Graduate Certificate in Quantitative Methods in Psychology

This program provides training in quantitative methods, experimental design, and statistical techniques that are in current use in the field of Psychology. The program prepares students to conduct analyses of research data independently and to interpret study results. This training will be useful to students applying for jobs in academic, basic, or applied (e.g. governmental, industrial) research settings. Graduate students in Psychology are eligible for this certificate program. Graduate students in other programs are eligible for the certificate program with approval from the Graduate Program Director.

Requirements include: 9 hours of required courses, 9 hours of elective courses, a supplemental requirement (e.g., serving as an instructor or teaching assistant for an approved course), and a colloquium presentation requirement.

Academic Policies

Departmental Academic Standards

In addition to the University requirement that all students admitted into graduate programs must maintain an overall cumulative GPA of 3.0 or better in all upper-division and graduate courses, the Department of Psychology requires in all graduate programs students who attempt a course or courses and receive two grades of C or lower in Psychology courses be dismissed from the program. Students who earn a grade of C or lower in a course must retake the course the next time it is offered and earn a grade of B or better.

Transfer Students with Graduate Credit

Students accepted into the PhD program with graduate credit from The University of Texas at El Paso (including the Psychology Department) or from another university must satisfy the same requirements as those beginning their PhD graduate training in Psychology at UTEP without previously earned graduate credits. The student can petition the Graduate Program Committee to accept a maximum of 24 hours of graduate credit (excluding thesis hours) completed at UTEP or at another institution. Approved credits will appear as Advanced Standing Credit on the Preliminary Plan of Study. Students who have taken PSYC 5301 (Research Applications) from UTEP prior to admission to the PhD program can request that a maximum of three (3) credit hours for this course be included in the 24 hours that can be counted toward their PhD degree, as long as those hours were not used to meet requirements for a previous or separate degree. A doctoral student who wishes to apply more than six (6) transfer credits toward a master's degree at UTEP must obtain prior approval from the department's Graduate Program Director.
The student must make a written request to the Graduate Program Director for Advanced Standing Credit. It is the student's responsibility to provide all evidence and material necessary for the Graduate Program Director to review the request. Advanced Standing Credits are subject to final approval from the Graduate School. Transfer students can be considered for Department of Psychology Evaluation of Advancement to Dissertation only after they complete two academic semesters and all relevant requirements.

Degree Plan

Required Credits: 18

Code	Title	Hours
Quantitative Methods in Psychology (All courses require a grade of C or better)		
Required Courses:		
PSYC 6010	Quantitative Cert Suppl Req	0
PSYC 6307	Appl Correlation & Regres Meth	3
PSYC 6308	Experimentl Design/Anal of Var	3
Psychology Statistics Electives:		
Select two courses from the following:		6
PSYC 6302	Structural Equation Modeling	
PSYC 6303	Seminar in Meta-Analysis	
PSYC 6304	Categorical Data Analysis	
PSYC 6313	Multilevel Modeling	
PSYC 6323	Psychometrics	
PSYC 6335	Research Design/Data Analysis	
Graduate Level Statistics Elective:		
Select three hours from the following:		3
MATH 5311	Topics in Applied Mathematics	
MATH 5321	Principles of Analysis	

MATH 5325	Principles of Algebra
MATH 5329	Numerical Analysis
MATH 5330	Comp Methods of Linear Algebra
MATH 5331	Real Variables
MATH 5335	Techniques in Optimization
MATH 5341	General Topology
MATH 5343	Numer Solution Part Diff Equat
MATH 5345	Numerical Optimization
MATH 5351	Complex Variables
MATH 5370	Special Topics
MATH 5380	Mathematical Statistics I
MATH 5381	Mathematical Statistics II
MATH 5385	Statistics in Research
MATH 5388	Multivariate Data Analysis
MATH 5390 Nonparametric Statistics	
MATH 5391	Time Series Analysis
MATH 5392	Statistical Computing
MATH 5396	Graduate Research
MATH 5398	Thesis 1
MATH 5399	Thesis 2
MATH 6345	Topics in Optimization
PSYC 6302	Structural Equation Modeling
PSYC 6303	Seminar in Meta-Analysis
PSYC 6304	Categorical Data Analysis
PSYC 6312	Program Evaluation
PSYC 6313	Multilevel Modeling
PSYC 6323	Psychometrics
PSYC 6334	Foundations of Research
PSYC 6335	Research Design/Data Analysis
STAT 5329	Statistical Programming
Total Hours	**15**