

# INSTRUCTIONAL TECHNOLOGY

Degree: Master of Education  
 Certificate: Human Performance Technology  
 Department: Engineering and Computer Technology  
 Building 77, Room 131  
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 College: Professional Studies

Instructional Technology professionals provide critical assistance for national and international education and training initiatives in the 21st century. The M.Ed. in Instructional Technology prepares education, military, and business and industry professionals to meet the challenges of complex problems from the perspective of education and training. Developing innovative solutions to organizational problems and providing for just-in-time support to employees and learners permits students to develop a variety of instructional technology-related skills. With the advent of the information explosion, industry, the military, and educational systems look for alternative and systematic strategies related to instructional technology and instructional systems in the education and training of employees and of children. Students in the M.Ed. program select courses from a minimum of two specializations in addition to the program core requirements.

Graduates of the M.Ed. in Instructional Technology work in curricular, instructional, performance or distance environments, designing, producing, and evaluating instructional materials, and managing teams or technology projects.

In addition to general University requirements, students seeking the M.Ed. in Instructional Technology must meet the requirements listed below.

## ADMISSION REQUIREMENTS

General university requirements for admission to graduate programs are described in the Graduate Admissions section. Graduate departments are currently developing departmental admission guidelines to govern admission to their specific disciplines. Refer to individual departments for more details regarding acceptable graduate admissions test, minimum score requirements, etc. In addition to general university requirements applicants must submit a letter of intent including the name, address, and phone number of three professional references.

## DEGREE REQUIREMENTS

To be eligible for an M.Ed. degree in Instructional Technology, a student must:

- Complete degree requirements within five years from the date of admission; and
- Be recommended for graduation by the Department of Engineering and Computer Technology; and

- During the last semester of enrollment, participate in a technology showcase scheduled by the department chairperson.

### Core Requirements (27-30 sh)

EDF 6218	Psychological Foundations for Education: Learning & Instruction.....	3
EDF 6404	Educational Statistics I .....	3
EDF 6481	Educational Research .....	3
EDG 5332	Principles of Instructional Design & Product Development.....	3
EME 6054	Foundations of Instructional Technology.....	3
EME 6316C	Instructional Management and Technology .	3
EME 6414C	Web-Based Instructional Tools for Educators	3
EME 6415	Designing Instructional Courseware .....	3
EME 6946	Field Experiences in Instructional and Performance Technology .....	3-6

### Specialization Areas (3-8 sh)

Students will select two courses in one specialization:

#### Curriculum and Technology

EME 6408	Integrated Technology Learning Environment.....	3
EME 6601	Needs Assessment & Evaluation in Instructional Technology Environments .....	3
EME 6607	Instructional Technology Planning and Change .....	3

#### Technology Leadership

EME 6314	Technology for Leaders.....	3
EME 6357	Tools for HPT Evaluation.....	1.5
EME 6358	Evaluation for MSA Professionals.....	1.5
EME 6628	Contract Administration: Large Scale Instructional Technology Systems .....	3

#### Telecommunications and Distance Learning

EME 5403	Education and Training Technology Support Systems .....	4
EME 5457	Distance Education Technologies.....	3
EME 5625	Technology Tools: Site-Based Educational Networks.....	4
EME 6409	Distance Learning Implementation .....	3
EME 6458	Distance Learning Policy and Planning.....	3

#### Human Performance Technology

EME 6426	HPT Interventions.....	3
EME 6427	Implementing HPT Interventions.....	3
EME 6428	Evaluating HPT Interventions .....	3
EME 6429	Human Performance Improvement.....	3

### Technology Electives (4-9 sh)

Students will choose sufficient electives to complete 36 sh in the program from courses listed below or those not taken as part of the chosen specialization:

EME 6626	Emerging and Innovative Technology Systems .....	3
EME 6936	Seminar in HPT Issues: Human-Computer Interaction .....	1.5
	5000/6000 level elective approved by advisor .....	3

#### Technology Showcase

Students participate in an internship or field experience as a capstone experience (EME 6946). The final project report serves as the technology showcase. If EME 6946 is chosen, the final project report will serve as the showcase.