Instructional Technology

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Coordinator

Erik Nelson, Ph.D.

Master's Degrees and Graduate Certificates

Master of Arts in Education in Computer Education 7-12 Master of Education in Instructional Technology—Fully Online

Arcadia Certificates in Digital Literacy Digital Design General Technology

About Arcadia's Instructional Technology Degree Program

This program seeks to prepare highly qualified teachers who are capable of utilizing technology as a partner in the learning process. The overarching goal is to develop practitioners who are able to assess educational situations and plan for the effective use of technology that supports learning. The program is designed from a problem-based learning perspective. Problembased learning is an instructional method or educational approach that is characterized by the use of real-world problems as a stimulus for learners to utilize critical thinking and problem-solving skills. It places an emphasis on active engagement that involves learners in the metacognitive process of thinking about their learning and leading them to a deeper level of understanding.

Specific Objectives

- 1. Provide sound theoretical foundation while building a bridge to practice.
- 2. Establish the practice of reading and evaluating current research in Instructional Technology.
- Strengthen teachers' problem-solving and critical thinking skills.

- 4. Develop skills necessary for teachers to plan and utilize technology as a partner in the teaching and learning process.
- 5. Provide training in current and emerging technologies.
- Encourage teachers to participate in professional technology organizations and share their knowledge with future teachers.

Master of Arts in Education in Computer Education 7-12 Degree Requirements

(A minimum of 30 credits)

- Foundation courses (6 credits) chosen in consultation with the adviser from the following: ED 501-510
- 2. Concentration Courses (15 credits)
 Five 400-level Computer Science courses
- 3. Electives (6 credits)

Two Education courses chosen with the adviser from the following:

ED 565 Introduction to

Instructional Technology

ED 566 Web-Based Information

Literacy

ED 567 Instructional Design for

Educational Technology

4. Culminating Activity (3 credits)

ED 570 Methods for Using

Instructional Technology

(formerly ED 525)

Master of Education in Instructional Technology Degree Requirements

(A minimum of 30 credits)

1. Foundation Courses

ED 502 Foundations of Curriculum ED 510A Interpreting Research in

510A Interpreting Research in Instructional Technology

Instructional Technology at Arcadia University

2. Core Requirements

ED 565* Introduction to

Instructional Technology

ED 566* Web-Based Information

Literacy

ED 567* Instru

Instructional Design for Educational Technology

*Required prerequisites for all

specializations

3. Specialization

Specialization in Digital Literacy

(12 credits)

ED 568A Digital Tools for Data

Driven Decision Making

ED 568B Web-Based Resources for

Teaching and Learning

ED 568C Using Technology in the

design of Global Collaborations

ED 566D Assistive Technology

OR One course selected from the

Digital Design specialization

Specialization in Digital Design

(12 credits)

ED 569A Designing Collaborative

Internet Activities for

Today's Classroom

ED 569B Introduction to

Management of

Technology Resources

ED 569C Advanced Management of

Technology Resources

ED 569D Multimedia Design for

Interdisciplinary Teaching

Specialization in General Technology

Combination of four choices from Digital
Literacy and Digital Design

One Elective chosen with the adviser

4. Culminating Activity (3 credits)

ED 570 Methods for Using

Instructional Technology

(formerly ED 525)

Arcadia Certificates

Admissions Requirements

1. A bachelor's degree from an accredited college or university.

- 2. An application form to be completed online.
- 3. A statement describing Internet and computer access.
- 4. An official bachelor's or master's degree transcript.

Students interested in a certificate and a master's degree must apply to both programs. Up to 12 credits completed in the certificate program may satisfy master's degree requirements with the approval of the degree program coordinator.

Certificate in Digital Literacy

(12 credits)

This program is designed for teachers who would like to focus on the pedagogical aspects of utilizing technology in their planning and teaching practices.

Certificate Requirements

ED 565 Introduction to

Instructional Technology

(Required)

Choose any three of the following four

courses:

ED 568A Digital Tools for Data

Driven Decision Making

ED 568B Web-Based Resources for

Teaching and Learning

ED 568C Using Technology in the

Design of Global

Collaborations

ED 565D Assistive Technology

OR One course selected from the

Digital Design specialization

Certificate in Digital Design

(12 credits)

This program is designed for teachers who would like to focus on creating their own inquiry-based technology activities.

Certificate Requirements

ED 565 Introduction to

Instructional Technology

(Required)

Choose any three of the following four

courses:

ED 569A Designing Collaborative

Internet Activities for Today's Classroom

Instructional Technology at Arcadia University

ED 569B Introduction to

Management of

Technology Resources

ED 569C Advanced Management of

Technology Resources

ED 569D Multimedia Design for

Interdisciplinary Teaching

Arcadia Certificate in General Technology

(12credits)

This program is designed for teachers who would like to gain expertise in both Digital Literacy and Digital Design. Courses are chosen with the Program Coordinator.

Certificate Requirements

ED 565 Introduction to

Instructional Technology

(Required)

Choose any three of the following courses:

ED 568A, ED 568B,

ED 568C, ED 565D,

ED 569A, ED 569B,

ED 569C, Ed 569D or one

elective course chosen

with the adviser.