

ISLT MS Course List

REQUIRED COURSES

Note: Required courses can be taken in any order with two exceptions: EDF 5942 and EDF 8966, which come toward the end of the program. See the course descriptions for specific guidance.

Foundations and Policy Studies

EDF 5442: Inquiry and Measurement for Practitioners

This foundational course addresses inquiry and measurement concepts for master's students. It focuses on inquiry to support data-based decision-making processes related to learning and human performance.

EDF 5942: Field Laboratory Internship

This course provides a real-world opportunity for students to strengthen their competence in communication, analysis, design, technology, evaluation, management, personal and interpersonal skills. May be repeated to a maximum of eight semester hours. **Must have 24 credits completed to enroll.*

Educational Psychology

EDP 5216: Theories of Learning and Cognition in Instruction

This course focuses on the applications of prominent contemporary theories of learning, cognition, and information processing to instructional settings.

Education: Technology & Media

EME 5601: Introduction to Instructional Systems

This course is an overview of systems theory applied to instructional systems development and includes principles and procedures for developing total instructional systems. In the course, students learn about the systematic approach to instructional design, the contexts in which this approach is applied, and the roles instructional systems professionals in the instructional design and performance improvement processes.

EME 5602: Technology & Design

This course focuses on developing the visual design, multimedia, graphic design, and technology skills that are foundational to instructional design and development. Students will learn to apply theory and principles to the development of instructional media using popular software programs.

EME 5603: Introduction to Systematic Instructional Design

This course is an introduction to systematic design of instruction. Includes practical experience in developing and evaluating instructional materials.

EME 5608: Trends and Issues in Instructional Design

This course is an overview of the field of instructional technology. Includes historical perspective, research findings, and current issues and trends.

ELECTIVE OPTIONS

Adult Education

ADE 5083: Human Resource Development

This course offers a comprehensive survey of the structure and function of human-resource development in organizations. Focus is on alternative perspectives, professional roles and competencies, as well as on the organizational features affecting Human-Resource Development operations and programs.

ADE 5189: Staff Training and Development

This course covers the theory and practice of training and staff development based on the design and use of experiential instructional interventions meant to enhance individual, group, and organizational efforts. This course introduces students to the key concepts, principles, and processes that drive the staff training and development function and to enable them to improve their related analytical and technical skills.

Educational Psychology

EDP 5217: Learner Motivation

This course focuses on the applications of prominent contemporary theories of learning, cognition, and information processing to instructional settings.

Education: Technology & Media

EME 5077: Mobile Learning

This course addresses issues related to design, development, and implementation of mobile solutions for learning and performance support.

EME 5078: Design of Adaptive Learning

This course is designed to guide students to develop and implement online and digital adaptive learning technologies by understanding and applying the interdisciplinary principles of instructional design, learning technologies, human computer interaction, and learning analytics. The course reviews the design theories of adaptive and personalized learning and examine how instructional designers and educators can leverage digital culture, emerging technologies, and data science to design or develop online and digital adaptive learning products and environments.

EME 5250: Open Learning and Open Educational Resources

This course addresses the historical and social context of open learning and open education resources (OER), and engages students directly in the design, development, and implementation of open learning experiences and resources.

EME 5456: Online Pedagogy and Design

This course presents various approaches to both synchronous and asynchronous online learning, online class activity design, and online class management. It prepares students to design and deliver their own online classes.

EME 5457: Introduction to Distance Learning

This course provides an overview of the foundations of distance learning and on-line educational programs. It examines the design and technologies necessary for quality interactive education at a distance.

EME 5614: Design of Learning Games

This course is designed to guide students to design and prototype learning games by understanding and applying the interdisciplinary principles of game design, psychology of play, education, and cognitive science.

EME 6356: Learning and Web Analytics

This course addresses the collection and use of data for decision making and assessment in learning and human performance contexts. Students get hands-on experience with small data sets and learn how big data sets are collected and used.

EME 6357: Evaluation of Instruction and Training in HPT

This course focuses on the evaluation of training and instruction through a systemic analysis of the organization sponsoring the training program. The course provides the knowledge and skills for conducting an HPT-based evaluation of training systems. Students actively participate in discussions, presentations, synthesis of materials, and the writing of papers. **EME5601 is prerequisite.*

EME 6403: Designing for Online Collaborative Learning

This course teaches strategies and techniques for designing instructional activities for distance learning based on theories and principles of collaborative learning.

