

MEd – Curriculum & Instruction

Area of Emphasis: Instructional Technology

Schools, businesses and government organizations are turning to new ever-evolving technologies to more effectively engage learners, improve the quality of the learning experience, and increase performance. As such, many educators and practitioners seek to expand their skills in instructional technology to become more effective and innovative integrators of technology into the learning experience. The Instructional Technology Area of Emphasis will position graduates to meet these evolving curricular needs.

All Curriculum & Instruction MEd students are required to take five classes in the Curriculum & Instruction (C&I) core (15 hours) and five classes in an area of emphasis. The C&I core classes consists of four pillars—instruction, curriculum, assessment, and diversity. Students must successfully pass a comprehensive exam which is embedded in a culminating C&I course (EDIS 6880).

Course Descriptions

EDIS 5075: Online Instructional Procedures

This web-based course explores the principles of online learning and instructional strategies. Students learn to adapt strategies for a variety of course models (e.g. synchronous and asynchronous), employ innovative teaching strategies in an online environment, and select, adapt, and create rich multimedia for instruction. An online practicum is included.

EDIS 7000: Introduction to Instructional Design

Instructional design offers substantial potential to improve learning in every domain. Students learn systematic methods for ID, explore the role of design, theory, & technology in addressing instructional problems, & build significant analytical & project management skills. For any discipline where creative approaches to knowledge construction and information transfer are critical.

EDIS 7010: Computer Courseware Tools

This course provides an introduction to technologies commonly employed for instructional development. Courseware Tools is the first half of a two-course sequence. Topics in the first semester include digital media, print and web design / development, web scripting, and related instructional issues such as usability principles and interface design. In the second semester, use of these tools to develop projects is addressed in Courseware Design. Prerequisite: Instructor permission.

EDIS 7070: Multimedia Learning

Learn how to evaluate existing and design new instructional materials for any learning environment based on understanding how people learn and process information. We will cover multimedia learning principles such as Mayer's, the underlying theories and research, and design principles like gestalt, figure/ground, and hierarchy. The course features a "rapid prototyping" process for revising and creating materials throughout the class project.

EDIS 7072: Performance Improvement

In this class, we will learn about performance improvement, an extension of instructional design in which practitioners assess needs and gaps in human performance in organizations using tools like root cause analysis, then design interventions to address the gaps and plan on-going evaluation for continuous improvement. These skills are commonly used in for-profit, government/military, and non-profit industries and is growing in education.

EDIS 7076: Technology, Learning Systems, and Culture

In Phaedrus, Socrates debated the value of a new technology, writing, in the Academy with his students under a plane tree near Athens. Designed to develop "reflective practitioners", this course is our virtual plane tree in which we will use systems theory and cultural studies to explore how context and technology shape each other and ethical considerations for the design, selection, and implementation of educational innovations.

Recommended Plan of Study

Instructional Technology Area of Emphasis

Recommended Plan (Coursework Only)	Offered	Requirement(s) Filled	Credits
Suggested plan: Please see your advisor for specifics. Students need to check their SIS Advising Reports to verify program completion progress.			
Semester 1 (Fall)			
EDIS 5025: Curriculum, Assessment and Instruction	Spring, Summer, Fall	C&I Core: Instruction	3
EDIS 7000: Intro to Instructional Design	Fall	Focus: IT	3
Semester 2 (Spring)			
EDIS 5075: Online and Blended Learning	Spring	Focus: IT	3
Elective	Spring	Focus: IT	3
Semester 3 (Summer)			
EDIS 7010: Computer Courseware Tools	Spring, Summer, Fall	Focus: IT	3
EDIS 7070: Multimedia Learning	Summer	Focus: IT	3
Semester 4 (Fall)			
EDIS 6200: Principles of Curriculum Design	Spring, Summer, Fall	C&I Core: Instruction	3
EDIS 7072: Performance Improvement	Fall	Focus: IT/C&I Core: Assessment	3
Semester 5 (Spring)			
EDIS 6880: Master Comprehensive in Curriculum and Instruction	Spring, Summer, Fall	C&I Core: Culminating Class	3
EDIS 7076: Technology, Learning Systems & Culture	Spring	Focus: IT/C&I Core: Diversity	3
Total Credits			30