

Master of Arts in Teaching: Educational Technology (32 s.h.)

EDU 5050 American Education: Historical, Social, and Political Perspectives 3 s.h.

A focus on the historical events, ideological controversies, and political and social forces that have shaped the American education system from the colonial period to the present. Designed to develop in educational leaders an understanding of the relationship between schooling and society.

EDU 5060 Research & Educational Practice 3 s.h.

A focus on the knowledge and skills needed by educators to understand, evaluate, and use research. Critical analysis of the major principles of teaching and classroom learning. Applying research skills to researching and critically analyzing recent trends and traditional theories in the field of education. Prerequisite: permission of advisor.

EDU 5070 Schooling In Comparative and International Perspectives 3 s.h.

Provides an overview of education systems and developments in selected countries; describes major similarities and differences among these systems of education; and delineates exemplary practices of some countries that may be worth emulating by others. Particular attention is given to assessing Americans' education in international context, and to inquiring about developments around the world that may have important implications for the improvement of American schools.

EDU 5240 Application of Technology in P-12 Schools 3 s.h.

Exploration of the historical and social context of current technology and project future roles and trends based on published research. Discussion of issues relating to professional development, resources evaluation, professional empowerment, and diversity. Examination of social and ethical issues facing P-12 schools. Students survey the software and hardware available to support teaching, communication, and multimedia.

EDU 5250 Hardware Configurations in P-12 Schools 3 s.h.

Key elements of system design, installation, and configuration, including security and data integrity. Students survey current adaptive/assistive technology and explore issues related to the promotion of health and safety. Students manage and evaluate hardware assets in the context of school-level and district-level decision making.

EDU 5260 Best Practice Teaching with Technology 3 s.h.

Strategies for integrating technology into instructional units to promote creativity and higher order thinking. Emphasis is placed on aligning instruction with the Michigan Curriculum Framework while facilitating secondary behaviors such as collaboration, problem solving, and communication. A 20-hour field experience is required.

EDU 5410 Instructional Design for Online Learning 3 s.h.

Evaluation and application of instructional design theories and principles for online course delivery. Examination of fully online, hybrid, self-paced, and facilitated e-learning experiences delivered via learning management systems. Focus on the authorship of instructional units that include information retrieval, web site construction and evaluation, and the integration of video and multimedia. Application of accessibility and usability guidelines in web-based course design.

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EDU 5650 Education and the Community 2 s.h.

The development of the knowledge and competencies needed by educational leaders to work professionally with their communities, including communication, community organizations and structures, role of key community actors and parents, volunteerism, and the community education concept.

EDU 5710 Change in Educational Organizations 3 s.h.

Recommended to be taken early in the master's program. Important components of educational change and collaborative leadership are explored. The course emphasizes methods for fostering analysis and communication necessary for changing standards of practice. A field component encouraging participation as an educational change agent will be a vital part of this experience, enabling students to make connections to holistic evaluation, program improvement and community involvement.

EDU 5820 Diversity in the Classroom 2 s.h.

The study of factors which contribute to diversity in modern classrooms and the implications for practice. The course focuses on a critical theory interpretation of inclusion, multiculturalism, power relations and changing demographics. Connections are made to wider sociological issues. A field component consisting of a classroom case study will be integrated into this course.

EDU 6240 Information Management in the Classroom 3 s.h.

The study of technology-based strategies for the collection, management, and analysis of classroom information to enhance learning and increase teacher productivity. Students will learn to develop web-based resources for instruction and communication with parents. The course will emphasize the use of both generic and education specific applications for data management and statistical computation. Connections are made to student motivation, holistic evaluation, program improvement and parental involvement.

EDU 6260 Instructional Design and Multimedia 3 s.h.

How learning principles and research can be used to guide the development of computer-based instruction. Emphasis on the authorship of instructional units that include information retrieval, web site constructions, distance learning, and the integration of video and multimedia. Students are required to become familiar with professional authoring packages. Emphasis on strategies for assessing the efficacy of different media with different types of learning.

EDU 6270 Leadership in Technology 3 s.h.

Prepares students to provide technology leadership, including strategic planning, purchasing, and evaluation at the district level. Design and delivery of professional development opportunities for in-service teachers. Emphasis on district-level curriculum alignment, program evaluation, and resource management. Social and ethical issues are addressed.