



## Quantitative Research, Evaluation, and Measurement (EDUCST-PH, QRE)

*Specialization leading to Doctor of Philosophy in Educational Studies*

### Program Requirements (6 hours)

#### Common Core (6 hours)

EDUCST 6891	Proseminar in Educational Studies (3)
EDUCST 6892	Educational Policy and Inequality in Social and Cultural Context: Integrating Research Traditions (3)

### Specialization Requirements (36 hours)

#### Required Courses (24 hours)

ESQREM 6621	Introduction to Educational Evaluation (3)
ESQREM 6641	Introduction to Educational Statistics (4)
ESQREM 7648	Univariate Experimental Designs (4)
ESQREM 7651	Regression Analysis (4)
ESQREM 7635	Advanced Research Methods (3)
ESQREM 6661	Introduction to Educational Measurement (3)
ESEPHL 7414	Examining Knowledge, Truth, and Objectivity: Philosophy of Science for Educational Researchers (3)

#### Supporting Courses (choose four, minimum 12 hours)

*Two courses from the following list (5-9 hours):*

ESQREM 8648	Multivariate Experimental Designs (4)
ESQREM 8657	Factor and Cluster Analyses (3)
ESQREM 7643	Categorical Data Analysis (3)
ESQREM 8658	Applied Multilevel Data Analysis (3)
ESQREM 8659	Structural Equation Modeling (3)
ESQREM 8895	Seminars: Quantitative Research, Evaluation, and Measurement (e.g., analysis of longitudinal data; meta-analysis) (2-5)

*One course from the following list (2-5 hours):*

ESQREM 7627	Sampling Designs and Survey Research Methods (3)
ESQREM 7631	Applied Evaluation Design (3)
ESQREM 8895	Seminars: Quantitative Research, Evaluation, and Measurement (2-5)

*One course from the following list (2-5 hours):*

ESQREM 7661	Instrument Construction (3)
ESQREM 7663	Test Reliability and Validity (3)
ESQREM 8674	Scaling and Item Response Theory (IRT) (3)
ESQREM 7667	Authentic Assessment (3)
ESQREM 8895	Seminars: Quantitative Research, Evaluation, and Measurement (e.g., advance IRT) (2-5)

Minimum hours  
post-MA/MS: 57

For More Information:  
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## **Research Apprenticeship (9 hours)**

*Consult with faculty advisor*

EDUCST 8191                  Research Apprenticeship: Educational Studies (1-12)

## **Dissertation Requirement (6 hours)**

*Consult with faculty advisor*

ESQREM 8999                  Dissertation or Thesis Research: Quantitative Research, Evaluation, and Measurement  
(minimum 6)

*Note: Students exact curriculum may vary depending upon program of study determined by student and advisor, and approved by the Graduate Studies Committee.*