EDUCATIONAL PSYCHOLOGY, MS: EDUCATIONAL STATISTICS AND MEASUREMENT

Many fields and employers need professionals who have expertise in statistics and measurement to make sense of data and use data to answer research questions.

UWM's Department of Educational Psychology offers a few options for students who are interested in specializing in educational statistics and measurement. The Master's program will provide students with the knowledge necessary to execute research and evaluate and critique existing research — a valuable asset whether you're planning to put your skills to use in the workforce right away or go on to doctoral studies.

Why Choose Our MS Program?

Ranked #22 in Best Master's in Assessment and Measurement degree programs of 2022 by Intelligent.com (https://www.intelligent.com/best-masters-in-assessment-and-measurement-degree-programs/).

You'll be taught and mentored by faculty who specialize in this field, and after completing your master's studies you'll be ready to:

- Analyze and interpret data
- Design and build assessment instruments
- Design research projects and address research questions using quantitative data
- Conduct program evaluations

Admission Requirements

Application Deadlines

Application deadlines vary by program, please review the application deadline chart (http://uwm.edu/graduateschool/program-deadlines/) for specific programs. Other important dates and deadlines can be found by using the One Stop calendars (https://uwm.edu/onestop/dates-and-deadlines/).

Application

Before applying please see the Educational Psychology Website (https://uwm.edu/education/academics/educational-psychology-department/) for department-specific application requirements.

Admission

An applicant must meet Graduate School requirements plus these departmental requirements to be considered for admission to the program:

1. An undergraduate GPA of 3.00.
2. Applicants may be admitted with specific program-defined course deficiencies provided that the deficiencies amount to no more than two courses. The student is expected to satisfy deficiency requirements within three enrolled semesters. No course credits earned in making up deficiencies may be counted as program credits required for the degree.
3. Initial advisor assignment will be made by the area chair of the concentration to which the applicant has applied.
4. For the concentrations in Clinical Mental Health Counseling, School Counseling, and School Psychology: a resume or curriculum vitae.
5. Completion of the reason statement in the application.

Credits and Courses

Students are required to complete 30 credits for the master's degree.

Code	Title	Credits
Core		
ED PSY 624	Educational Statistical Methods I	3
ED PSY 720	Techniques of Educational and Psychological Measurement	3
ED PSY 724	Educational Statistical Methods II	4
ED PSY 728	Techniques of Educational Research	3
Cognitive and Developmental Sciences		**6**
ED PSY 631	Cognition: Learning, Problem Solving and Thinking	
ED PSY 640	Human Development: Theory and Research	
ED PSY 734	Contextual Determinants of Motivation	
ED PSY 735	Social Cognition in Educational Psychology	
ED PSY 742	Personality Theories and the Educational Process	
ED PSY 743	Human Development: Study of Infancy and Early Childhood	
ED PSY 746	Human Development: Study of the Adolescent	
ED PSY 747	Human Development: Study of the Adult	
ED PSY 831	Cognition: Theory and Research	
ED PSY 833	Social Psychology of Group Differences: Race and Ethnicity	
ED PSY 834	The Psychology of Achievement Motivation	
ED PSY 844	The Multicultural Family	
ED PSY 845	Immigrant Child in Developmental Perspective	
Electives (11 credits)		**11**
6 credits must be from the following Educational Statistics and Measurement courses:		
ED PSY 820	Multiple Regression	
ED PSY 821	Psychometric Theory and Practice	
ED PSY 822	Item Response Theory	
ED PSY 823	Structural Equation Modeling	
ED PSY 824	Advanced Experimental Design and Analysis	
ED PSY 825	Multivariate Methods	
ED PSY 826	Analysis of Cross-Classified Categorical Data	
ED PSY 827	Survey Research Methods	
ED PSY 828	Program Evaluation in Education	
ED PSY 829	Instrument Development	

ED PSY 832	Theory of Hierarchical Linear Modeling	
ED PSY 922	Seminar in Measurement and Evaluation:	
ED PSY 929	Seminar in Statistics and Research Design	
Total Credits		**30**

Students' programs of study are developed in consultation with their assigned advisor. Other relevant elective courses may be approved by the advisor.

Additional Requirements

Major Professor as Advisor

The student must have a major professor to advise and supervise the student's studies as specified in Graduate School regulations. A student who is not assigned to an advisor at time of admission should immediately contact the Department Chair.

Thesis

Optional. Up to 6 degree credits may be awarded for thesis research.

Comprehensive Examination

The student who writes a thesis must pass a final oral examination in defense of that thesis. The student who does not write a thesis must pass a final oral or written comprehensive examination.

Time Limit

The student must complete all degree requirements within five years of initial enrollment.

Educational Psychology MS: Educational Statistics and Measurement Learning Outcomes

Students graduating from the Educational Statistics and Measurement MS program will be able to:

- Explain how various statistical methods commonly used in educational research are related to and differ from each other.
- Choose the appropriate quantitative method for a given educational research data analysis.
- Analyze data and obtain appropriate results using statistical software.
- Correctly perform and interpret the results of psychometric data analyses.
- Correctly perform and interpret the results of quantitative data analyses commonly used in educational research.