M.S.ED. IN RESEARCH, MEASUREMENT AND EVALUATION

http://sites.education.miami.edu/research-measurement-evaluation-m-s-ed/

The curriculum of the M.S. Ed. in RME is structured around three components: (A) a core set of 24 credits (8 courses of 3 credits each) of required coursework covering the fundamentals of research design, measurement, and statistical analysis; (B) 6 credits of elective coursework; and (C) a comprehensive exam occurring upon the completion of the 24 credits of required coursework. The specific details of the curriculum are given below.

Application Requirements

Admission to all graduate-degree concentrations in the School of Education and Human Development is based on the recommendation of the faculty. Admissions decisions are based on faculty review of the following general requirements that apply to all Graduate Programs in the School as well as specific documents listed under each concentration.

Applicants must:

• achieve acceptable scores on the Graduate Record Exam (GRE) taken within the past five years. International applicants whose native language is not English or applicants whose degrees are from a non-U.S. University must pass the Test of English as a Foreign Language (TOEFL) or International English Language Testing Systems (IELTS) and the GRE;
• provide official transcripts showing completion of a bachelor’s degree from an accredited institution and an acceptable undergraduate grade point average. A minimum of 3.0 undergraduate GPA is required. Official transcripts from every institution attended by an applicant, whether or not the applicant completed a degree program at the institution, are required;
• provide three letters of recommendation that address the issues and meet the criteria established by the program being applied to;
• provide a personal statement that addresses the mission and purpose of the program being applied to;
• resume;
• take part in an admissions interview (required by some programs); and
• exhibit personal and professional experiences and characteristics that are relevant to the profession and/or field and/or degree program for which the application is being submitted.

International Applications

All international applications must provide additional information and meet additional requirements as required by the UM Graduate School and the Office of International Student and Scholar Services. For an appropriate link to these requirements, please visit the Graduate School website.

Admission Decision

Once an applicant has been admitted to graduate study, that individual should meet with the faculty advisor who was appointed to serve in that capacity and whose name appears in the admissions letter. This advisor will help the student enroll in courses that are appropriate to the program; to develop and to refine a Course Sequence Plan that must be on file in the Office of Graduate Studies by the end of the first semester of enrollment.

Honor Code/Handbook of Policies and Procedures

The School of Education and Human Development follows the Graduate School’s Honor Code. All students are required to review the Graduate Student Honor Code and the School of Education and Human Development’s Handbook of Policies and Procedures for Graduate Students and submit the signed Acknowledgement of Receipt located on page 3 by the end of their first semester of enrollment.

Curriculum Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS 700</td>
<td>Quantitative Methods I</td>
<td>3</td>
</tr>
<tr>
<td>EPS 701</td>
<td>Introduction to Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>EPS 702</td>
<td>Quantitative Methods II</td>
<td>3</td>
</tr>
<tr>
<td>EPS 703</td>
<td>Applied Multivariate Statistics</td>
<td>3</td>
</tr>
<tr>
<td>EPS 704</td>
<td>Computer Applications in Educational and Behavioral Science Research</td>
<td>3</td>
</tr>
<tr>
<td>EPS 705</td>
<td>Measurement and Psychometric Theory</td>
<td>3</td>
</tr>
<tr>
<td>EPS 706</td>
<td>Categorical Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EPS 708</td>
<td>An Introduction to Structural Equation Modeling for Multivariable Data</td>
<td>3</td>
</tr>
</tbody>
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Electives **1,2**

Select 2 courses from the following for a total of 6 credit hours:
Mission

The mission of the RME Master's program is to provide students with the requisite training in the application of statistical and measurement methodologies to be a data analyst, research coordinator, or measurement advisor in a variety of professional (e.g., educational assessment) and/or academic (e.g., doctoral student in a related program) settings.
Goals

Student Learning Outcomes

• Students will demonstrate adequate mastery in the advanced statistical and measurement methodology.
• Students will demonstrate adequate mastery for conducting statistical analyses and database management using the R program.