

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

No longer admitting to program.

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

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| 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 Diversity (Relevant Course) | |
| Human Learning (Relevant Course) | |
| Research Methods Emphasis Area | 12 |
| Courses in this area may vary. Possible course selection includes: | |
| ESC_PS 8087 | Seminar in Educational, School, and Counseling Psychology |
| ESC_PS 8655 | Item Response Theory |
| 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). | |

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

Admissions

Applicants are required to meet two sets of minimum qualifications for admission: the requirements of the MEd in Educational, School & 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/>).

- Apply online by submitting the following documents using the MU Graduate School (<https://applygrad.missouri.edu/apply/>) application form by January 15th for the next Fall cohort.
- The three letters of recommendation
- Curriculum Vita
- Official academic transcripts of all previous undergraduate and graduate work
 - Minimum undergraduate GPA of 3.0 from an accredited institution in psychology, education, or a related major.
- Statement of purpose addressing the following:
 - 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.
 - Describe interests or experience in designing empirical studies and/or analyzing empirical data. (500 words max.)
 - 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)