

# Instructional Technology

## Degrees Available at SIUE

Master of Science in Education (MSEd) with three areas of emphasis

- Distance Education
- Educational Technologies
- Instructional Design and Performance Improvement

## Post-Baccalaureate Certificates

- Classroom Technologies
- Web-Based Learning

## Professional Development Sequence

- Emerging Technologies
- Instructional Design
- Online Pedagogy
- Teaching with Technology

## Why Instructional Technology?

In the Digital Age, you can enhance your professional power by honing your skill in helping others learn, unlearn and re-learn. Instructional technology (IT) is an interdisciplinary field that can sharpen your abilities to critically analyze the performance problems of employees or students. Once analyzed, instructional technologists envision flexible solutions to those problems, design creative strategies for bringing their visions to life, produce a variety of multimedia innovations, and evaluate how well their own solutions, strategies and innovations added value to the organization for which they work.

## Instructional Technology at SIUE

The instructional technology program offers professional development sequences, post-baccalaureate certificates and three master's degree emphases. You can apply the credits from a professional development sequence toward select certificates and the master's degree, thus creating a series of stacked credentials. For instance, each certificate is a combination of two sequences; if you earn a certificate, then, you actually will be earning three SIUE credentials: two professional development sequences and the certificate. Combine multiple credentials to pursue your professional goals.

The IT program is a flexible program offered entirely online, with no on-campus meetings required. During the fall and spring semester, most courses are 16 weeks in duration; during the summer, abbreviated-term courses are common.

Within the MSEd, each of the three emphasis areas prepares you for a career as an instructional technologist in a variety of settings.

- **Distance Education** focuses on the tools and techniques for designing, producing and facilitating online courses. This emphasis area will be useful to teachers, adult educators, college faculty members and corporate training personnel who are interested in the potential of online classrooms to expand learning opportunities for students and employees. While pursuing the Distance Education emphasis, you simultaneously will earn the professional development sequence (PDS) in instructional design, the PDS in online pedagogy and the certificate in web-based learning.
- **Educational Technologies** enables teachers and other school personnel to plan, implement and evaluate technology-based instruction and learning activities in P-12 settings. This emphasis places a particular focus on the emerging technologies that can give classroom teachers a cutting-edge advantage in promoting learning. As you complete this emphasis area, you simultaneously will earn the professional development sequence (PDS) in emerging technologies.
- **Instructional Design and Performance Improvement** focuses on skills necessary for careers in corporations, institutions of higher education, health care organizations and non-profits. Students who graduate from this emphasis become corporate trainers, multimedia learning technologists, curriculum writers, instructional designers, performance improvement specialists and learning consultants. In this emphasis, you will learn how to identify gaps in human performance and improve people's knowledge and skills in ways that close the gap. Graduates from this emphasis have been hired by the Federal Reserve Bank, Anheuser-Busch InBev, The Boeing Co., Department of Defense, and a variety of other regional, national and international organizations.



## Graduate Faculty

**Graduate Program Director**  
**David Knowlton, EdD**

1998, University of Memphis  
dknowlt@siue.edu

**Yuliang Liu, PhD**

2000, Texas A&M University

**Melissa Thomeczek, PhD**

2002, Indiana State University

*"SIUE's Instructional Technology program showed me how to make good instructional design decisions. I graduated with a full portfolio of work that I could show potential employers, a new career path and confidence in my own abilities."*

– **Emily Keener,**

2015-2016 Recipient of the Outstanding Graduate Student in IT Award

## Admission Requirements

- Graduate School application and \$40 fee
- Submit official transcripts
- Successful completion of a bachelor's degree prior to enrollment
- Minimum GPA of 3.0 or above (A=4.0) during undergraduate work. Students with an undergraduate GPA between 2.5 and 2.9 will be admitted with conditions.
- International Applicants: Proof of English Proficiency, minimum requirements are TOEFL (79), IELTS (6.5) or equivalent

Program application materials may be uploaded during the application process, but official transcripts must be sent directly from the school attended, and test scores must be verifiable with the appropriate testing service. Please contact the Graduate Admissions office with questions regarding the application submission process at [graduateadmissions@siue.edu](mailto:graduateadmissions@siue.edu).

