



MASTER OF SCIENCE IN NETWORK TECHNOLOGY ONLINE

CONCENTRATION IN INFORMATION SECURITY

The Masters of Science in Network Technology (MSNT) with a concentration in **Information Security** prepares professionals to design, deploy, manage, and apply techniques of securing and protecting the integrity and availability of information systems and communication networks in governmental, private, and non-profit organizations. The 15 or 18 hour concentration builds upon the 15-hour core to provide knowledge to build career opportunities in occupations such as: Network Architect, Information Security Officer, Network Administrator, Corporate Technology Trainer, Information Systems Analyst, Chief Information Officer, Information Technology Specialist, and Technology Integration Specialist.

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 6865 Fundamentals of Network Security ICTN 6870 Advanced Network Security ICTN 6873 Network Intrusion, Detection and Incidence Response ICTN 6883 System Integrity for Information Technology 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: CompTIA Security+ certification or Cisco CCNA certification or equivalent training. Candidates who not possess such qualifications may be eligible with additional remedial coursework. 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

