# 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.

## Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 6005</td>
<td>ETHICS IN PSYCHOLOGY</td>
<td>3 to 4</td>
</tr>
<tr>
<td>or CEED 6100</td>
<td>THEORIES &amp; APP IN CONTEMP ETHICS</td>
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</tr>
<tr>
<td>PSYC 6066</td>
<td>HISTORY AND SYSTEMS</td>
<td>3</td>
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### Content bases

- PSYC 6005  | ETHICS IN PSYCHOLOGY                       | 3 to 4  |
- or CEED 6100 | THEORIES & APP IN CONTEMP ETHICS         |         |
- PSYC 6066  | HISTORY AND SYSTEMS                       | 3       |
- PSYC 6654  | INTRODUCTION TO NEUROSCIENCE              | 3       |
- PSYC 5710  | ISSUES IN SOCIAL PSY                      | 3 to 4  |
- or PSYC 6510 | SOCIAL INFLUENCES ON BEH                  |         |
- PSYC 6330  | COGNITIVE DEVELOPMENT                     | 3       |
- or PSYC 6370 | COGNITION AND AFFECT                     |         |
- PSYC 6225  | PERSONALITY THEO & RESEARCH               | 3       |
- or PSYC 6340 | PERSONALITY DEVELOPMENT                   |         |

### Methodological Bases

- PSYC 6802  | INTRO TO PSY STATISTICS W/ LAB             | 3       |
- PSYC 6830  | PSY RESEARCH METHODOLOGY                  | 3       |
- PSYC 7804  | REGRESSION WITH LAB                       | 3       |
- PSYC 7816  | INTRODUCTION TO MULTIVARIATE ANALYSIS     | 3       |
- PSYC 7965  | EXPERIMENTAL DESIGN                       | 3       |

### Statistics & Research Core Courses

Seven of the following: 21

- 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                   |         |

Five Supplemental courses from the following: 15

- PSYC 5100  | PSYCOMETRICS-THEORY                      |         |
- PSYC 6106  | COGNITIVE ASSESSMENT WITH LAB             |         |
- PSYC 6119  | PERSONALITY ASSESS WITH LAB               |         |

## Thesis & Seminars

Six classes in the following:

- PSYC 8013  | PSYCHOMETRIC TOPICS SEMINAR I             |         |
- or PSYC 8014 | PSYCHOMETRIC TOPICS SEMINAR II           |         |

All of the following:

- PSYC 8025  | RESEARCH COLLOQUIUM                       |         |
- PSYC 8040  | INDEPENDENT RESEARCH                      |         |
- or PSYC 805 | PRE-DOCTORAL THESIS                       |         |
- PSYC 0960  | PROPOSAL ACCEPTANCE                       |         |
- PSYC 0970  | Dissertation Mentoring-Psychology        |         |
- PSYC 0930  | PSYCHOLOGY DOCTORAL COMPREHENSIVE EXAMINATION | 1   |

Total Credits 90-93

1 More information about the Comprehensive Examination can be found on the information page on the Fordham website.

## Supplemental courses

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<tr>
<td>PSYC 7812</td>
<td>FACTOR ANALYSIS</td>
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<td>PSYC 7815</td>
<td>CLUSTER ANALYSIS</td>
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<td>PSYC 7832</td>
<td>META-ANALYSIS</td>
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<td>PSYC 7835</td>
<td>CATEGORICAL DATA ANLSYS</td>
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<td>PSYC 7960</td>
<td>EQUATING TEST SCORES</td>
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<td>PSYC 7860</td>
<td>Introduction to Diagnostic Models</td>
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