



**MASTER OF SCIENCE IN
NETWORK TECHNOLOGY
ONLINE**

**CONCENTRATION IN
DIGITAL COMMUNICATIONS**

The Masters of Science in Network Technology (MSNT) 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 15 or 18-hour concentration builds upon a 15-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 (15 Semester Hours)	Concentration Courses (15 or 18 Semester Hours)
ITEC 6000 Statistical Applications in Industry ITEC 6060 Research Methods in Technology ITEC 6200 Technology Project Management ICTN 6823 Information Security Management ICTN 6878 Legal and Ethical Issues in Information Technology	ICTN 6810 Communication Technology ICTN 6820 Networking Technology for Industry ICTN 6830 Advanced Networking Technology ICTN 6840 Communication Strategies for Industry Tracks: <u>Thesis Track: ICTN 7000 Thesis</u> <u>Practicum Track: ICTN 6900 Practicum</u> <u>Non-thesis Track: Two elective courses + Comprehensive Exam</u>

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 achieve a satisfactory score on a standardized graduate test (GRE or MAT is preferred). Individuals whose undergraduate degree is more than ten years old and who have extensive professional experience related to the intended program of student may be eligible for a standardized graduate exam waiver. 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.

Prerequisite: Undergraduate degree from a related field or equivalent background. Candidates who do not possess such qualifications may be eligible with additional remedial work. Contact the program with a resume and unofficial transcripts prior to applying for admission for a background review.

ADMISSION PROCEDURE

1. Complete and submit a graduate application from the ECU Office of Graduate Studies website at gradschool.ecu.edu.
2. Submit any required forms such as the Statement of Legal Residence, Statement of Purpose, resume, 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.

Comprehensive Exam: All non-thesis track 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 or the practicum 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 (catalog.ecu.edu) to learn about the current requirements, regulations, and policies.

For more information contact: Department of Technology Systems

Phone: 252-328-9653

Email: mstechsystems@ecu.edu

Website: cet.ecu.edu/techsystems

