EDUCATIONAL TECHNOLOGY - M.ED.

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

Examples of Possible Careers*

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

Contact Information
- Program Coordinator: Enrico Gandolfi | egandol1@kent.edu | 330-861-2700
- Chat with an Admissions Counselor

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

Admission Terms
- Fall
- Spring
- Summer

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 and Computer Technology concentrations require evidence of a valid 4-year Resident Educator or 5-year Professional State of Ohio teaching license.
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
  - Minimum 550 TOEFL PBT score (paper-based version)
  - Minimum 79 TOEFL IBT score (Internet-based version)
  - Minimum 77 MELAB score
  - Minimum 6.5 IELTS score
  - Minimum 58 PTE score
  - Minimum 110 Duolingo English Test score

For more information about graduate admissions, visit the graduate admission website. For more information on international admission, visit the Office of Global Education’s admission website.

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.

*Note
Source of occupation titles and labor data is 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.

Description
The Master of Education degree in Educational Technology prepares students to design, develop and use a variety of technologies in school classrooms, in training facilities or in other educational settings. Students gain core educational technology knowledge and skills and then specialize in an area within the field.

The Educational Technology major comprises the following optional concentrations:

- The Computer Technology Endorsement Preparation concentration allows students with an existing Ohio teaching license to obtain the computer technology endorsement. The endorsement allows teachers to teach computer applications in the classroom or assume technology leadership positions in a school or at the district level. The endorsement cannot be obtained as a stand-alone license.
- 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.

Students may declare the program with no concentration and develop a plan of study to meet their educational and career goals.
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.

In addition, graduates of the Computer Science 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

**Program Requirements**

**Major Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETEC 57427</td>
<td>TECHNOLOGY AND LEARNING</td>
<td>3</td>
</tr>
<tr>
<td>ETEC 57400</td>
<td>TRENDS IN EDUCATIONAL TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>ETEC 57403</td>
<td>INSTRUCTIONAL DESIGN</td>
<td>3</td>
</tr>
<tr>
<td>ETEC 67420</td>
<td>RESEARCH ISSUES IN EDUCATIONAL TECHNOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Culminating Requirement**

Choose from the following: 3-6

- ETEC 60199 THEESIS I
- ETEC 67492 PRACTICUM AND PORTFOLIO

**Additional Requirements or Concentrations**

Choose from the following: 15-18

- Additional Requirements for Students Not Declaring a Concentration
- Computer Science Endorsement Preparation Concentration
- Computer Technology Endorsement Preparation Concentration

**Minimum Total Credit Hours:** 30-33

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1. Minimum 3 credit hours of ETEC 67492 is required for students in either concentration.

### Additional Requirements for Students Not Declaring a Concentration

**Code** | **Title**                                             | **Credit Hours** |
---------|-------------------------------------------------------|------------------|
- Major Requirements
- Specialization Electives 1

**Minimum Total Credit Hours:** 15

1 Students may choose coursework in various specializations, including immersive technologies for learning, management of educational technologies, online and blended learning and teaching, designing instructional and performance solutions.

### Computer Science Endorsement Preparation Concentration Requirements

**Code** | **Title**                                             | **Credit Hours** |
---------|-------------------------------------------------------|------------------|
- Major Requirements
- Concentration Requirements
  - CS 61002 ALGORITHMS AND PROGRAMMING I 4
  - CS 61003 ALGORITHMS AND PROGRAMMING II 4
  - CS 61004 OPERATING SYSTEMS AND ARCHITECTURE 4
  - ETEC 67434 EMERGING TECHNOLOGIES FOR EDUCATION 3
  - ETEC 67402 MANAGING SCHOOL TECHNOLOGY CENTERS AND PROGRAMS 3

**Minimum Total Credit Hours:** 18

### Computer Technology Endorsement Preparation Concentration Requirements

**Code** | **Title**                                             | **Credit Hours** |
---------|-------------------------------------------------------|------------------|
- Major Requirements
- Concentration Requirements
  - ETEC 67402 MANAGING SCHOOL TECHNOLOGY CENTERS AND PROGRAMS 3
  - ETEC 67425 MANAGING TECHNOLOGICAL CHANGE 3
  - ETEC 67426 MANAGING SCHOOL TECHNOLOGIES 3
  - Electives 6

**Minimum Total Credit Hours:** 15

### Graduation Requirements

- No more than one-half of a graduate student’s coursework may be taken in 50000-level courses.
- Students must complete 100 hours in the practicum for either the Computer Technology or Computer Science endorsement.

### Dual Degree with M.L.I.S. degree in Library and Information Science

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI 67310</td>
<td>THEORY AND PRACTICE IN THE TEACHING OF READING</td>
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<tr>
<td>CI 67330</td>
<td>READING IN CONTENT AREAS</td>
<td>3</td>
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<tr>
<td>ETEC 57427</td>
<td>TECHNOLOGY AND LEARNING</td>
<td>3</td>
</tr>
<tr>
<td>ETEC 57400</td>
<td>TRENDS IN EDUCATIONAL TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60020</td>
<td>INFORMATION ORGANIZATION</td>
<td>3</td>
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<tr>
<td>LIS 60030</td>
<td>PEOPLE IN THE INFORMATION ECOLOGY</td>
<td>3</td>
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<tr>
<td>LIS 60050</td>
<td>RESEARCH AND ASSESSMENT IN LIBRARY AND INFORMATION SCIENCE</td>
<td>3</td>
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<tr>
<td>LIS 60070</td>
<td>SCHOOL LIBRARY MANAGEMENT</td>
<td>3</td>
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<tr>
<td>LIS 60017</td>
<td>INFORMATION LITERACY FOR YOUTH</td>
<td>3</td>
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<tr>
<td>LIS 60024</td>
<td>CATALOGING FOR SCHOOL LIBRARIES</td>
<td>3</td>
</tr>
<tr>
<td>LIS 60026</td>
<td>ENGAGING TEENS</td>
<td>3</td>
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<tr>
<td>LIS 60030</td>
<td>REFERENCE SOURCES AND SERVICES FOR YOUTH</td>
<td>3</td>
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<tr>
<td>LIS 60076</td>
<td>TEACHING STRATEGIES AND METHODS IN SCHOOL LIBRARIES</td>
<td>3</td>
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<tr>
<td>LIS 60892</td>
<td>CULMINATING EXPERIENCE FOR DUAL DEGREE</td>
<td>6</td>
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<tr>
<td>SPED 53050</td>
<td>CHARACTERISTICS OF STUDENTS WITH MILD/MODERATE INTERVENTION NEEDS</td>
<td>3</td>
</tr>
</tbody>
</table>

**Minor Requirements:** 6

**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 LITERATURE IN THE DIGITAL REALM

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.