Applicants may arrange for an appeal interview with the Admissions Committee if admission is denied.

Review the SIUE Admissions Policy for more information.

## Graduation Requirements

Students in the MEd must successfully pass all required coursework, participate in the process of successfully developing and submitting a juried portfolio, and present elements of their coursework and/or portfolio to faculty and students.

Review the graduation policy for more information.

## Curriculum

Students must complete 36 semester hours for the MEd in Instructional Technology. All students will take the following courses (listed in numerical order, not in program sequencing order):

- IT 430 - Computer-Based Publishing and Instruction
- IT 486 - Web Design for Instruction
- IT 500 - Principles of Instructional Technology
- IT 596 - Design Studio I
- IT 597 - Design Studio II
- IT 598 - Design Studio III

In addition to the above courses, students will complete additional courses depending upon their emphasis within the program. Each emphasis has a curriculum that has been designed to provide students with the knowledge and skills that they need for the 21st Century job market. The courses for each emphasis are listed below.

### Distance Education

- IT505 - Needs Assessment and Program Evaluation
- IT510 - Instructional Systems Design
- IT567 - Online Teaching Tools
- IT568 - Design and Development of Online Lessons, Modules, and Courses
- IT569 - Facilitating Online Classrooms

One Educational Psychology Course, chosen from the following:  
EPFR514 - College Student Learning and Development or  
EPFR515 - Issues in Learning Theory

One Analysis of Educational Issues Course, chosen from the following:  
EPFR451 - Gender and Education,  
EPFR520 - Philosophical-Historical Foundations,  
EPFR521 - Socio-Cultural Foundations,  
EPFR522 - Diversity in Higher Education

## Educational Technologies

- IT481 - Computers in Education: Theory and Practice
- IT550 - Emerging Technologies in Education
- IT560 - Leadership in Educational Technology

One Distance Education Course, chosen from the following:

- IT540 - Distance Education,
- IT567 - Online Teaching Tools,
- IT568 - Design and Development of Online Lessons, Modules, and Courses,
- IT569 - Facilitating Online Classrooms

One Educational Research Course, chosen from the following:

- EPFR501 - Research Methods,
- EPFR502 - Qualitative Inquiry in Education,
- EPFR503 - Research Methods in Higher Education,
- IT505 - Needs Assessment and Program Evaluation in Instructional Technology

One Educational Psychology Course, chosen from the following:

- EPFR514 - College Student Learning and Development or  
EPFR515 - Issues in Learning Theory

One Analysis of Educational Issues Course, chosen from the following:

- EPFR451 - Gender and Education,
- EPFR520 - Philosophical-Historical Foundations,
- EPFR521 - Socio-Cultural Foundations,
- EPFR522 - Diversity in Higher Education

## Instructional Design and Performance Improvement

- IT505 - Needs Assessment and Program Evaluation
- IT510 - Instructional Systems Design
- IT520 - Performance Technology
- IT530 - Managing Instructional Development

One Distance Education Course, chosen from the following:

- IT540 - Distance Education,
- IT567 - Online Teaching Tools,
- IT568 - Design and Development of Online Lessons, Modules, and Courses,
- IT569 - Facilitating Online Classrooms

One Educational Psychology Course, chosen from the following:

- EPFR514 - College Student Learning and Development or  
EPFR515 - Issues in Learning Theory

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- EPFR451 - Gender and Education,
- EPFR520 - Philosophical-Historical Foundations,
- EPFR521 - Socio-Cultural Foundations,
- EPFR522 - Diversity in Higher Education

## Contact Information

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