

QUANTITATIVE RESEARCH METHODS (GRADUATE CERTIFICATE)

The program in Quantitative Research Methods (QRM) is a graduate certificate program administered by faculty in the Departments of Psychological Sciences, Sociology, and Educational Psychology, but drawing students from many other departments and schools. The general structure and policies of this program follow the guidelines for graduate certificate programs specified in the UConn Graduate Catalog. The program's mission is to provide students with a thorough background in quantitative research methods in the psychological sciences that extends the basic research methods training required by their respective graduate programs. Students interested in the program design an individualized plan of study, in consultation with their major advisor, which serves their research needs, interests, and career goals.

Requirements

Prerequisite Course Requirements

PSYC 5104 Foundations of Research in the Psychological Sciences I and PSYC 5105 Foundations of Research in the Psychological Sciences II or equivalent courses. Students who wish to substitute equivalent coursework for these two courses with other graduate level introductory statistics courses need to submit a petition to the Director of the QRM program.

Credit Requirement

Participants in the program complete 12 credits of graduate coursework in quantitative methods. The 12 credits are selected from:

Course	Title	Credits
Select 12 credits from the following:		12
AH 6005	Multilevel Mediation-Moderation Modeling for Health Sciences	
EPSY 6611	Hierarchical Linear Modeling	
EPSY 6615	Structural Equation Modeling	
EPSY 6637	Item Response Theory	
EPSY 6651	Introduction to Methods for Causal Inference Using Educational Data	
HDFS 5095	Special Topics in Human Development and Family Sciences (when taught as Longitudinal Methods, Meta Analysis, or other topic approved by the Program Director)	
MENT 6206	Applied Research in Management	
PSYC 5131	Meta Analysis: Theory and Practice	
PSYC 5332	Research Design and Test Construction	
PSYC 5470	Current Topics in Developmental Psychology	
PSYC 5554	Advanced Nonlinear Dynamics for the Behavioral Sciences	
PSYC 5670	Current Topics in Industrial/Organizational Psychology (when taught as Multivariate Approaches to Survey Data)	
PSYC 5701	Experimental Social Psychology	

PSYC 5702	
PUBH 5434	Topics in Intermediate Biostatistics
SOCI 5203	Quantitative Research I
STAT 3375Q	Introduction to Mathematical Statistics I
or STAT 5825	Applied Time Series

Total Credits 12

Additional courses are acceptable with prior approval. Students who wish to petition for a course that is not listed may do so by submitting a petition with sufficient documentation of the content of the course to the QRM Director (syllabus, exam examples). Such courses cannot be from other institutions.