MASTER OF SCIENCE IN
TECHNOLOGY SYSTEMS
NATIONAL DEFENSE UNIVERSITY PARTNERSHIP

CONCENTRATION IN
DIGITAL COMMUNICATIONS

East Carolina University, in partnership with the National Defense University, offers the Masters of Science in Technology Systems (MSTS) with a concentration in **Digital Communications**. This technical program emphasizes a broad understanding of communication theory and practice in the transmission of digital data, including signal generation, conditioning, transmission, error detection and correction, and the underlying technologies used to retrieve, process, store, and analyze data in organizations. The 18-hour concentration builds upon a 12-hour core to provide a solid foundation for careers and occupations as: 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, etc.

Core Courses (12 Semester Hours)	Concentration Courses (18 Semester Hours)
ITEC 6050 Strategies for Technical Management and Communications (Program Introduction) ITEC 6000 Statistical Applications in Industry*[#] ITEC 6200 Technology Project Management* ITEC 6406 Capital Project and Cost Analysis for Technology*	ICTN 6810 Communication Technology[#] ICTN 6820 Networking Technology for Industry ICTN 6823 Information Security Management*[#] ICTN 6830 Advanced Networking Technology ICTN 6840 Communication Strategies for Industry ICTN 6850 Managing Technological Change*
15 hours are transferred upon completion of the NDU's AMP and CIOC program & acceptance into the MSTS program. *[#] 9 hours are transferred upon completion of the NDU's IAC program & acceptance into the MSTS program*	

ADMISSION STANDARDS

Applicants must have a baccalaureate degree from a regionally accredited institution and have an overall GPA of 2.7 on a 4.0 scale on all undergraduate work. Each applicant 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 standardized test requirement has been waived.

ADMISSION PROCEDURE

1. Complete and submit a graduate application from the ECU Office of Graduate Studies website at **www.ecu.edu/gradschool**.
2. Return any required forms such as the Statement of Legal Residence, Statement of Purpose, official copies of all transcripts, and three letters of reference to the ECU Office of Graduate Studies.

THE FINE PRINT

The Department of Technology Systems is a national leader in offering graduate, technology related degrees online. The program is Internet based and permits students to be advised, complete courses, collaborate on projects, conduct research, and complete the degree via the Internet. Each student should have a state-of-the-art computer and reliable high speed Internet access. Students typically spend 10-15 hours per week in preparing for and participating in each course. Courses are scheduled in a sequence over the fall, spring, and summer semesters and this allows program entry in any semester. All students must meet admission and retention standards established by the ECU Graduate School.

Comprehensive Exam: All students are required to pass the comprehensive exam, which covers all areas of the curriculum and also features a research write-up. Students who pursue the thesis-track option are exempt from the comprehensive exam.

*All information provided in this flyer is subject to change without notification. Students and applicants are required to review the Graduate Catalog (*www.ecu.edu/grcat/*) to learn about the current requirements, regulations, and policies.*

For more information contact:
Department of Technology Systems, Office of Graduate Studies
Phone: 252-328-9653   Email: mstechsystems@ecu.edu   Website: www.tecs.ecu.edu/msts