Oklahoma State University

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 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. Doctoral Candidacy
(https://gradcollege.okstate.edu/sites/default/files/AdmDocCandidacyFormMay2016.pdf)

To be admitted to candidacy, a doctoral student must have (1) an approved Plan of Study on file with the Graduate College, (2) a dissertation proposal approved by the student’s graduate advisory committee and, if required, (3) successful completion of comprehensive or qualifying examinations.

A doctoral student must be admitted to candidacy no less than six months prior to graduation. Once admitted to doctoral candidacy a student will be on reduced continuous enrollment. Reduced continuous enrollment has two elements. 1) The candidate must be enrolled in every fall and spring semester until graduation. 2) Two graduate credit hours qualifies as full-time enrollment for doctoral candidates.

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)