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

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<td>PSYC 5311</td>
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<td>3</td>
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<td>PSYC 6010</td>
<td>Quantitative Cert Suppl Req</td>
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Electives:

Select two courses from the following:

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<tr>
<td>PSYC 5303</td>
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<tr>
<td>PSYC 5304</td>
<td>Course currently in degree plan, but no longer offered. Please see advisor for substitution.</td>
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<td>PSYC 5323</td>
<td>Psychometrics</td>
</tr>
<tr>
<td>PSYC 5335</td>
<td>Course currently in degree plan, but no longer offered. Please see advisor for substitution.</td>
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<tr>
<td>PSYC 6302</td>
<td>Structural Equation Modeling</td>
</tr>
<tr>
<td>PSYC 6303</td>
<td>Seminar in Meta-Analysis</td>
</tr>
<tr>
<td>PSYC 6304</td>
<td>Categorical Data Analysis</td>
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Graduate Level Elective:
Select three hours from the following:

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 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 5322  Theories/Methods Psychotherapy
PSYC 5351  Behavioral Medicine
PSYC 5355  Seminar in General Psychology
PSYC 5360  Clinical Internship
PSYC 5385  Research Applications
PSYC 5395  Thesis
PSYC 5396  Thesis
PSYC 6302  Structural Equation Modeling
PSYC 6303  Seminar in Meta-Analysis
PSYC 6304  Categorical Data Analysis
PSYC 6307  Appl Correlation & Regres Meth
PSYC 6308  Experimentl Design/Anal of Var
PSYC 6309  Seminar in Psychopathology
PSYC 6312  Program Evaluation
PSYC 6315  Psychopharmacology
PSYC 6319  
PSYC 6323  Psychometrics
PSYC 6330  Social Behavior
PSYC 6334  Foundations of Research
PSYC 6335  Research Design/Data Analysis
PSYC 6342  Special Topics in Psyc & Law
PSYC 6344  Survey of Legal Psychology
PSYC 6351  Behavioral Medicine
PSYC 6355  Seminar in General Psychology
PSYC 6356  Scientific Writing
PSYC 6371  Animal Learning & Behavior
PSYC 6372  Behavioral Neuroscience
PSYC 6380  First Year Research
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**Total Hours**: 18