

# Department of Learning Technologies

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**Jeff Allen, Interim Chair**

## Faculty

*Professors* Knezek, Norris, Poirot, J. Wircenski, M. Wircenski. *Associate Professors* Allen, Ennis-Cole. *Assistant Professors* Jones, Li, Lin, Nimon, Warren.

## Introduction

Learning technologies continue to change the face of education and training internationally, nationally, regionally and statewide. The degree programs of the Department of Learning Technologies (formerly in the College of Education) are nationally and internationally known for preparing future educators and technology professionals to advance knowledge of technology tools and their applications. Faculty members within the department continue this leadership role through scholarship, grant acquisition, teaching and service activities.

Learning technologies graduates play key roles in a wide variety of educational and business settings such as principals of schools, technology coordinators, web designers and developers, technical consultants, higher education faculty, instructional designers, and researchers. Their impact on learning technologies will continue to evolve and expand over the next few decades. The vision of the learning technologies department is to provide students with knowledge and experience that add value to learning technologies through research, product development, and application of current tools to solving educational problems.

## Academic Advising

Advising on courses, programs and related questions is available through the department office, Discovery Park, Room G150; 940-565-2057;

[info@lt.unt.edu](mailto:info@lt.unt.edu). Students are encouraged to contact their advisors each term/semester for help with program decisions and enrollment. All students should have an approved degree audit on file as early as possible, but not later than the beginning of the final 30 hours of courses. See individual programs below for more information. Calls and visits by prospective students also are welcomed from 9 a.m. to 5 p.m. Monday through Friday.

## Programs of Study

The Department of Learning Technologies offers undergraduate and graduate programs in the following areas:

- Bachelor of Applied Arts and Sciences with a major in applied technology and performance improvement;
- Master of Education with a major in applied technology and performance improvement;
- Master of Science with majors in applied technology and performance improvement and in computer education and cognitive systems;
- Doctor of Education with a major in applied technology and performance improvement; and
- Doctor of Philosophy with majors in applied technology and performance improvement and in educational computing.

For graduate study, consult the UNT Graduate Catalog.

## Applied Technology and Performance Improvement

The undergraduate program of study prepares students for careers in education, business, industry, and government and leads to a Bachelor of Applied Arts and Sciences with a major in applied technology and performance improvement.

Students may select programs of study in either teaching or non-teaching career interest areas.

Students planning teaching careers in career technical education may complete the program of study for the Bachelor of Applied Arts and Sciences with an emphasis in one of four certification areas. The four career and technology education certification programs are Health Science Education, Marketing Education, and Trade and Industrial Education. The non-teaching career interest offers occupational instruction in performance improvement, general technology, and interdisciplinary studies. It is appropriate for students who desire to complete a baccalaureate degree after completing an occupational specialization program in a community college or four-year institution. It provides an interdisciplinary undergraduate degree for students who were enrolled in or who have graduated from an applied technology program.

## Bachelor of Applied Arts and Sciences with a Major in Applied Technology and Performance Improvement

### Non-Teaching Career Interest

1. **Hours Required and General/College Requirements:** A minimum of 120 semester hours, of which 42 hours must be advanced, and fulfillment of degree requirements for the Bachelor of Applied Arts and Sciences degree as specified in the “General University Requirements” in the Academics section of this catalog.

#### 2. Major Requirements:

**Occupational Specialization:** 36 hours may be completed in an applied technology program at a community college or in occupational training and development courses at the university level. Students should contact an advisor in the applied technology and performance improvement program to determine the 36 semester hours of course work needed to complete the occupational specialization section of the degree audit.

**Professional Development:** 42 semester hours of 3000- and 4000-level courses from within the professional development section of the degree audit (to be determined in consultation with an advisor), which must include the following 30 semester hours:

- LTEC 3010, Personal Development
- LTEC 4070, Principles of Leadership, Empowerment and Team Building
- LTEC 4000, Principles of Training and Development
- LTEC 4121, Technical Presentation Skills
- LTEC 4160, Advanced Computer Applications in Education and Training
- LTEC 4300, Computer Applications in Education and Training
- LTEC 4440, Advanced Instructional Strategies
- LTEC 4470, Human Relations in Business, Education and Industry
- LTEC 4510, Communications in Business, Education and Industry
- LTEC 4741, Applied Technology and Performance Improvement Capstone

3. **Minor Requirements:** A minor is not required for this degree.

4. **Other Course Requirements:** None.

5. **Electives:** See individual degree audit.

