



MASTER OF SCIENCE

TECHNOLOGY SYSTEMS

COMPUTER NETWORKING MANAGEMENT



The Master's of Science in Technology Systems, Computer Networking Management concentration prepares graduates for employment in the information technology field. The program provides hardware and software experiences in network security, enterprise network system design, implementation, and management. The 18-hour concentration builds upon the 12-hour core to provide knowledge to build career opportunities in occupations such as: Chief Information Officer, Network Architect, Information Security Officer, Network Administrator, Corporate Technology Trainer, Computer Analyst, Information systems consultant, and Technology Integration Specialist.

Core Courses (12 SH)	Concentration Courses (18 SH)
ITEC 6050 Strategies for Technical Management and Communications (Program Introduction)	DTEC 6823 Information Security Management
ITEC 6000 Statistical Applications in Industry	DTEC 6850 Managing Technological Change
ITEC 6406 Capital Project and Cost Analysis for Technology	DTEC 6865 Fundamentals of Network Security
ITEC 6200 Technology Project Management	DTEC 6875 Emerging Technology
	DTEC 6880 Advanced Topics Information Infrastructure Design
	DTEC 6885 Network Management Technology

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. Each applicant must take a standardized graduate test such as the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT) and achieve a satisfactory score.

Prerequisite CCNA or equivalent coursework

ADMISSION PROCEDURE

- Request and complete a graduate application packet from the Office of Graduate Studies. Applications will be evaluated on a case-by-case basis.
- Complete and return the Department of Technology Systems (TECS) Entrance Application located 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/gradschool/>

The Department of Technology Systems is a national leader in offering graduate, technology related degrees 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 will spend 6-10 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 per semester are taken. Courses are scheduled in a sequence over the fall, spring, and summer semesters and this allows program entry in any semester. Formats for the courses vary but all include frequent interaction with the instructor and other students. Courses are offered using a variety of Internet-based tools including streaming video, email, chat, threaded discussion, web, file transfer, and collaboration tools. The first course in the program, ITEC 6050, introduces the use of these tools in a collaborative research/study environment.

For more information contact:

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