

Ph.D. in Educational Psychology
Option: Research, Evaluation, Measurement, and Statistics
Curriculum Requirements

The Ph.D. requires a university-determined minimum of 60 hours beyond the master's degree or a minimum of 90 hours beyond the bachelor's degree.

Students who have been admitted into the Research, Evaluation, Measurement, and Statistics option must earn an A or B in all REMS prefix coursework. All University policies and procedures regarding student conduct and academic integrity will be followed.

A. Inquiry Core (21 hours required)

(REMS 5013	Research Design and Methodology is a required prerequisite)
(REMS 5953	Statistical Methods in Education is a required prerequisite)
REMS 6003	Analyses of Variance
REMS 6013	Multiple Regression
REMS 6023	Psychometric Theory
REMS 6373	Program Evaluation
REMS 6663	Multivariate Statistics
SCFD 6113	Theoretical Foundations of Inquiry
SCFD 6123	Qualitative Research I

B. Educational Psychology Degree Core (9 hours required)

Human Development (3 hours, required)

EPSY 5103	Human Development
EPSY 6043	Adult Development

Learning and Cognition (3 hours, required)

EPSY 5463	Psychology of Learning
EPSY 6163	Emotion and Cognition
EPSY 6533	Human Motivation

Educational Psychology (3 hours, required)

EPSY 6133	History & Systems Psychology
EPSY 5213	Advanced Educational Psychology

C. Research, Evaluation, Measurement, and Statistics Specialization (At least 12 hours total required, 9 hours at 6000 level)

The following is not an exhaustive list. Additional relevant coursework may be found in other departments: e.g., PSYC, STAT, SOC, HDFS. Check catalog for applicable prerequisites.

REMS 5373	Educational Measurements
REMS 5963	Computer Applications in Nonparametric Data Analysis
REMS 6033	Factor Analysis in Behavioral Research
REMS 6320	Doctoral Seminar in REMS
REMS 6383	Program Evaluation II
REMS 6663	Multivariate Statistics
REMS 6673	Item Response Theory
REMS 6683	Hierarchical Linear Models
REMS 6693	Structural Equation Modeling
REMS 6850	Directed Readings
STAT 5043	Sample Survey Designs
SCFD 6190	Qualitative Research: Selected Methods
SCFD 6193	Qualitative Research II

D. Cognate Areas (minimum of 9 hours required)

Courses will be selected from one or two cognate areas to develop and improve knowledge and skills in a content and/or methodological area. Following are some examples of cognate areas and relevant choices in coursework. This is not an exhaustive list.

Student Development and Higher Education

SDEV 5213	Student Development Theory
SDEV 5223	Career Development for College Students
SDEV 5320	Seminar in Student Development
SDEV 5733	Environmental Theory and Student Affairs
SDEV 5333	Effective Leadership in Student Services
SDEV 6173	Administrative Issues in Student Affairs
SDEV 6213	Higher Education Student Personnel Services
EDLE 5953	Developing Educational Organizations
EDLE 5973	Foundations of Higher Education

Mathematical Statistics

MATH 5593	Methods of Applied Mathematics
STAT 5093	Statistical Computing
STAT 5123	Probability Theory
STAT 5133	Stochastic Processes
STAT 5213	Bayesian Decision Theory
STAT 6113	Probability Theory
STAT 6223	Advanced Statistical Inference
STAT 6323	Advanced Design of Experiments

Institutional Research

STAT 5033	Time Series Analysis
ECON 4223	Business and Economic Forecasting
EDLE 6703	Finance in Higher Education
EDLE 6753	Historical Development of Higher Education
EDLE 6803	Administration in Higher Education
EDLE 6823	Educational Leadership

Measurement and Cognitive Psychology

PSYC 4813	Psychological Testing
EPSY 5663	Creativity for Teachers
EPSY 6533	Human Motivation
EPSY 6163	Emotion and Cognition
EPSY 5783	Psychoeducational Assessment of Exceptional Individuals
EPSY 6063	Research Applications with Q Methodology
PSYC 5823	Cognitive Processes

E. Qualifying Exams.

Students must pass a written and oral comprehensive examination. Passing the exams qualifies students for Admission to Doctoral Candidacy, and they should move to the dissertation proposal phase.

F. Dissertation Hours (15 hours required)

Students are expected to complete at least 15 hours of REMS 6000 (Doctoral Dissertation hours). The **dissertation proposal** consists of Chapters 1 through 3 of the dissertation and a presentation to the dissertation committee. An outline will *not* be accepted. After approval of the proposal, including any alterations determined during the proposal presentation, students must complete Chapters 4 and 5, present the **dissertation defense**, and submit the final dissertation, including any alterations determined during the defense presentation, to the Graduate College.

H. Applied Experience

Each student will select two experiences as illustrated in the following list of suggested experiences. The list of experiences may include but is not limited to:

- Develop, implement, and evaluate an instructional unit.
- Develop, carry out, and report in APA style, the results of an original research study.
- Prepare, in APA style, a comprehensive review of some aspect of research methodology.
- Develop and submit a grant proposal to a funding agency.
- Pass an oral exam over a selected area of research methodology.
- Design, conduct, and write an evaluation report for a program.
- Prepare and present a colloquium on a research design and/or statistical analysis topic.
- Prepare a computer simulation (Monte Carlo method) for obtaining an approximate solution to a statistical problem.
- Present an original research study at a regional or national meeting
- Write and field test statistical application computer software.
- Develop and field test a measurement tool.
- Internship in Educational Psychology (EPSY 6460,1-6 hours)