Advanced Certificate in Learning and Technology

school of social and behavioral sciences

ACTING DIRECTOR
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MISSION AND OBJECTIVES

The Advanced Certificate in Learning and Technology is a 12-credit graduate program designed for practicing teachers and professional trainers who are seeking to learn new ways to more effectively integrate learning technologies into instructional practice. The program allows participants to meet personal, district, or business professional development goals and is delivered through a combination of on-site and online instruction in a variety of flexible schedules and locations.

The objective of this Advanced Certificate is to provide in-service teachers with professional development training in instructional technology specifically for K-12 education. The first two courses will take place on-site with online support and follow-up.

Participating students will learn the basic foundations and skills necessary to integrate various productivity tools and applications to support learning and teaching as well as how to design web-based multimedia projects to support and enhance the instructional delivery, learning process, and assessment of specific curriculum content.

The last two courses are conducted exclusively online. Students will be asked to take the educational multimedia products they developed in the second course into their classroom in order to evaluate their effectiveness and make necessary modifications or enhancements based on learner's feedback. Once this data is compiled, reviewed, and analyzed, students will apply the findings and the lesson learned to other content areas in order to maximize the benefits of the learning experiences and educational outcomes. A mulimedia presentation of the findings will be presented to the school community for dissemination.

The content of the courses will be adapted to the needs of a specific school or school district based on their technology infrastructure and the available software and hardware. The instructional delivery of the courses in this Advanced Certificate program will be supported through the use of e-learning tools to maximize the benefits of the educational experience.

ADMISSIONS REQUIREMENTS

- an earned baccalaureate degree from an accredited college or university;
- a one-page statement of intent and outcome objectives;
- a one-page statement providing proof of basic computer skills, access to a group of learners, and access to the Internet;
- an interview with program director.

COURSE REQUIREMENTS

EDAC501	Knowledge Base for Expert Teaching in the Technologically Linked Classroom	3 Credits
EDAC701	Self-Designed Action Research Technology Project	3 Credits
EDAC702	Learning Enhanced Through Technology I	3 Credits
EDAC703	Learning Enhanced Through Technology II	3 Credits

COURSE DESCRIPTIONS

EDAC501
Knowledge Base for Expert Teaching in the Technologically Linked Classroom
(3 Credits)
This course is designed to introduce teachers to technologically based productivity tools to enhance effective classroom management and instruction. Students will develop an understanding of concepts, principles, and practices associated with effective integration of instructional technology in the classroom. The course introduces students to several tools and techniques for incorporating web-based technology into the traditional classroom. Students will address specific learning and teaching issues based on objectives set forth by the International Society for Technology and Education (ITSE) and National Educational Technology Standards for Teacher Preparation.

EDAC701
Self-Designed Action Research Technology Project
(3 Credits)
In this course students will research and design a technology-based classroom project for a specific educational need. Applying the knowledge and skills gained in EDAC501, students will develop a project utilizing educational learning theories and principles of effective instructional design. Group projects are encouraged. **Co-requisite:** EDAC501

EDAC702
Learning Enhanced Through Technology I
(3 Credits)
In this course students continue the integration of educational practices and learning theories and their relationship to the use of technology within the classroom. Students will implement their technology-based classroom projects in an appropriate learning environment and document the experience. Instruction and support are provided on campus as well as online. **Prerequisite:** EDAC701

EDAC703
Learning Enhanced Through Technology II
(3 Credits)
In this course, students will focus on interpretation and evaluation of their projects. Students will apply methodological and statistical knowledge in evaluating the success and limitations of this initiative. At the end of the course, students will summarize their findings in a report and presentation to the community. Instruction and support are provided on campus as well as online.
Prerequisite: EDAC702