

MA in Educational, School, and Counseling Psychology with Emphasis in Statistics, Measurement, and Evaluation in Education

The Statistics, Measurement, and Evaluation in Education program offers courses in applied statistics, from the quantitative foundations of educational research to advanced methods such as multivariate statistics, multilevel modeling, and latent variable modeling. We also offer a number of courses in educational measurement, covering topics such as classical test theory, item response theory, and generalizability theory. In addition, our students have the opportunity to take a wide range of advanced statistics and quantitative methods courses, from probability, sampling methodology, and categorical data analysis to stochastic theory, time series analysis, Bayesian statistics, and other cutting-edge quantitative techniques. Our students also take courses in learning theories, aspects of human development, and program evaluation.

Degree Requirements

I. General Core Courses	21
Core Statistics and Measurement Courses	12
ESC_PS 7170 Introduction to Applied Statistics	
ESC_PS 8020 Overview of Research Methods	
ESC_PS 8082 Foundations of Educational and Psychological Measurement	
ESC_PS 8850 Quantitative Foundations in Educational Research	
Core General Courses	9
ESC_PS 8957 Qualitative Methods in Educational Research I	
Human Learning (Relevant Course)	
Human Diversity (Relevant Course)	
II. Research Methods Emphasis Area	12
Courses in this area may vary. Possible courses include:	
ESC_PS 8655 Item Response Theory	
ESC_PS 8087 Seminar in Educational, School, and Counseling Psychology	
ESC_PS 8690 Educational Planning and Evaluation	
ESC_PS 8860 Statistical Data Management and Analysis in Educational Research	
ESC_PS 9660 Generalized Linear Modeling	
ESC_PS 9710 Structural Equation Modeling	
ESC_PS 9720 Multilevel Modeling	
Selected graduate level courses in the Psychology Department with advisor approval (e.g. latent variable models in statistical analyses, categorical data analysis)	
Selected graduate level courses from the Statistics Department with advisor approval (e.g. Bayesian statistics, nonparametric statistics). NOTE: MA with thesis or manuscript, 6 hours of these courses must be ESC_PS 8090.	

Sample Plan of Study

The plan of study will depend on the student's career goals and research interests and should be completed in consultation with the Master's Committee.

Thesis/Comprehensive Exam Requirements

The student will consult with the academic advisor about whether to complete a thesis or comprehensive exam.

If choosing a thesis, students work with the academic advisor on developing a thesis proposal, and the student then meets with the Master's program committee to obtain approval of the written thesis proposal. This happens before data collection begins. After the project is completed, the student submits a written thesis and defends the thesis to the Master's program committee. The defense can occur only when MU is officially in session.

If choosing a comprehensive exam, the student must complete: 1) Demonstration of Knowledge via a written exam; and 2) Oral Exam on the Demonstration of Knowledge exam.

Admissions

Applicants are required to meet two sets of minimum qualifications for admission: the requirements of the MA in Educational, School, and Counseling Psychology program (<https://gradschool.missouri.edu/degreecategory/educational-school-and-counseling-psychology/>) and the minimum requirements of the Graduate School (<https://gradschool.missouri.edu/admissions/eligibility-process/>). Because requirements vary, you *must* refer to a degree program's graduate admission page to learn about specific admission criteria, application deadlines, eligibility and application process. Your application materials will be reviewed by both the Graduate School and the degree program to which you've applied before official admission to the University of Missouri.

Apply online by submitting the following documents using the MU Graduate School (<https://gradschool.missouri.edu/admissions/apply/>) application form by January 15th for the next Fall cohort.

- Three letters of recommendation
- Curriculum Vita
- Official academic transcripts of all previous undergraduate and graduate work
 - a. Minimum undergraduate GPA of 3.0 from an accredited institution in psychology, education, statistics, or a related major.
- Statement of purpose addressing the following:
 - a. Describe (1) your research interests that you hope to pursue in graduate school, (2) your career objectives, and (3) how being accepted into MU's program will benefit your career aspirations.
 - b. Describe interests or experience in designing empirical studies and/or analyzing empirical data. (500 words max.)
 - c. Describe interest or experiences that demonstrate your potential in applied, theoretical, and/or computational statistics that you believe distinguish you as a candidate for graduate study. (250 words max.)
- Official Graduate Record Examination (GRE) scores (preferred Verbal score > 151 and Quantitative score > 155)

- TOEFL for international students (preferred score of 580 for paper test, 92 iBT, IELTS 6.5 or higher)