



# COMPUTER NETWORKING MANAGEMENT

## MASTER OF SCIENCE

### DEPARTMENT OF TECHNOLOGY SYSTEMS

#### THE COLLEGE OF TECHNOLOGY AND COMPUTER SCIENCE AT ECU AND THE NATIONAL DEFENSE UNIVERSITY

East Carolina University, in partnership with the National Defense University, offers a Master of Science degree with **Computer Networking Management**. This technical program provides hardware and software experiences network security, enterprise network system design, implementation, and management. The Computer Networking Management concentration provides experiences which would be helpful in the following jobs: Network Architect, Information Security Officer, Network Administrator, Corporate Technology Trainer, Computer Analyst, Information systems consultant, and Technology Integration Specialist.

#### Core Courses: (12 s.h.)

ITEC 6050 (3) Strat. for Tech Management and Communications  
ITEC 6000 (3) Statistical Applications in Industry\*\*  
ITEC 6406 (3) Capital Project and Cost Analysis for Industry \*  
ITEC 6200 (3) Technology Project Management\*

#### Computer Networking Management Specialization Courses: (18 s.h.)

DTEC 6823 (3) Information Security Management\*\*  
DTEC 6850 (3) Managing Technological Change\*\*  
DTEC 6865 (3) Fundamentals of Network Security  
DTEC 6875 (3) Emerging Technology  
DTEC 6880 (3) Adv. Topics Information Infrastructure Design  
DTEC 6885 (3) Network Management Technology

#### Notes:

\* 15 hours are transferred upon completion of the NDU's AMP and CIOC program & acceptance into the MSIT program.

# 9 hours are transferred upon completion of the NDU's IAC program & acceptance into the MSIT program

#### ADMISSION STANDARDS

An applicant must have a baccalaureate degree from an institution accredited by a regional association and have an overall GPA of 2.5 on a 4.0 scale on all undergraduate work. Applicants must have completed the National Defense University's AMP and CIOC programs, which incorporate three key competency subject areas (Capital Planning and Investment, Security and Assurance, and Acquisition). The GRE requirement has been waived.

**Prerequisite** CCNA or equivalent coursework.

#### ADMISSION PROCEDURE

- Request and complete a graduate application packet from the Office of Graduate Studies, <http://www.ecu.edu/gradschool/>. Applications will be evaluated on a case-by-case basis.
- Complete and return the Technology Systems (TECS) Entrance Application found at: [http://www.tecs.ecu.edu/tsys/grad/Entrance\\_Application.doc](http://www.tecs.ecu.edu/tsys/grad/Entrance_Application.doc).
- Full requirements, responsibilities, and procedures of the Graduate School are located at: <http://www.ecu.edu/data-aa/grcat/grcat0506/grcat0506.pdf>

For more than seven years, the Department of Technology Systems has offered the MSIT online. The program is Internet-based and students are advised, complete courses, collaborate on projects, perform research, and complete the degree via the Internet. Each student should have a state-of-the-art computer and reliable Internet access. Students report that they spend an average of 12 hours per week in preparation for and participating in each course. Average completion time is 21 months and the courses are scheduled in a tight sequence for the fall, spring, and summer semesters. Formats for the courses vary by instructor but all include frequent interaction with the instructor and other students. Self-reliance is a must for successful students. Courses are offered using a variety of Internet-based tools including email, chat, threaded discussion, web, file transfer, audio, video, and collaboration tools. The first course in the program, ITEC 6050, introduces the use of these tools in a collaborative research/study environment.

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