

MICHIGAN STATE UNIVERSITY

MEASUREMENT AND QUANTITATIVE METHODS

Doctor of Philosophy

Application Deadline: Ph.D. – December 1.

Doctoral candidates may select a course of study that enables them to teach college courses in educational measurement, statistics and evaluation; to research measurement or statistics problems; and to occupy positions of leadership in educational, governmental, or independent agencies concerned with educational measurement, statistics and evaluation. Students at this level are also prepared to design and execute research studies, to analyze research data and to consult on problems of research design, evaluation and data analysis. They are also qualified to develop new statistical models and techniques of use to behavioral scientists.

Admission

Factors considered in admissions decisions include:

1. Previous academic performance;
2. Satisfactory scores on the Graduate Record Examination General Test;
3. Fit between the program and the applicant's goals and interests, as described in a written statement of professional goals;
4. Three letters of recommendation, including at least one from a professor and/or employer.

Students are admitted for fall term; to guarantee consideration for admission and financial support, materials should be submitted by December 1.

Degree Requirements

1. Proseminar in Educational Psychology I (CEP 900).
2. Measurement and Evaluation Core
 - a. Measurement and Evaluation for Counseling and Development (CEP 821) or Educational Assessment (CEP 920)
 - b. Psychometric Theory I (CEP 921)
 - c. Psychometric Theory II (CEP 922)

At least one of the following:

- a. Evaluation of Educational Programs and Policies (CEP 826)
- b. Item Response Theory (CEP 923)
- c. Legal and Policy Issues in Assessment and Statistics (CEP 924)
- d. Seminar in Educational Measurement (CEP 939)

3. Statistics/Research Design Core

At least four courses in educational inquiry and research to include:

- a. Educational Inquiry (CEP 930);
 - b. Quantitative Methods in Educational Research (CEP 933);
 - c. A research practicum to be undertaken according to departmental policies; this requirement may be fulfilled through CEP 936 or CEP 995; and
 - d. Multivariate Data Analysis I (CEP 934).
4. Six to nine additional semester credits from measurement and quantitative methods courses tailored to each student's interests.
 5. Additional coursework as needed to prepare for the comprehensive examinations, to fulfill college general education requirements, and to broaden competencies in related areas (e.g., statistics, advanced mathematics, computer programming).
 6. Students are required to pass a preliminary examination and a comprehensive examination administered according to departmental policy.
 7. Students must complete at least 24 credits of CEP 999 for the dissertation.



DEPARTMENT APPLICATION FOR GRADUATE SCHOOL ADMISSION
Measurement & Quantitative Methods

Application Deadline:
PH.D. - DECEMBER 1.

PLEASE RETURN THIS FORM

Application for: Fall Semester 20

Type or Print Legibly!

Ms.
Mrs.
Miss
Mr.

Last Name First Name Middle
PID (if previous MSU student) Birth Date

E-mail Address:

Permanent mailing address:

Phone (include international code)

Day:
Evening:
FAX:

Temporary (current) mailing address:

Phone:

Day:
Evening:

Last Date to receive mail at this address:

FAX :

Check program for which you are applying:

Measurement & Quantitative Methods
Ph.D.

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Graduate Record Examination (GRE) – Date taken or planned: _____

Scores (if known): Verbal _____ Quantitative _____ Analytical _____

TOEFL Score (Total) _____ **(THIS IS A REQUIREMENT FOR INTERNATIONAL STUDENTS)**

Do you have a teaching certificate? Yes _____ No _____

If yes, subject area and level: _____

Current work experience: _____

Degrees earned (or in progress)

<u>Institution and location</u>	<u>Degree</u>	<u>Field of Study-Major/Minor</u>	<u>Date earned/expected</u>
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Undergraduate GPA last 2 years: Overall Undergraduate GPA: Overall Graduate GPA:

Signature: _____ **Date:** _____

**APPLICATION PROCEDURES FOR GRADUATE SCHOOL ADMISSION
Measurement & Quantitative Methods**

**Application Deadline:
PH.D. – DECEMBER 1.**

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THE FOLLOWING INFORMATION IS REQUIRED:

(Please use this as a personal checklist)

University Admissions Application

Application Fee:
\$50.00

Departmental Application

Statement of Goals

Statement Format is on the website

Two (2) official copies of transcripts

from all previous institutions attended.
These must be sent directly from the
institution; please contact the
Registrar's Office at the institutions
you attended for appropriate
procedures and fee information.

Three Letters of Recommendation

Must be submitted on letterhead
stationery of recommender's school or
company.

Graduate Record Examination

Information on testing may be obtained
from the:

MSU Counseling Center
Testing Office
207 Student Services Building
East Lansing, 517-355-8385

Vita or Resume

List professional experience, awards,
honors, publications, presentations,
professional affiliations, and
professional development activities.

Writing Sample

A writing sample is required for all
Ph.D. and Ed.S. programs.

PLEASE SEND ALL APPLICATION MATERIALS TO:

Kathy Dimoff, Admissions Secretary
CEPSE
Michigan State University
447 Erickson Hall
East Lansing, MI 48824-1034 USA