

Instructional Technology

Why Instructional Technology?

In the Digital Age, you can enhance your professional power by honing your skills 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 Master of Science in Education (MSEd) with a major in instructional technology from SIUE's Department of Educational Leadership in the School of Education, Health and Human Behavior prepares students for a variety of instructional development and technology-related positions in education, nonprofits, business and industry. Courses are 100% online and will help you apply cutting-edge media and techniques within the field.

During the fall and spring semesters, courses are offered in either 16- or eight-week terms; abbreviated-term courses are common during the summer.

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 can 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 an advantage in promoting learning. As you complete this emphasis area, you simultaneously can 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, healthcare organizations and nonprofits. Students who graduate from this emphasis become 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 Elsevier Publishing Company, Federal Reserve Bank, Anheuser-Busch InBev, The Boeing Co., and a variety of other regional, national and international organizations.

Degrees Available at SIUE

Master of Science in Education (multiple areas of emphasis)

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

Post-Baccalaureate Certificates

- Classroom Technologies
- Web-Based Learning

Professional Development Sequences

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



Graduate Faculty

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Admission Requirements

- Graduate School application and \$40 fee
- Submission of all postsecondary transcripts
- Successful completion of a bachelor's 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 (*Please note that international students are ineligible to receive a student visa for these programs.*)

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.

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

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.

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 they need for the 21st-century job market. The courses for each emphasis are listed below.

Distance Education

- IT 505 - Needs Assessment and Program Evaluation in Instructional Technology
- IT 510 - Instructional Systems Design
- IT 567 - Online Teaching Tools
- IT 568 - Design and Development of Online Lessons, Modules, and Courses
- IT 569 - Facilitating Online Classrooms
- One Educational Psychology Course chosen from the following:
 - EPFR 514 - College Student Learning and Development
 - EPFR 515 - Issues in Learning Theory
- One Analysis of Educational Issues Course chosen from the following:
 - EPFR 451 - Gender and Education
 - EPFR 520 - Philosophical-Historical Foundations
 - EPFR 521 - Socio-Cultural Foundations
 - EPFR 522 - Diversity in Higher Education

Educational Technologies

- IT 481 - Computers in Education: Theory and Practice
- IT 550 - Emerging Technologies in Education
- IT 560 - Leadership in Educational Technology
- One Distance Education Course chosen from the following:
 - IT 540 - Distance Education
 - IT 567 - Online Teaching Tools
 - IT 568 - Design and Development of Online Lessons, Modules, and Courses
 - IT 569 - Facilitating Online Classrooms
- One Educational Research Course chosen from the following:
 - EPFR 501 - Research Methods
 - EPFR 502 - Qualitative Inquiry in Education
 - EPFR 503 - Research Methods in Higher Education
 - IT 505 - Needs Assessment and Program Evaluation in Instructional Technology
- One Educational Psychology Course chosen from the following:
 - EPFR 514 - College Student Learning and Development
 - EPFR 515 - Issues in Learning Theory
- One Analysis of Educational Issues Course chosen from the following:
 - EPFR 451 - Gender and Education
 - EPFR 520 - Philosophical-Historical Foundations
 - EPFR 521 - Socio-Cultural Foundations
 - EPFR 522 - Diversity in Higher Education

Instructional Design and Performance Improvement

- IT 505 - Needs Assessment and Program Evaluation in Instructional Technology
- IT 510 - Instructional Systems Design
- IT 520 - Performance Technology
- IT 530 - Managing Instructional Development
- One Distance Education Course chosen from the following:
 - IT 540 - Distance Education
 - IT 567 - Online Teaching Tools
 - IT 568 - Design and Development of Online Lessons, Modules, and Courses
 - IT 569 - Facilitating Online Classrooms
- One Educational Psychology Course chosen from the following:
 - EPFR 514 - College Student Learning and Development
 - EPFR 515 - Issues in Learning Theory
- One Analysis of Educational Issues Course chosen from the following:
 - EPFR 451 - Gender and Education
 - EPFR 520 - Philosophical-Historical Foundations
 - EPFR 521 - Socio-Cultural Foundations
 - EPFR 522 - Diversity in Higher Education

Contact Information

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