Quantitative Research, Evaluation, and Measurement (EDUCST-MA, QRE)

Specialization leading to Master of Arts in Educational Studies

**Core Requirements (9 hours)**

<table>
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<th>Requirements</th>
<th>Courses</th>
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<tr>
<td><strong>Foundations Requirement (choose 1; minimum 3 sem. hours)</strong></td>
<td>ESPHE 6250 History of Education OR ESPHE 7572 History of Colleges and Universities (3) ESPHE 6410 Philosophy of Education (3) ESEADM 7359 Leadership, Inquiry, and Ethics (3) ESWDE 5624 Foundations of Workforce Development and Education (3) ESPHE 7222 History of Educational Policy (3) ESSPSY 8056 Roles and Function of School Psychology (3)</td>
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<tr>
<td><strong>Multicultural and Human Diversity Requirement (choose 1; minimum 3 sem. hours)</strong></td>
<td>ESEADM 6360 School and Community Relations (3) ESHESA 7520 Diversity in Higher Education (3) ESCE 7741 Multicultural Issues in Counseling (4) <em>(Counselor Education Students Only)</em> ESSPED 5650 Introduction to Exceptional Children (3) ESWDE 5672 Lifelong Learning in the Adult Years (3) ESEPOL 8209 Cultural Process in Education (3) ESSPSY 7028 Cultural Diversity: Developing a Multicultural Awareness (3) ESEPOL 5217 Comparative Education (3)</td>
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<tr>
<td><strong>Research Requirement (choose 1, 3 hours)</strong></td>
<td>ESQREM 6625 Introduction to Educational Research (3) ESQUAL 7230 Qualitative Research for Educators (3) ESSPED 8861 Behavioral Research Methods in Applied Settings (3) ESCE 6734 Assessment in Counseling (3)</td>
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Minimum hours:
- 31 non-thesis, 34 with thesis

For More Information:
Department of Educational Studies
122 Ramseyer Hall
29 West Woodruff Ave.
Columbus, OH 43210
614-688-4007
EdStudies@osu.edu

**Specialization Requirements (22 hours)**

<table>
<thead>
<tr>
<th>Required Courses (16 hours)</th>
<th>Courses</th>
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<tbody>
<tr>
<td><strong>Required Courses (16 hours)</strong></td>
<td>ESQREM 6641 Introduction to Educational Statistics (4) ESQREM 6621 Introduction to Educational Evaluation (3) ESQREM 6625 Introduction to Educational Research (3) ESQREM 6661 Introduction to Educational Measurement (3) ESPHE 7414 Examining Knowledge, Truth, and Objectivity (3)</td>
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</tbody>
</table>
Supporting Courses (choose two, one from each list below, 6 hours)

One course from the following list (3 hrs)

- ESQREM 8648  
  Multivariate Experimental Designs (4)

- ESQREM 7648  
  Univariate Experimental Designs (4)

- ESQREM 8657  
  Factor and Cluster Analyses (3)

- ESQREM 7643  
  Categorical Data Analysis (3)

- ESQREM 7651  
  Regression Analysis (4)

- ESQREM 8659  
  Structural Equation Modeling (3)

- ESQREM 8658  
  Applied Multilevel Data Analysis (3)

- ESQREM 8895  
  Seminar – Advanced Problems (e.g., analysis of longitudinal data; meta-analysis) (2-5)

One course from the following list (3 hrs)

- ESQREM 7627  
  Sampling Designs and Survey Research Methods (3)

- ESQREM 7631  
  Applied Evaluation Design (3)

- ESQREM 7635  
  Advanced Research Methods (3)

- ESQREM 7661  
  Instrument Construction (3)

- ESQREM 8674  
  Scaling and Item Response Theory (3)

- ESQREM 7667  
  Authentic Assessment (3)

- ESQREM 7663  
  Test Reliability and Validity (3)

- ESQREM 8895  
  Seminar – Advanced Problems (e.g., advanced IRT) (2-5)

Thesis or Non-Thesis Requirement (choose one, 0-3 hours)

Consult with faculty advisor

Thesis Option

- ESQREM 7999  
  Thesis Research: Quantitative Research, Evaluation, and Measurement (minimum 3)

Non-thesis Options (choose one)

- Master’s Examination
- Action Research Project
- Comprehensive Case Study

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