

# PSYCHOMETRICS AND QUANTITATIVE PSYCHOLOGY (PH.D.)

## Overview

Fordham's doctoral program in psychometrics and quantitative psychology (PQP) offers the opportunity to acquire a variety of advanced and sophisticated measurement, evaluation, and statistical skills, preparing our graduates for careers in industry, research, or teaching. The program requires 81 credits beyond a bachelor's degree (51 credits for students who hold an M.S. or M.A. degree in a relevant field), a comprehensive exam, and a Ph.D. dissertation.

## CIP Code

42.2708 - Psychometrics and Quantitative Psychology.

You can use the CIP code to learn more about career paths associated with this field of study and, for international students, possible post-graduation visa extensions. Learn more about CIP codes and other information resources.

## Requirements

Course	Title	Credits
<b>A. Departmental Course Requirements</b>		
<b>I. Ethical Bases</b>		<b>3</b>
PSYC 6010	Research Ethics and Social Justice	
<i>For II to V, Choose three out of four categories</i>		<b>9</b>
<b>II. Historical Bases</b>		
PSYC 6066	History and Systems	
	or PSYC 520 Fixing Psychology's Replication Crisis	
<b>III. Biological Bases</b>		
PSYC 6654	Introduction to Neuroscience	
<b>IV. Social and Individual Bases</b>		
PSYC 5710	Issues in Social Psychology	
	or PSYC 622 Personality Theories and Research	
<b>V. Cognitive-Affective Bases</b>		
PSYC 6330	Cognitive Development	
	or PSYC 637 Cognition and Affect	
<b>VI. Methodological Bases</b>		<b>15</b>
PSYC 6802	Introduction to Psychology Statistics w/ Lab	
PSYC 6830	Psychology Research Methodology	
PSYC 7804	Regression with Lab	
PSYC 7816	Introduction to Multivariate Analysis	
PSYC 7965	Experimental Design	

### B. Psychometrics & Quantitative Psychology Program Requirements

#### I. Statistics & Research Core Courses

<i>Seven of the following:</i>		<b>21</b>
PSYC 7806	Multidimensional Scaling	

PSYC 7821	Advanced Multivariate Analysis for Psychology
PSYC 7827	Models of Decision and Choice
PSYC 7830	Structural Equation Modeling
PSYC 7850	Hierarchical Linear Models
PSYC 7920	Item Response Theory
PSYC 7940	Bayesian Statistics
PSYC 7950	Correspondence Analysis

*If the student takes all eight courses, the extra course will be counted towards Supplemental Courses*

#### II. Supplemental Courses

<i>Seven of the following:</i>		<b>21</b>
PSYC 5100	Psychometric Theory	
PSYC 6106	Cognitive Assessment with Lab	
PSYC 6119	Personality Assessment with Lab	
PSYC 7811	Missing Data Analysis	
PSYC 7812	Factor Analysis	
PSYC 7815	Cluster Analysis	
PSYC 7832	Meta-Analysis	
PSYC 7835	Categorical Data Analysis	
PSYC 7960	Equating Test Scores	

#### C. Departmental-Wide Requirements

##### I. Seminars **3**

*For 1st - 5th semesters:*

PSYC 8013	Psychometric Topics Seminar I
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*6th semester:*

PSYC 8014	Psychometric Topics Seminar II
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##### II. Colloquium

*For 6 Semesters:*

PSYC 8025	Research Colloquium
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##### III. Research Practicum MA Thesis **3**

PSYC 8050	Pre-Doctoral Thesis
	or PSYC 804 Independent Research

##### IV. PhD Comprehensive Exam

PSYC 0930	Psychology Doctoral Comprehensive Examination <sup>1</sup>
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##### V. Proposal Acceptance **3**

PSYC 0960	Proposal Acceptance
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##### VI. Dissertation Mentoring **3**

PSYC 0970	Dissertation Mentoring-Psychology
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**Total Credits 81**

<sup>1</sup> More information about the Comprehensive Examination can be found on the information page on the Fordham website.