

Northwestern University
Department of Psychology Graduate Program
Guidelines for the Department Quantitative Certificate

Psychology graduate students interested in receiving recognition for completion of a department quantitative certificate can do so by obtaining a specific portfolio of quantitative coursework. The certificate is administered by the department, and does not result in a demarcation on your diploma. Successful completion of the certificate can be formally recognized on the student's CV and other professional documentation.

The following courses are **required**:

- PSYCH 451 Statistics in Experimental Design
- PSYCH 453 Linear Models: Regression and Correlation

In addition to the required courses, students must successfully complete at least **four** other quantitatively oriented courses. Potential options for this requirement include, but are not limited to:

- PSYCH 405 Psychometric Theory
- PSYCH 450 Fundamentals of Statistics
- PSYCH 454 Structural Equation Modeling
- PSYCH 497 Multilevel Modeling
- STAT 359 Hierarchical Linear Models
- STAT 439 Meta-Analysis
- HDSP 411 Quantitative Methods
- MKTG 530 Applied Data Analysis

This list is not exhaustive. Other courses may fulfill this requirement. Students seeking to fulfill this requirement with courses NOT on this list must obtain approval *in advance* from the Director of Graduate Studies (DGS) and their graduate adviser. Courses on research methods are not necessarily appropriate for this requirement unless they have a heavy statistical or quantitative emphasis.

Graduate students interested in pursuing this department certificate should first discuss the option with their primary adviser. If it is agreed upon, graduate students have the responsibility of tracking their own coursework to ensure all requirements are met. On completion of all requirements, the graduate student should send an email to the DGS, with their primary adviser cc'ed, listing the courses taken to fulfill the requirements of this certificate. Only upon written approval from the DGS can a student in the program formally recognize completion of the department quantitative certificate on their CV and other professional documentation.