

Degree Requirements: Measurement and Statistics MS

Major Advisor

Upon admission to the master's program, you will be assigned a temporary major advisor who will assist you in selecting courses and planning your first year of study. At the end of the first full year, all students are reviewed by program faculty. At that time, you will choose a permanent advisor who directs the remainder of your program of study and supervises your thesis research if you are taking thesis option.

Supervisory Committee and Program of Study

You and your major professor will select a four-person supervisory committee, which must consist of your major advisor, at least one additional member from the Educational Psychology program, and at least one member from outside the Department of Educational Psychology and Learning Systems. The supervisory committee will formally approve your program of study, conduct your preliminary exam and supervise your dissertation.

In addition to measurement and statistics faculty, faculty in the major areas of learning and cognition or sport psychology who hold graduate faculty status may serve as members of the student's supervisory committee. Faculty from other majors (e.g., instructional systems) may serve on the student's committee, provided that they hold graduate faculty in educational psychology.

Thesis Exams

For Master's students who are taking thesis option, they are expected to write and defend both a prospectus and final thesis to their committee. The committees must be formed according to the rules of the graduate school and College of Education. The defenses can be held with the assistance of distance technology (e.g., Skype). A grade of PASS for the defense of thesis requires at least a majority approval of the committee.

Core Courses and Exam Policy

Required courses:

EDF 5400 Descriptive/Inferential Statistics Applications (4 hrs)
EDF 5401 General Linear Models Applications (4 hrs)
EDF 5402 Advanced Topics in ANOVA (3 hrs)
EDF 5406 Multivariate Analysis Applications (3 hrs)
EDF 5431 Classroom Assessment (3 hrs)
EDF 5432 Measurement Theory I (3 hrs)
EDF 5481 Meth Education Research (3 hrs)
EDF 5971 Thesis (6hrs) – for Thesis-type only

Recommended:

EDF 6937 Hierarchical Linear Models
EDF 5448 Scale/Instrument Development

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Masters' Comprehensive Exams

The Masters' Comprehensive Exam is given twice a year during the second week of Fall and Spring semesters. Students are required to officially register for a zero credit hour for the Comprehensive Exam (EDF 8966) during the semester when taking the exams.

The Masters' Comprehensive Exam consists of two sections- one for Statistics and the one for Measurement. It is given on two days – the Tuesday (for Measurement) and Thursday (for Statistics) of the second week of the term – from 9:00am to 1:00pm. Both sections are administered in a closed book format and each involves a set of questions. An oral exam that covers both sections is required and normally occurs about 2-3 weeks after the written exam.

Doctoral-track masters' students may also request to take the Qualifying Exam in the doctoral program at the same time as the Comprehensive Exam.

Evaluation Procedure and Grades

Written answers are reviewed by the student's committee or provisional committee (if the final committee has not been formed). Evaluations are made based on the student's performance on both written and oral portions. At the end of the oral exam, the faculty members discuss the student's performance and a pass/fail decision is made and the student is immediately notified. An official Pass/Fail grade will be recorded in the student's transcript for Comprehensive Exam.

Retake policy

A student who fails the Masters' Comprehensive Exam may take it during the next semester that the exam is offered. Any student who fails the exam twice will be terminated from his/her degree program.

Thesis Exams

For master's students who are taking the thesis option, they are expected to write and defend both a prospectus and final thesis to their committee. M&S committees must be formed according to the rules of the Graduate School and College of Education. The defenses can be held with the assistance of distance technology (e.g., Skype). A grade of PASS for the defense of thesis requires at least a majority approval of the committee.