

Post-Masters Certificate in Educational Measurement (EDME) 2018-2019

The University of Arkansas Graduate Certificate program in educational measurement prepares graduates for designing and evaluating measurement instruments in social science, behavioral science, and education-related fields. The primary learning goals of the EDME graduate certificate program are centered around the development of measurement tools such as psychological inventories, attitudinal surveys, and achievement tests, and on the critiquing of instruments currently in use.

An assessment of the effectiveness of the program would include students' ability to:

1. Develop and compare operational definitions of constructs being measured by instruments
2. Create appropriate and effective items and evaluate items created by others
3. Assess reliability and validity of scales
4. Develop, administer and evaluate an instrument
5. Evaluate the appropriateness of an instrument for varying populations and purposes

In order to assess the effectiveness of the student training in the EDME graduate certificate program this year, we aggregated student data from course projects, research / scholarship activities, academic or professional awards, and degree completion.

Assessment Information

Course-Based Data:

The quality of course-based projects provided data for the learning outcomes of mastering instrument development and research-based skills required for instrument evaluations. These projects included the development of measurement instruments, creating and administering surveys, mastering statistical procedures, and developing and implementing evaluation plans. Students were rated a 4 if they earned a mastery level of 90% or higher on their project, 3 for 80-89%, 2 for 70-79%, 1 for 60-69%, and a 0 for less than 60%. Student project performance is typically provided for the courses completed for the certificate in the table below, however we did not have students in the EDME certificate program this year to measure research project and exam performance. The ESRM faculty are considering a merge of the EDST and EDME graduate certificates due to programmatic changes that have occurred.

Measurement and Evaluation Research-Based Skills

Course Project Performance	Average	Minimum	Maximum
Measurement Instrument and Survey Development	--	--	--
Statistical Analyses and Research Design	--	--	--
Psychometric Procedures	--	--	--