MASTER OF SCIENCE

TECHNOLOGY SYSTEMS

PERFORMANCE IMPROVEMENT

DEPARTMENT OF TECHNOLOGY SYSTEMS, COLLEGE OF TECHNOLOGY AND COMPUTER SCIENCE

The Master's of Science in Industrial Technology, Performance Improvement concentration prepares students for upper level positions in the human resources, training, organizational development or similar fields. This is an interdisciplinary program between the Department of Technology Systems and the Department of Librarianship, Educational Technology, and Distance Instruction. The content focuses on industry-based, problem-solving experiences and the application of educational processes and tools to improve performance of complex human - technological systems. The 18-hour concentration builds upon the 12-hour MSIT core to provide a solid career foundation for careers and occupations as: Traffic Manager, Distribution Center Manager, Production Control Manager, System Analyst, Product Line Sales Manager, Manager of Material control, Manager of Procurement, or Supply Chain Manager.

Core Courses (12 SH)	Concentration Courses (18 SH)
ITEC 6050 Strategies for Technical Management and Communications (Program Introduction)	ITEC 6001 Work Measurement and Design
ITEC 6000 Statistical Applications in Industry	EDTC 6010 Overview of Instructional Technology
ITEC 6406 Capital Project and Cost Analysis for Technology	EDTC 6020 Overview of Instructional Design
ITEC 6200 Technology Project Management	EDTC 6045 Interface Design
	EDTC 6401 Training Systems Engineering
	Elective from EDTC, ITEC, IDIS, PSYC, MGMT

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.

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.
- 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 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 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 visit: http://www.tecs.ecu.edu/tsys/grad/grad.htm or contact:

Dr. Charles Coddington
Performance Improvement Graduate Coordinator
209 Science and Technology Complex
East Carolina University, Greenville, NC 27858-4353
252-328-9652
coddingtonc@ecu.edu

Graduate Program Administrator
203 Science and Technology Complex
East Carolina University, Greenville, NC 27858-4353
252-328-9653
mstechsystems@ecu.edu