



College of Education  
UNIVERSITY of NEVADA, RENO

# Master of Science (M.S.) in Counseling and Educational Psychology

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with emphasis in:

## Information Technology in Education

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College of Education  
University of Nevada, Reno

**Masters of Science (M.S.) Degree  
Counseling and Educational Psychology  
Emphasis in  
Information Technology in Education**

This Educational Psychology emphasis description includes the following:

- I. Information Technology in Education emphasis**
- II. Admission Policies and Procedures for the M.S. Degree**
- III. Program of Study**
- IV. Additional program requirements**
- V. Accreditation, licensure and certification**
- VI. Additional information**
- VII. Information Technology in Education Coordinator**

**I. INFORMATION TECHNOLOGY IN EDUCATION EMPHASIS**

The Masters of Science degree (M.S.) in Educational Psychology is offered with an emphasis in Information Technology in Education. This emphasis (40-42 credits) provides graduate level training for educators and prospective educators. The use of information technology in teaching and learning is the focus of this emphasis. While a portion of the course work focuses on skill development, emphasis is on examining conceptual frameworks relating to the use of information technology in education. It is assumed that the typical student will have a background in education with an interest in exploring educational uses of information technology in the classroom. However, this is not a prerequisite for admission into the Information Technology in Education emphasis.

**II. ADMISSION POLICIES AND PROCEDURES FOR THE M.S. DEGREE**

**Application deadline for Spring admission: September 1**  
**Application deadline for Fall admission: February 1**

- a. A baccalaureate degree from an accredited college with a grade point average (GPA) of 2.75 or better on a scale of 4.0, or a GPA of at least 3.0 for courses taken during the last half of the undergraduate program.
- b. Graduate Record Examination (GRE) scores must be recorded within the past five years. GRE scores on the Verbal and Quantitative sections must **sum** to at least 750.
- c. Information on Graduate Record Exam (GRE) website <http://www.gre.org>  
Test location: Sylvan Learning Center, 940 West Moana Lane, Reno, NV, (775) 829- 2700, provides GRE testing services on an individual basis.  
GRE Readiness Workshop: Contact Kaplan Testing Prep for times, dates, and locations for workshops at 1-800-kaptest or visit the website at: <http://www.kaptest.com/index.jhtml>
- d. For applicants whose first language is not English, a minimum TOEFL score of 500 is required.
- e. Formal application must be made to the Graduate School (Student Services Building), (775) 784-6869. Allow time for the Graduate School to process the application to meet the CEP program's deadlines.
- f. The following information must be sent directly to:

**Admissions Committee  
Counseling & Educational Psychology Program  
College of Education – Mail Stop 281  
University of Nevada, Reno – 1664 N. Virginia St.  
Reno, NV 89557-0281  
(775) 784-6637, FAX 9775) 784-1990**

- (1) A **letter of application** includes:
  - (i) degree choice (M.S. in educational psychology, emphasis in information technology in education)
  - (ii) a statement of professional career goals (what do you plan on doing with your degree?).
- (2) A **resume** indicating educational, career, and other experiences relevant to becoming a specialist in Information Technology in Education.

(3) **Three letters of recommendation** from professionals assessing your potential for professional graduate level training as a specialist in Information Technology in Education.

- g. Each Applicant will receive from the graduate school notification of acceptance or rejection approximately eight weeks after the application deadline.
- h. Within two weeks following notification from the graduate school, a letter from the CEP program will be sent to successful candidates informing them of a student orientation meeting and the CEP faculty member who has been assigned as each student's advisor.

### III. PROGRAM OF STUDY

40-42 credits are required for completion of the M.S. degree in Educational Psychology with an emphasis in Information Technology in Education.

- a. Core Requirements: (12 credits)

CEP 636 Cognitive Learning (3 cr.)  
EDRS 700 Introduction to Educational Research (3 cr.)  
CEP 705 Advanced Human Growth and Development (3 cr.)  
CEP 738 Learning Theories (3 cr.)

*(Choose one of the following four with advisor's approval:)*

EDRS 640 Educational Measurements and Statistics (3 cr.) *OR*  
EDRS 740 Advanced Educational Measurements and Statistics *OR*  
EDRS 741 Applied Research Design and Analysis I  
(Nonparametric Statistics) (3 cr.) *OR*  
EDRS 743 Applied Research Design and Analysis II  
(Multivariate Statistics) (3 cr.)

- b. Specialty Courses for the Information Technology in Education emphasis (15 credits)

CEP 610 Information Technology in Education (3 cr.)  
CEP 611 Programming Languages in Information Technology in  
Education (*Writing your own Home Page on the World Wide  
Web*) (3 cr.)  
CEP 612 Methods Using Information Technology in Teaching &

Learning (3 cr.)

CEP 613 Computer Telecommunications in Education (3 cr.)

CEP 758 Multimedia and Presentation Technology in Education (3cr.)

c. Practicum Course Requirements (3 credits)

CEP 617 Field Work & Practicum in Information Technology (3 cr.)

d. Elective courses (6 credits)

CEP 720 Instructional Design and Information Technology (3 credits)

CEP 725 Assessment in Information Technology (3 credits)

Maximum 6 credits of 700 level course outside the CEP program which are on the approved Program of Study Form

e. Comprehensive examination, CEP 795 (1-3 credits)

Students must be enrolled for at least *three credits each semester* while they work on their program. Therefore, if comprehensive examination is taken in a semester in which *no other courses are taken*, it must be taken for three credits. Otherwise, it can be taken for one credit.

