DIGITAL COMMUNICATIONS

CONCENTRATION

MASTER OF SCIENCE IN TECHNOLOGY SYSTEMS ONLINE

The Masters of Science in Technology Systems (MSTS) with a concentration in Digital Communications emphasize 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)	ICTN 6810 Communication Technology
ITEC 6000 Statistical Applications in Industry	ICTN 6820 Networking Technology for Industry
ITEC 6200 Technology Project Management	ICTN 6823 Information Security Management
ITEC 6406 Capital Project and Cost Analysis for Technology	ICTN 6830 Advanced Networking Technology
	ICTN 6840 Communication Strategies for Industry
	ICTN 6850 Managing Technological Change

ADMISSION STANDARDS

Applicants must have a baccalaureate degree from an institution accredited by a regional association and have an overall GPA of 2.7 on a 4.0 scale on all undergraduate work. Each applicant must achieve a satisfactory score on a standardized graduate test. The Graduate Record Examination (GRE) or the Miller Analogies Test (MAT) is preferred. The minimum acceptable test score is based on a moving scale determined by the ECU Graduate School. A student holding a masters degree from an accredited university does not have to retake the standardized graduate exam. Deficiencies in students' backgrounds are evaluated on a case-by-case basis. Remedial undergraduate courses and/or additional graduate courses may be required to complement the standard course work.

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. Most of the students in the program are working professionals who are pursuing the degree for career advancement. Average completion time is 24 months if six credits are taken per semester. 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.

*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

8/15/2011 KB/AF