

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

- Learn how to use technology to design global collaborations.
- Use Web 2.0 technology to create interactive learning opportunities.
- Use digital tools for data-driven decision making.

The program prepares highly qualified teachers who are capable of utilizing technology as a partner in the learning process. Arcadia's Instructional Technology program develops 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 and uses real-world scenarios as a stimulus for learners to utilize critical thinking and problem-solving skills.

Problem-based 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.
3. 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.
6. 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)

1. 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 510	Interpreting Educational Research

2. Core Requirements

ED 565*	Introduction to Instructional Technology
ED 566*	Web-Based Information Literacy
ED 567*	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	Instructional and 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	Technology Leadership I
ED 569C	Technology Leadership II
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)
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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)
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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 566D	Instructional and Assistive Technology
OR One course selected from the Digital Design specialization	

Certificate in Digital Design (12 credits)

Instructional Technology at Arcadia University

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
ED 569B Technology Leadership I
ED 569C Technology Leadership II
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 566D,
ED 569A, ED 569B,
ED 569C, Ed 569D or one
elective course chosen
with the adviser.