EDUCATIONAL TECHNOLOGY - M.ED.

College of Education and Human Services
School of Teaching, Learning and Curriculum Studies
www.kent.edu/ehhs/tlcs

About This Program

The Master of Education in Educational Technology program prepares you for a successful career in the field of education technology. With a curriculum focused on the latest trends and technologies in education, you'll gain the skills and knowledge needed to excel in a variety of roles. Read more...

Contact Information

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- Connect with an Admissions Counselor

Program Description

- **Delivery:**
  - Fully online
  - Mostly online
- **Location:**
  - Kent Campus

Examples of Possible Careers and Salaries*

Instructional coordinators

- 5.9% faster than the average
- 192,900 number of jobs
- $66,970 potential earnings

Librarians and media collections specialists

- 5.0% faster than the average
- 146,500 number of jobs
- $60,820 potential earnings

Training and development specialists

- 8.6% much faster than the average
- 327,900 number of jobs
- $62,700 potential earnings

Education teachers, postsecondary

- 4.8% about as fast as the average
- 77,300 number of jobs
- $65,440 potential earnings

Middle school teachers, except special and career/technical education

- 3.6% about as fast as the average
- 627,100 number of jobs
- $60,810 potential earnings

Secondary school teachers, except special and career/technical education

- 3.8% about as fast as the average
- 1,050,800 number of jobs
- $62,870 potential earnings

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

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Admission Requirements

- Bachelor's degree from an accredited college or university
- Minimum 2.750 undergraduate GPA on a 4.000-point scale
- Official transcript(s)
- Goal statement
- Two letters of recommendation from academic and professional references
- Computer Science Endorsement Preparation concentration requires evidence of a valid Resident Educator or Professional State of Ohio teaching license
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions to waive) by earning one of the following:[1]
  - Minimum 79 TOEFL iBT score
  - Minimum 6.5 IELTS score
  - Minimum 58 PTE score
  - Minimum 110 DET score

[1] International applicants who do not meet the above test scores will not be considered for admission.

Application Deadlines

- **Fall Semester**
  - Rolling admissions
- **Spring Semester**
  - Rolling admissions
- **Summer Term**
  - Rolling admissions

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
ETEC 57400	TRENDS IN EDUCATIONAL TECHNOLOGY	3

ETEC 57403	INSTRUCTIONAL DESIGN	3
ETEC 57427	TECHNOLOGY AND LEARNING	3
ETEC 67420	RESEARCH ISSUES IN EDUCATIONAL TECHNOLOGY	3
ETEC 67434	EMERGING TECHNOLOGIES FOR EDUCATION	3
Educational Technology (ETEC) Graduate Elective (50000 level or higher)		3
Culminating Requirement		
ETEC 67492	PRACTICUM AND PORTFOLIO	3
Additional Requirements or Concentration		
Choose from the following:		9
Additional Requirements for Students Not Declaring a Concentration		
Computer Science Endorsement Preparation Concentration		
Minimum Total Credit Hours:		**30**

Additional Requirements for Students Not Declaring a Concentration

Code	Title	Credit Hours
Major Requirements		
ETEC 67442	DESIGNING ONLINE AND BLENDED COURSES	3
ETEC 67445	DESIGNING INSTRUCTIONAL AND PERFORMANCE SOLUTIONS	3
ETEC 67510	ARTIFICIAL INTELLIGENCE IN EDUCATION AND HUMAN PERFORMANCE	3
Minimum Total Credit Hours:		**9**

Computer Science Endorsement Preparation Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements		
CS 61002	ALGORITHMS AND PROGRAMMING I	3-4
or ENGR 64001	ENGINEERING PRINCIPLES FOR COMPUTING SYSTEMS	
CS 61004	OPERATING SYSTEMS AND ARCHITECTURE	3-4
or ENGR 64002	CYBERSECURITY OF NETWORKED DISTRIBUTED SYSTEMS	
Concentration Elective, choose from the following: [1]		3
BA 64036	BUSINESS ANALYTICS	
BA 64060	FUNDAMENTALS OF MACHINE LEARNING	
CIS 54041	MANAGING CYBERSECURITY	
CIS 64042	GLOBALIZATION AND TECHNOLOGY STRATEGY	
CS 61003	ALGORITHMS AND PROGRAMMING II	
ECON 52050	DATA ACQUISITION, PREPARATION AND VISUALIZATION	
EMAT 60310	CREATIVE CODING FUNDAMENTALS	
EMAT 62110	INTERACTIVE DATA	
ENGR 64202	ADVANCED TOPICS IN CYBERSECURITY RISK MANAGEMENT	
Any Educational Technology (ETEC) Graduate Course (50000 level or higher)		
Minimum Total Credit Hours:		**9**

[1] Students should work with an advisor to select a course that aligns with the standards of the Computer Science Teachers Association (CSTA).

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
-	3.000

- Students in the Computer Science Endorsement Preparation concentration must complete 100 hours in the practicum for the endorsement.
- No more than one-half of a graduate student's coursework may be taken in 50000-level courses.
- Grades below C are not counted toward completion of requirements for the degree.

Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate knowledge about different types of hardware and of a variety of different software applications.
2. Conduct literature reviews to examine issues associated with technology and learning.
3. Develop, implement and troubleshoot web-based, interactive multimedia educational programs.
4. Design, develop and evaluate educational materials using various technology tools.
5. Apply principles of message design to the development of educational materials.
6. Identify critical issues related to the field of educational technology.
7. Advocate for the appropriate use of technology in educational settings, including providing equitable access to technology resources for all students.
8. Apply principles of change management, organizational development, technological diffusion and adoption and project management to effecting change in an organization.
9. Practice the systematic evaluation of educational materials that use technology, based upon the objectives previously established for the unit or lesson.
10. Assess the effectiveness of the use of technology for instruction, with a variety of assessment techniques.
11. Identify trends in the field, and apply those trends to current situations.
12. Apply emerging artificial intelligence tools and methods to enhance teaching, learning and human performance, while critically evaluating their opportunities and limitations.

In addition, graduates of the Computer Science Endorsement Preparation concentration will be able to:

1. Demonstrate knowledge of computer science content and model important principles and concepts.
2. Demonstrate knowledge of and proficiency in data representation and abstraction.
3. Effectively design, develop and test algorithms.
4. Demonstrate knowledge of digital devices, systems and networks.
5. Demonstrate an understanding of the role computer science plays in its impact in the modern world.

Dual Degree with M.L.I.S. degree in School Library Media K-12

Student have the opportunity to complete a dual degree program with the M.Ed. degree in Educational Technology and the M.L.I.S. degree in School Library Media K-12. A separate application must be submitted for each program. Students can view admission requirements for each program on their respective catalog page.

The M.Ed./M.L.I.S. dual degree program leads to a multi-age initial licensure in school library media. This program prepares students to work in all types of libraries, including school libraries. The program of study includes professional educational requirements, along with library science and educational technology courses.

Dual Degree Requirements

Code	Title	Credit Hours
Major Requirements		
CI 67310	THEORY AND PRACTICE IN THE TEACHING OF READING	3
CI 67330	READING IN CONTENT AREAS	3
ETEC 57427	TECHNOLOGY AND LEARNING	3
ETEC 57400	TRENDS IN EDUCATIONAL TECHNOLOGY	3
LIS 60020	INFORMATION ORGANIZATION	3
LIS 60030	PEOPLE IN THE INFORMATION ECOLOGY	3
LIS 60050	RESEARCH AND ASSESSMENT IN LIBRARY AND INFORMATION SCIENCE	3
LIS 60607	SCHOOL LIBRARY MANAGEMENT	3
LIS 60617	INFORMATION LITERACY FOR YOUTH	3
LIS 60624	CATALOGING FOR SCHOOL LIBRARIES	3
LIS 60626	ENGAGING TEENS	3
LIS 60629	ENGAGING SCHOOL-AGE CHILDREN	3
LIS 60630	REFERENCE SOURCES AND SERVICES FOR YOUTH	3
LIS 60676	TEACHING STRATEGIES AND METHODS IN SCHOOL LIBRARIES	3
SPED 53050	CHARACTERISTICS OF STUDENTS WITH MILD/MODERATE INTERVENTION NEEDS	3
Dual Degree Electives, choose from the following:		6
ETEC 57403	INSTRUCTIONAL DESIGN	
ETEC 57427	TECHNOLOGY AND LEARNING	
ETEC 67420	RESEARCH ISSUES IN EDUCATIONAL TECHNOLOGY	
ETEC 67425	MANAGING TECHNOLOGICAL CHANGE	
ETEC 67426	MANAGING SCHOOL TECHNOLOGIES	
ETEC 67434	EMERGING TECHNOLOGIES FOR EDUCATION	
ETEC 67442	DESIGNING ONLINE AND BLENDED COURSES	
ETEC 67444	TEACHING ONLINE AND BLENDED COURSES	
ETEC 67445	DESIGNING INSTRUCTIONAL AND PERFORMANCE SOLUTIONS	
LIS 60675	YOUTH MEDIA CULTURES	
Additional Library and Information Science (LIS) courses are accepted		
Culminating Requirement		
LIS 60892	CULMINATING EXPERIENCE FOR DUAL DEGREE	6
Minimum Total Credit Hours:		**57**

Graduation Requirements

- Students in M.Ed. degree have six years from the term of first enrollment to complete the degree.
- Students are responsible for completing licensure paperwork requirements through the College of Education, Health and Human Services near the end of or at the conclusion of their M.L.I.S. degree program. Exam administered by the Evaluation Systems Group of Pearson is required for licensure.

Licensure Information

Candidates seeking Ohio licensure are required to pass specific assessments in order to apply for licensure. Students should consult their advisors for specific program requirements and refer to the Ohio Department of Education-Educator Preparation website. for more information on assessments specific to licensure type.

Full Description

The Master of Education degree in Educational Technology prepares students to design, develop and integrate innovative technologies across classrooms, training facilities and diverse learning environments. Students gain a strong foundation in educational technology knowledge and skills while also exploring cutting-edge applications of artificial intelligence to enhance teaching, learning and human performance.

The Educational Technology major include the following optional concentration:

- The **Computer Science Endorsement Preparation** concentration allows students with an existing Ohio teaching license to obtain the computer science endorsement. The endorsement prepares computer science educators. The endorsement cannot be obtained as a stand-alone license.