



**MASTER OF SCIENCE IN  
 TECHNOLOGY SYSTEMS**  
**NATIONAL DEFENSE UNIVERSITY PARTNERSHIP**

CONCENTRATION IN  
**INFORMATION SECURITY**

East Carolina University, in partnership with the National Defense University, offers the Masters of Science in Technology Systems (MSTS) with a concentration in **Information Security**. This technical program 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 18-hour concentration builds upon the 12-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 (12 Semester Hours)	Concentration Courses (18 Semester Hours)
ITEC 6050 Strategies for Technical Management and Communications (Program Introduction)	ICTN 6823 Information Security Management*#
ITEC 6000 Statistical Applications in Industry**	ICTN 6865 Fundamentals of Network Security
ITEC 6200 Technology Project Management*	ICTN 6870 Advanced Network Security
ITEC 6406 Capital Project and Cost Analysis for Technology*	ICTN 6873 Network Intrusion, Detection & Incidence Response
	ICTN 6878 Legal & Ethical Issues in Information Technology*#
	ICTN 6883 System Integrity for Information Technology
<p>* 15 hours are transferred upon completion of the NDU's AMP and CIOC program &amp; acceptance into the MSTS program.                      # 9 hours are transferred upon completion of the NDU's IAC program &amp; acceptance into the MSTS program</p>	

**ADMISSION STANDARDS**

An applicant 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. 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.

**Prerequisite:** CompTIA Network+ certification or Microsoft Network Essential certification or Cisco CCNA certification or equivalent course work, or completion of ECU graduate courses 6810 and 6820 prior to taking concentration coursework.

**ADMISSION PROCEDURE**

1. Complete and submit a graduate application from the ECU Office of Graduate Studies website at [www.ecu.edu/gradschool](http://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/](http://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](mailto:mstechsystems@ecu.edu)      Website: [www.tecs.ecu.edu/msts](http://www.tecs.ecu.edu/msts)