



Advising Guide

Master of Science in Instructional Technology



COURSE	TITLE	TERM(S) OFFERED	TERM TAKEN
Core Instructional Technology Courses			
EDTC 6010	Introduction to Instructional Technology (3)	Fall, Spring, Summer	
EDTC 6020	Principles of Instructional Design (3)	Fall, Spring, Summer	
EDTC 6025	Analysis and Evaluation in Instructional Technology (3)	Fall, Spring, Summer	
Required MS in Instructional Technology Courses			
EDTC 6030	Authoring Systems for Instructional Product Development (3)	Fall	
EDTC 6040	Multimedia Instructional Product Development (3)	Spring	
EDTC 6135	Instructional Graphics for Educational Media (3)	Spring	
EDTC 6991	Capstone Project in Instructional Technology (3)	Summer	
EDTC 7030	Web Teaching: Design and Development (3)	Summer	
EDTC 7040	Instructional Strategies for Distance Learning (3)	Fall	
Research Course (Choose One)			
EDUC 6480 EDUC 6482 SCIE 6500	Introduction to Research (3) Trends and Issues in Educational Research for Practitioners (3) Understanding and Engaging in Educational Research (3)	Fall, Spring Fall, Spring, Summer Spring	
Instructional Technology Electives			
Elective	Consult with advisor; see list of electives below (3)		
Elective	Consult with advisor; see list of electives below (3)		
Common Electives			
EDTC 6045	Human-Computer Interface Design (3)	Fall (Odd Years)	
EDTC 6060	Using the World Wide Web for Research (3)	Fall	
EDTC 6240	Virtual Reality: Principles and Applications (3)	Fall (Even Years)	
EDTC 6300	Introduction to Distance Learning (3)	Summer	
EDTC 7330	Management of Distance Education (3)	Spring	

Course Catalog Descriptions

Required EDTC Courses

EDTC 6010. Introduction to Instructional Technology (3) Historical background, theories, instructional design and development, deliverers of instruction, current issues, and trends.

EDTC 6020. Principles of Instructional Design (3) Systematic process for design of instruction. Task analysis and task analysis diagrams, learner and context analysis, and development of instructional strategies.

EDTC 6025. Analysis and Evaluation in Instructional Technology (3) P: EDTC 6020. Introduces development of instructional analyses, strategies, and formative evaluation methods. Practical experiences in traditional and alternative instructional development and evaluation techniques.

EDTC 6030. Authoring Systems for Instructional Product Development (3) Use of authoring systems for design, development, and testing of instructional course ware.

EDTC 6040. Multimedia Instructional Product Development (3) P: EDTC 6010, 6025. Process of instructional product development using multimedia technologies. Develops multimedia instructional modules.

EDTC 6135. Instructional Graphics for Educational Media (3) Design and production of graphic and visual elements for instructional applications. Covers electronic and print-based static and interactive media.

EDTC 6991. Capstone Project in Instructional Technology (3) P: EDTC 6010, 6025, 6030, 6135, 7030; or permission from MS in instructional technology program coordinator. Initiation, development and completion of a capstone project.

EDTC 7030. Web Teaching: Design and Development (3) Formerly EDTC 7320 Principles of Internet (web-based) instruction, including instructional design components, and designing web pages for delivery of instruction.

EDTC 7040. Instructional Strategies for Distance Learning (3) Principles and theories of distance learning, including design, delivery, and evaluation.

Research Course Options – Choose One

EDUC 6480. Introduction to Research (3) Development and use of research, research methods, applied research, basic research, methods of reasoning, fallacies in reasoning, statistical methods, thesis writing, survey research, and evaluation of research.

EDUC 6482. Trends and Issues in Educational Research for Practitioners (3) Recent developments in educational research and implications for educational practitioners as research consumers. Emphasis on identification, analysis, application, and evaluation of developments in literature through field-based research.

SCIE 6500. Understanding and Engaging in Educational Research (3) Research on human development and learning and pedagogical knowledge and skills expected of master teacher. Current trends and issues in education, skills in data collection, and application of research in classroom.

Common Electives – Choose Two

EDTC 6045. Human-Computer Interface Design (3) Same as LIBS 6045 P: Basic computer knowledge. Design and evaluate human-computer interfaces for information and instructional products. Applies human-computer interface principles and user-centered design perspective to project development.

EDTC 6060. Using the World Wide Web for Research (3) Identifies and evaluates resources for research available on World Wide Web. Examines issues such as search strategies, copyright, and censorship.

EDTC 6240. Virtual Reality: Principles and Applications (3) Same as LIBS 6240 Basic principles of virtual reality. Emphasis on applications in education and other fields. Students select special projects according to their interests and build virtual environment.

EDTC 6300. Introduction to Distance Learning (3) Internet connectivity required. Distance learning from administrative and program development standpoint.

EDTC 7330. Management of Distance Education (3) Introduces management of distance education programs, covering online course management, strategic planning, faculty development and support services, student services, issues, and future trends.