



MASTER OF SCIENCE TECHNOLOGY SYSTEMS DIGITAL COMMUNICATIONS TECHNOLOGY



THE COLLEGE OF TECHNOLOGY AND COMPUTER SCIENCE AT EAST CAROLINA UNIVERSITY AND THE NATIONAL DEFENSE UNIVERSITY

East Carolina University, in partnership with the National Defense University, offers the Technology Systems Master's of Science degree with **Digital Communications concentration**. This technical program provides hardware and software experiences in the selection, installation, and management of intra/internet client/server networking systems. The Digital Communications Technology concentration provides experiences which would be helpful in the following jobs: Chief Information Officer, Network Administrator, Information Security Officer, Corporate Trainer, Computer Analyst, Corporate Consultant, Technology Transfer Directors, Technology Integration Specialist, and Director of Distance Learning.

Core Courses: (12 s.h.)

ITEC 6050 (3) Strategies for Technical 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*

Digital Communication Specialization Courses: (18 s.h.)

DTEC 6810 (3) Communication Technology[#]
 DTEC 6820 (3) Networking Technology for Industry
 DTEC 6823 (3) Information Security Management[#]
 DTEC 6830 (3) Advanced Networking Technology
 DTEC 6840 (3) Communication Strategies for Industry
 DTEC 6850 (3) Managing Technological Change*

* 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. 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.

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 the Technology Systems (TECS) Entrance Application, found at: 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. Most of the students in our MSIT program are working professionals who are pursuing the degree for career advancement. Average completion time is 21 months and the courses are scheduled in a tight sequence for the fall, spring, and summer semesters. 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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