EME 6414: Web 2.0-Based Learning and Performance

This course focuses on how the widespread use of social networking/media have influenced learning and human performance. Additionally, the course covers how instructional learning experiences and performance supports might be designed to take advantage of participatory culture.

EME 6415: Development of Computer Courseware

This course focuses on procedures for the systematic design and production of computer-based instruction. Includes practice in computer-based course development.

EME 6507: Development of Multimedia Instruction

In this course, students practice basic instructional systems design principles in active and digital learning environments. The course focuses on the design, development, implementation/distribution, and assessment of multimedia-based learning experiences systems.

EME 6631: Managing Instructional Development

Introduction to procedures for managing instructional development projects and organizations. Includes project and organizational design and development, staff development, and leadership principles.

EME 6636: Systems Approach to the Management of Change

This course discusses performance interventions in terms of changes in organizational environment, structure, processes, and workforce performance. The course examines the issues surrounding planning, implementing, sustaining, and evaluating changes that result from

instructional and non-instructional interventions which target the overall improvement of organizational performance.

EME 6677: Advanced Instructional Design and Development

This advanced course explores theory and research that serve as the foundation for current and emerging instructional design (ID) practice. The course is aimed at graduate students who have already mastered basic knowledge and skills related to instructional design and learning theory.

EME 6691: Performance Systems Analysis

This course is an introduction to human-performance technology (HPT) and familiarizes students with HPT theoretical foundations and practical methodology through a performance systems analysis (PSA) project. The course covers systems thinking, systematic processes involved in conducting a PSA, as well as PSA models and their application for identifying performance gaps and recommending solutions. **EME5601 is prerequisite.*

EME 6697: Entrepreneurship, Consulting, and Leadership in Learning Design & Performance Technology

This course addresses entrepreneurship, consulting, and leadership skills that are needed by learning design and performance technology professionals.

Course Reference Table

ISLT MS Courses	MS Required	MS Elective	HPT Required	HPT Elective	OTL Required	OTL Elective	IDT Required	IDT Elective
Core								
EDF 5442 Inquiry and Measurement (3)	X							
EDP 5216 Theories of Learning and Cognition in Instruction (3)	X							
EME 5601 Introduction to Instructional Systems(3)	X					X		
EME 5602 Technology and Design (3)	X		X					
EME 5603 Introduction to Systematic Instructional Design (3)	X						X	
EME 5608 Trends and Issues in Instructional Design (3)	X					X	X	
EDF 5942 Field Lab Internship (3)	X							
EDF 8966 Comprehensive Examination: Professional Portfolio (0) Must be completed during your last semester of coursework.	X							
Elective Options								
ADE 5083: Human Resource Development		X		X				
ADE 5189: Staff Training and Development		X		X				
EDP 5217 Learner Motivation		x						
EME 5077: Mobile Learning		X						X
EME 5078: Design of Adaptive Learning		X				X		

ISLT MS Courses	MS Required	MS Elective	HPT Required	HPT Elective	OTL Required	OTL Elective	IDT Required	IDT Elective
EME 5250: Open Learning and Open Educational Resources		X			X			X
EME 5456: Online Pedagogy and Design		X			X			
EME 5457: Introduction to Distance Learning		X				X	X	
EME 5614: Design of Learning Games		X						X
EME 6356: Learning and Web Analytics		X		X		X		X
EME 6357: Evaluation of Instruction and Training in HPT		X	X					
EME 6403: Designing for Online Collaborative Learning		X				X		X
EME 6414: Web 2.0-Based Learning and Performance		X				X		X
EME 6415: Development of Computer Courseware		X				X		X
EME 6507: Development of Multimedia Instruction		X						X
EME 6631: Managing Instructional Development		X		X				
EME 6636: Systems Approach to the Management of Change		X		X				
EME 6677: Advanced Instructional Design and Development		X						X
EME 6691: Performance Systems Analysis		X	X					

*A single course may count toward only two things. If a course counts for one certificate and the MS, it cannot count for a second certificate. If you are interested in pursuing multiple certificates and the MS, contact your advisor to discuss course planning.