



MASTER OF SCIENCE (M.S.) IN INSTRUCTIONAL TECHNOLOGY

(30 credits minimum)

Today there is much pressure on teachers and schools to incorporate technology more directly in the classroom, particularly in light of “21st century workforce” demands. In addition, schools handle a wider range of student abilities and differences today than ever before.

While instructional technology tools promise to help enhance what teachers can do, many teachers are not well prepared to use them. Traditional in-service training tends to focus on smaller-scale issues, like how to operate a particular piece of equipment or use a specific piece of software. Often such in-service programs focus more on what is termed productivity software (like word processors and spreadsheets) than on instructional software or instructional uses of the World Wide Web. Seldom do teachers, or “technology support” staff, or administrators get a broader view of technology’s potential role in the schools.

Our master’s program in Instructional Technology focuses on the systematic planning and use of technology and is targeted toward individuals from varied backgrounds who wish to help educators or learn themselves to incorporate technology more effectively in diverse educational settings (including K-12, higher education, informal learning, and corporate training).

Program of Study:

College Requirement (3 credit hours)

Educ 471: Diversity and Multicultural Perspectives (3 cr.)

Content Area Requirements (21 credit hours)

LST 401: Overview of Learning Sciences and Technology (3 cr.)

LST 403: Design of Learning Environments (3)

TLT 406: Tools for Teaching and Learning (3)

TLT 458: Website & Resource Development for Learning (3)

TLT 470: Integrating Technology in the Classroom: <Topic Changes> (3)

TLT 471: Planning for Implementing Technology at the School or District Level (3)

TLT 474: Budgeting, Maintaining, and Evaluating Technology (3)

Electives (6 credit hours)

TLT 450: Technology in School Settings <topic changes> (1-3)

TLT 476: Technology Program Evaluation (3)

EDUC 495: Independent Study in Teaching, Learning, and Technology

EDUC 491, 492: Advanced Seminars <special topics in technology> (1-6)

EDUC 493: Internship in Teaching, Learning, and Technology (3)

Other electives as approved by advisor (0-6)

Frequently Asked Questions:

Do I need to be a teacher or a technologist to pursue a degree in Instructional Technology?

No. Admission to any of our Instructional Technology program is open to all who are interested, regardless of their undergraduate preparation. Our students bring insights and experiences to our class discussions from a wide variety of backgrounds including graphic design, English, computer science, education, engineering, mathematics, music, and psychology, to name a few. One thing our students do have in common, however, is a sincere interest in learning new things and in creating innovative learning environments that will help others understand as well.

Where do your graduates find jobs?

Demand for instructional technologists remains high and there are openings in a wide range of settings. Career options include:

- K-12 Technologist
- TRT (Technology Resource Teacher) positions
- Educational Technology Support
- District-level Technology Coordinator
- University Instructional Technologist
- Museum Technology Coordinator

In addition, graduates from our Instructional Technology programs may find jobs as online teachers in college and university masters programs.

Can I work full time while pursuing an Instructional Technology program?

Sure! In fact, most of our students work full time in addition to taking coursework. That's why we offer ALL of our courses in the 4:00-7:00 and 7:00-10:00 p.m. timeslots.

What will my portfolio look like when I finish?

We push all students to develop professional-level skills from the first. This means the emphasis is on real-world products, not quizzes, tests, exams, or memorization. When you finish, your portfolio will contain:

- *Technology-enhanced lesson and unit plans.*
- *Fully developed e-learning Websites.*
- *Classroom, building, or district-level plans* for implementing technology, training teachers, or evaluating the success of existing implementations
- *Proposals/Presentations/Publications.* If you work on a funded project or collaborate with one or more of the faculty, your portfolio will contain products of that collaboration. Our students frequently present and publish nationally with us.

What kinds of financial support are available?

Most students who get financial support do so by getting work on a funded project. This means that they often need to take at least two of our courses to acquire the skills needed to contribute to such a project. So, students often have to cover their own expenses when they first enroll. Our students are in demand, however, and serve as grad assistants in other areas of the university or garner part-time work in business and industry.

We also have had success landing paid internships for our students. We have placed several students in our ongoing paid internship program with Novartis Pharmaceuticals. One student recently spent a summer as a paid intern at the Museum of National History at the Smithsonian and former students have done similar stints at Merck, Robert Wood Johnson, and Arthur Anderson in Chicago.

In addition, there are a limited number of scholarships available through the Department of Education and Human Services in the College of Education.

Lehigh has a College of Education? I thought Lehigh was an engineering school!

Not only does Lehigh have a College of Education, but we are consistently ranked nationally among the top 50 graduate schools of education in *US News and World Report*. The College's 28 faculty on average produce \$7 million in external funds, write over 80 refereed articles, and present almost 150 scientific papers yearly. College faculty and students have won Fulbright Scholarships, a Knight Fellowship, and APA and AERA Dissertation Awards.

Lehigh University's College of Education Programs in Teaching, Learning, and Technology

The College of Education is a nationally ranked graduate school at Lehigh University, a private institution located in the Lehigh Valley between Philadelphia and New York City. Lehigh actively recruits a diverse student body and welcomes inquiries from all interested students. For more information about our Teaching, Learning, and Technology programs, and how to apply contact:

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