

**ONLINE PROGRAMS IN  
RESEARCH METHODOLOGY**

Further your research skills,  
education and career  
opportunities by pursuing a  
Masters of Education in

**Measurement  
Evaluation  
Statistics  
Assessment**

or a Certificate in

**Educational  
Research  
Methodology**

The College of Education at the University of Illinois at Chicago is seeking qualified students for its Masters of Education (MEd) in Measurement, Evaluation, Statistics, and Assessment (MESA) online program and for the Educational Research Methodology (ERM) online certificate.

This online program provides an opportunity for domestic and international students with a bachelor's degree to obtain a MEd in MESA. The MEd in MESA online program provides rigorous training in quantitative and qualitative methodologies and addresses the current industry-wide shortage of individuals capable of functioning effectively in educational research and other social science research settings.

The MEd in MESA online program is designed for several student populations: students who want to acquire the knowledge and technical skills needed for positions in academic institutions, research consulting firms, state and federal agencies, school districts, and the testing and evaluation industry (e.g., licensure and certification boards, private and not-for-profit testing organizations);

students who eventually wish to pursue doctoral studies in a MESA area; and PhD students in education and other fields who want to increase their research skills and enhance their career opportunities by simultaneously enrolling in the MEd in MESA online program.

The ERM online certificate provides opportunities for several populations: private and public sector workers in education and other social science fields who want to upgrade their research skills, graduate students from education and other fields who want training in research methods, and those individuals desiring to pursue a shorter and focused course of study in educational research methods with an option to apply for the full MEd in MESA online program.

**What are Measurement, Evaluation, Statistics and Assessment?**

**Measurement** involves the assignment of numbers to objects such that the numbers represent degrees or quantities of unobservable constructs such as attitudes, achievement, self-efficacy, self-esteem, etc.

**Evaluation** involves the systematic collection of information about the activities, characteristics and outcomes of programs to make judgments about program quality, improve program effectiveness, and/or inform decisions about future program development.

**Statistics** involves learning the process that generated the data, including learning how a given variable is affected by other variables and learning about the true (population) distribution of the data.

**Assessment** involves the processes of collecting, synthesizing, analyzing and interpreting quantitative and qualitative information to aid in decision-making.

### **Career Opportunities**

Recent surveys of degree programs and employment agencies conclude that there is high demand for quantitative and qualitative methodologists who can function effectively in research and applied settings.

### **Coursework**

The MEd in MESA online program consists of the following courses:

- Essentials of Quantitative Inquiry in Education
- Educational Measurement

- Multivariate Analysis of Educational Data
- Rating Scale and Questionnaire Design and Analysis
- Educational Program Evaluation
- Assessment for Measurement Professionals
- Data and Interpretation in Educational Inquiry
- Research Design in Education
- Item Response Theory
- Hierarchical Linear Modeling

The ERM online certificate consists of three online courses. The courses taken for the ERM online certificate are determined in consultation with the program coordinator in order to be tailored to the student's career goals.

### **How long does it take to complete either program?**

Students starting the MEd in MESA online program in the Fall semester are expected to take two courses per semester for four consecutive semesters.

The ERM online certificate program length is dependent on the three courses the student selects, as the online courses are offered on a fixed schedule.

### **Where can I learn more?**

Additional information, including degree requirements, course descriptions, a schedule of courses, and FAQs for the MEd in MESA online program and ERM online certificate can be found at

<http://education.uic.edu/programs/27-masters-degree-program/102-online-med-in-measurement-evaluation-statistics-and-assessment-mesa> and

<http://education.uic.edu/programs/30-continuing-education/110-online-educational-research-methodology-erm-certificate>

### **Contact Information:**

For more information about the MEd in MESA online program or the ERM online certificate please contact the MESA Online Admissions Team at [info@online.uic.edu](mailto:info@online.uic.edu) or at (866) 772-2268, Option 1.

### **Links of Interest**

[www.education.uic.edu](http://www.education.uic.edu)  
[www.uiconline.uic.edu](http://www.uiconline.uic.edu)

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