

# GRADUATE CERTIFICATE IN ADVANCED QUANTITATIVE METHODS IN PSYCHOLOGY

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The Graduate Certificate in Advanced Quantitative Methods in Psychology provides graduate students with a comprehensive and in-depth understanding of research methodologies that underpin modern psychology. The program is ideal for students who already have a solid foundation in psychological research methods but wish to enhance their proficiency. Its overarching aim is to equip students with advanced knowledge, skills, and abilities that give them a competitive edge in research and other data-intensive work environments.

This certificate is open to students who are currently enrolled in a CSU Department of Psychology graduate program.

## Learning Objectives

Upon successful completion, students will be able to:

1. Determine the correct analytic tools needed to answer a variety of psychological research aims and hypotheses.
2. Apply advanced quantitative research techniques to data using software.
3. Describe and explain findings for a general audience.

## Requirements Effective Fall 2025

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Select three courses from the following list:		9
PSY 600K	Advanced Psychology: Measurement	
PSY 750	Quantitative Methods in Psychology Seminar	
PSY 752	Item Response Theory	
PSY 753	Structural Equation Modeling	
PSY 754	Multivariate Analysis in Behavioral Sciences	
Program Total Credits:		9

\*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.