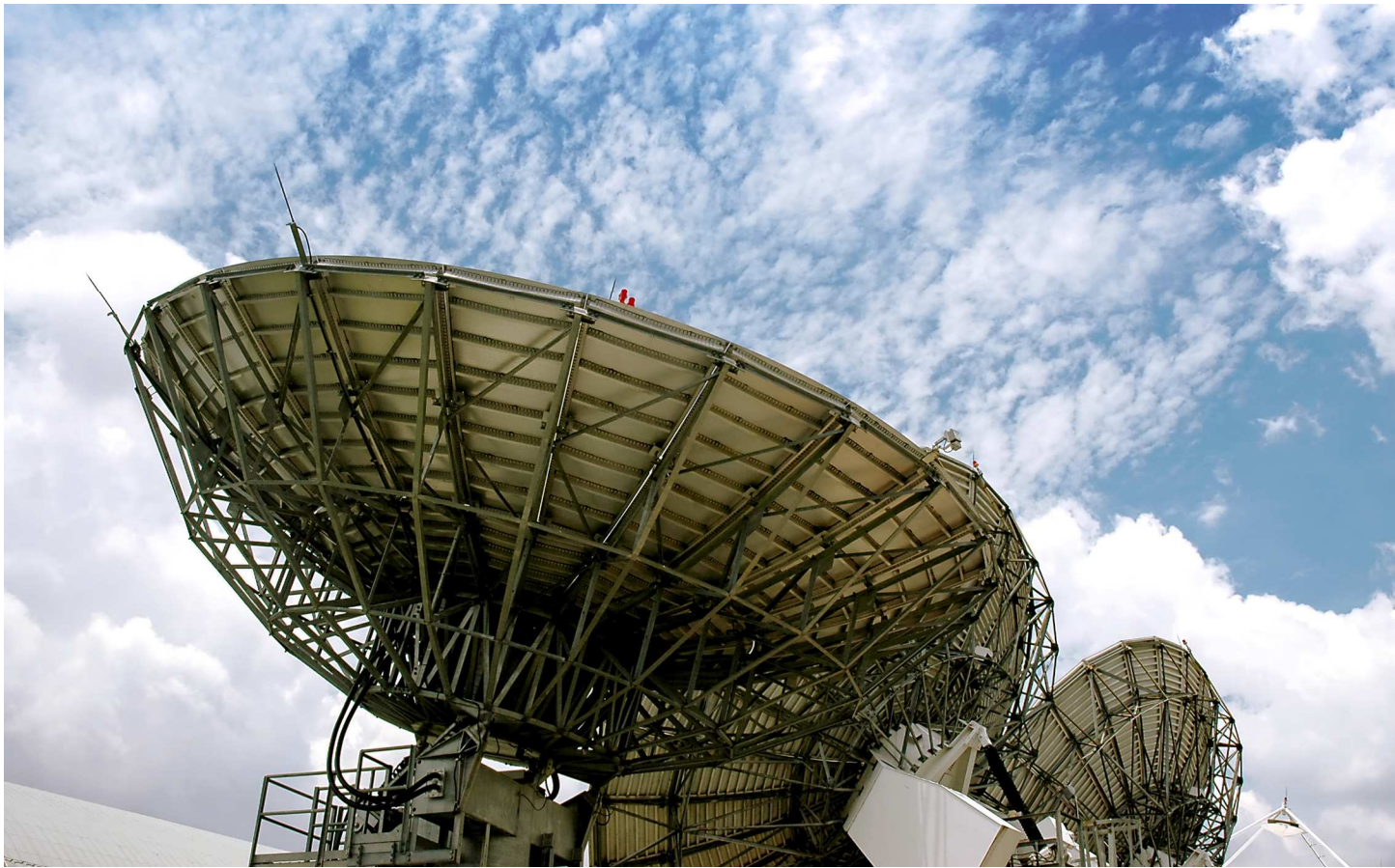


The Graduate Certificate in Network Security and Information Assurance

Entirely Online and In Class



Department of Computer Science

College of Computing Sciences

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New Jersey Institute of Technology

May 2012 Rev

WHY PURSUE A GRADUATE CERTIFICATE IN NETWORK SECURITY AND INFORMATION ASSURANCE?

With the ubiquitousness of computer technology and the growth of the Internet, digital information has become one of the most critical resources for all types of organization -- public and private -- and for society as a whole. The amount of digital information stored is growing exponentially, and so is the need to provide wide and efficient access to it. Unfortunately, errors and malicious attacks readily propagate along the same channels as legitimate access to information. Consequently, security failures are frequent and their consequences may be serious or catastrophic; recovery may be difficult and expensive. Measures to assure the security and integrity of computer networks and the information are critical.

WHY STUDY NETWORK SECURITY AND INFORMATION ASSURANCE AT NJIT?

NJIT is one of the most computing intensive campuses in the nation. Ranked by the Princeton Review as one of America's "Best Colleges" and recipient of the NJ Technology Councils "Excellence in Technology Education". NJIT has also been designated a Center of Academic Excellence in Information Assurance Education by the National Security Agency. This NJIT Graduate certificate has been certified by the USA National Security Agency to be compliant with the National Training Standard for Information Systems Security (INFOSEC) Professionals, NSTISSI No. 4011.

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/networksecurity-cert-ge.php>

WHAT WILL I LEARN?

This certificate program covers:

- An overview of computational methods used to provide secure Internet communication
- The fundamentals of current network management technology and techniques and emerging network management standards
- An overview of widely used security applications, schemes, and practices on the Internet and enterprise networks
- A working knowledge of information assurance and particular network and computer security concepts, applications, and standards
- Audit, control and security issues, requirements, and processes in organizational information systems
- Relevant issues in computer security auditing

WHAT COURSES ARE OFFERED?

Required - Select two (2) courses from:

IS 680	Information Systems Auditing*
IS 681	Computer Security Auditing
IS 682	Forensic Auditing for Computing Security*
IS 687	Transaction Mining and Fraud Detection

Select one (1) course from:

CS 651	Data Communications
CS 652	Computer Networks-Architectures, Protocols and Standards*
CS 656	Internet and Higher-Layer Protocols*

Select one (1) course from:

CS 631	Data Management System Design*
IS 631	Enterprise Database Management*

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 **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>.

Studying **ONLINE**, but live out-of-state? Benefit from the new **online tuition rate** just for you, visit: <http://online.njit.edu>.

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 Network Security and Information Assurance can be wholly applied to NJIT's MS in Computer Science or MS in Information Systems or MS in IT Administration and Security.

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:

<http://www.njit.edu/gradcert> / <http://twitter.com/njitcpe>

APPLY ONLINE:

<http://adultlearner.njit.edu/admissions>