***NOTE:*** The comprehensive examination is **not** offered in the summer, and ***CANNOT BE TAKEN AT ALL UNTIL ALL CORE COURSES ARE SUCCESSFULLY COMPLETED*** (no core course can be taken *concurrently* with the comprehensive exam).

#### **IV. ADDITIONAL EMPHASIS REQUIREMENTS**

**a. Complete A Program of Study Form:**

The program of study form must be submitted as soon as 12-15 credits of course work have been completed. This form can be obtained on the Graduate School web site ([www.unr.edu/grad](http://www.unr.edu/grad)). It is completed in consultation with the advisor.

**b. Three Credit per Semester Requirement:**

The Graduate School requires that students admitted to master's programs must enroll in at least three credits per semester or they will be withdrawn from graduate standing.

### c. Performance Assessment

Performance assessment of students' dispositions, knowledge and skills will occur upon acceptance to the program, midway through the program, and at program completion.

***Entry Assessment*** - Upon acceptance to the program, students will complete a pretest consisting of **(a)** 100 multiple-choice questions covering CORE course content, **(b)** the Defining Issues Test (DIT), a standardized measure of principled reasoning skills, and **(c)** the Hunt Paragraph Completion Test, a standardized measure of cognitive complexity. These measures will be administered to new students ***at the beginning of their first semester of coursework after admission to the program. At the time of pretest activities, students will be informed of the need to maintain a portfolio that includes a representative sample of items that meet professional International Society for Technology in Education (ISTE) standards.***

***Midpoint Assessment*** - Midpoint assessment occurs when students develop their formal program of study (after completion of 12-15 credits of coursework). At this time, students will submit a professional portfolio for review by an educational psychology faculty. The portfolio will contain products representative of required coursework in the program. If weaknesses are noted, faculty will meet with students to determine remedial procedures. (These may include retaking a course, writing a paper, taking additional coursework or other relevant tasks.)

***Exit Assessment*** (Comprehensive Examination) - After completion of all coursework, students enroll in CEP 795: Comp Exam. The Comprehensive Exam consists of a series of post test activities including (1) a multiple choice exam on core course content knowledge, (2) The Defining Issues Test (to determine if gains have been made on principled reasoning scores), and (3) The Hunt Paragraph Completion Test (to determine if gains have been made on cognitive complexity scores). **Scores on the Defining Issues Test and the Hunt Paragraph Completion Test are used for program evaluation only.**

Students must pass the CORE course content knowledge exam with a score of at least 70 percent. Students who do not pass the exam will be required to take either an oral or written exam over areas of determined weaknesses. The student will work with the advisor to determine the content of the written exam.

During the semester in which students take the comprehensive examination, they will submit their completed portfolio to their advisor who will arrange for review by educational psychology faculty. Content of the student portfolio must demonstrate competency in Information Technology in Education and will be evaluated by the advisor who will arrange for review by Educational Psychology faculty. Content of the student portfolio must demonstrate competency in Information Technology in Education and will be evaluated by the advisor and other Educational Psychology faculty using a scoring rubric.

If weaknesses are noted, students may be asked to retake coursework, write a paper, or work individually with faculty. Faculty will also conduct structured exit interviews with students to determine satisfaction with their program.

**At least two months before the comprehensive examination is to be scheduled, students should meet with their major advisor.**

**d. Six Year Program Completion Requirement:**

Degree requirements for the M.S. degree must be completed in six calendar years from the date of the first course listed in the approved Program of Study Form.

**e. Application for Graduation:**

Graduation applications and deadlines are available on the Graduate School Web site <http://www.unr.edu/grad>

**v. ACCREDITATION, LICENSURE AND CERTIFICATION**

Both the National Council for Accreditation of Teacher Education (NCATE) and the Northwest Association of Schools and Colleges (NASC) accredit the College of Education. The M.S. is not designed to address initial licensure requirements. For licensed teachers, it meets Nevada teacher licensure requirements for teaching computers and related technology.

**VI. ADDITIONAL INFORMATION**

Prospective student meetings are held the second Thursday in January and August at 4 p.m. at the CEP office (call the program, (775) 784-6637 to register for the meeting). To obtain a University of Nevada catalog, contact the ASUN Bookstore, Mail Stop 194, (775) 784-6597. A University of Nevada Graduate School catalog can be obtained on the Graduate School web site <http://www.unr.edu/grad> or visit them in the Student Services building, room 225, or call (775) 784-6869.

## VII. FACULTY TO CONTACT FOR MORE INFORMATION

*Leping Liu, Ph.D.*

**Professor of Information Technology in Education**

**College of Education/281**

**William Raggio Building, 3007**

**University of Nevada**

**Reno, NV 89557-0281**

**(775) 682-5511**

**E-mail: [liu@unr.edu](mailto:liu@unr.edu)**

**Or**

*Cleborne D. Maddux, Ph.D.*

**Foundation Professor**

**College of Education/281**

**William Raggio Building, 3007**

**University of Nevada**

**Reno, NV 89557-0281**

**(775) 682-5509**

**E-mail: [maddux@unr.edu](mailto:maddux@unr.edu)**

\*\*This is an unofficial document published for the convenience of students. The University of Nevada, Reno Catalog is the only official document on these matters.