6. **Other Requirements:** A minimum overall GPA (all UNT and transferred courses) of 2.50 is required for graduation.

### Teaching Career Interest in Career and Technical Education

1. **Hours Required and General/College Requirements:** A minimum of 120 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Applied Arts and Sciences degree as specified in the “General University Requirements” in the Academics section of this catalog.

#### 2. Major Requirements:

**Occupational Specialization:** 36 hours may be completed in an applied technology program at a community college or in occupational training and development courses at the university level. Students should contact an advisor in the applied technology and performance improvement program to determine the 36 semester hours of course work needed to complete the occupational specialization section of the degree audit.

**Professional Development:** 42 semester hours of 3000- and 4000-level courses from within the professional development section of the degree audit (to be determined in consultation with an advisor), which must include the following 27 semester hours:

- LTEC 3010, Personal Development
- LTEC 4070, Principles of Leadership, Empowerment and Team Building
- LTEC 4120, Instructional Strategies in Career and Technical Education
- LTEC 4160, Advanced Computer Applications in Education and Training
- LTEC 4300, Computer Applications in Education and Training
- LTEC 4440, Advanced Instructional Strategies
- LTEC 4470, Human Relations in Business, Education and Industry
- LTEC 4510, Communications in Business, Education and Industry
- LTEC 4741, Applied Technology and Performance Improvement Capstone

3. **Other Course Requirements:** PSCI 1040; a minimum of 42 hours of advanced work (3000- or 4000-level courses) selected in consultation with a faculty advisor to enhance professional development.

BAAS students in applied technology and performance improvement may complete course work requirements for career and technology education, teacher certification in marketing education, or trade and industrial education. To fulfill the certification requirements, students must complete the required number of courses for the certificate, the number of hours of work experience required for the certificate, pass the reading (230) and writing (220) portions of the THEA, and teach at least two

years on an emergency teaching certificate in an approved applied technology education program at the secondary school level (grades 8–12).

Students who plan to obtain teacher certification in any of the applied technology certification programs should contact a faculty advisor in the department before taking any course work to ensure that they have the necessary qualifications to complete the career and technology education teacher certification program and to complete the required statement of qualifications form.

### Marketing Education Certification

- LTEC 4110, Instructional Design in Career and Technical Education
- LTEC 4120, Instructional Strategies in Career and Technical Education
- LTEC 4130, Professional Responsibilities and Management in Career and Technical Education
- LTEC 4140, Work-Based Learning in Career and Technical Education
- LTEC 4740, Instructional Internship in Applied Technology and Training
- MKTG 3650, Foundations of Marketing Practice
- MKTG 4600, Retailing or MKTG 4630, Electronic Retailing and Promotion Strategies

### Trade and Industrial Education Certification

- LTEC 4110, Instructional Design in Career and Technical Education
- LTEC 4120, Instructional Strategies in Career and Technical Education
- LTEC 4130, Professional Responsibilities and Management in Career and Technical Education
- LTEC 4140, Work-Based Learning in Career and Technical Education
- LTEC 4740, Instructional Internship in Applied Technology and Training (6 hours)

4. **Minor:** A minor is not required for this degree.

5. **Electives:** See individual degree audit.

6. **Other Requirements:** A minimum overall GPA (all UNT and transferred courses) of 2.50 is required for graduation.

## Computer Education and Cognitive Systems

The program in computer education and cognitive systems offers a minor in computer education, as well as a number of elective and service courses designed to enhance the preparation of classroom teachers and corporate professionals by providing opportunities for them to learn about and integrate technology.

## Minor in Computer Education

A minor in computer education requires 18 semester hours. Nine of these must be LTEC 2100, 3220 and 3260. The remaining 9 hours must be advanced LTEC courses at the 3000 or 4000 level.

## Graduate Study

The Department of Learning Technologies offers a comprehensive master's and doctoral curriculum for teacher training, career investigation, administrator preparation, and training and development. The department also offers graduate academic certificates in advanced corporate training and corporate training; and offers applied technology certification programs in administration and supervision, career investigation, office education, job placement, marketing education, trade and industrial education, and health science technology. Qualified undergraduate students may be admitted to graduate study during their final undergraduate term/semester to take graduate credit courses not required to complete a bachelor's degree. For further information on graduate study, consult the Graduate Catalog.

## Courses of Instruction

All Courses of Instruction are located in one section at the back of this catalog.

### Course and Subject Guide

The "Course and Subject Guide," found in the Courses of Instruction section of this book, serves as a table of contents and provides quick access to subject areas and prefixes.