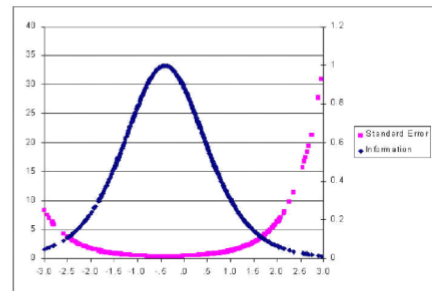


Measurement, Evaluation, and Statistics

Department of Human Development



Ed.D. PROGRAM

Major Code: **MEAS**

Teachers College, Columbia University

2022 - 2023

The Ed.D. Program in Measurement and Evaluation is designed to prepare graduates for careers in a wide range of educational settings. Graduates acquire specialized knowledge and skills in test theory, test and instrument development and validation, program evaluation, and quantitative analysis of educational and psychological data.

Some graduates are employed in city or state departments of education in the planning and supervision of testing programs and research and evaluation projects. Others work for test publishers, licensure and certification boards, and government agencies in the construction of tests or in the management of large-scale testing programs. Still others work for contract research firms evaluating programs in a variety of social science, healthcare, business and industrial settings.

The Ed.D. is appropriate for individuals who wish to focus on the *application* of measurement and evaluation techniques in education, psychology, and business and industry.

Program Requirements

Doctor of Education – 90 points

Measurement Core (15 points):

HUDM 5059	Psychological measurement (3)
HUDM 5124	Multidimensional scaling and clustering (3)
HUDM 6051	Psychometric theory I (3)
HUDM 6052	Psychometric theory II (3)
HUDM 6055	Latent structure analysis (3)

Evaluation Core (12 points):

HUDM 5130	Meta-analysis (3)
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HUDM 5133 Causal inference for program evaluation (3) ORLJ
5040 Research methods in social psychology (3)

with at least one Evaluation course selected from the following:

P8640 Methods in program evaluation (3) (at
Mailman School of Public Health)
P8705 Evaluation of health programs (3) (at
Mailman School of Public Health)
EDPS 5646 Evaluation of Educational and Social Programs (3)
EDPA 6002 Quantitative Methods for Evaluating Educational Policies and
Programs (3)

Quantitative Methods Core (18 points):

HUDM 4122* Probability and statistical inference (3)
HUDM 5122* Applied regression analysis (3)
HUDM 5123 Linear models and experimental design (3)
HUDM 6026 Computational statistics (3)
HUDM 6030 Multilevel and longitudinal data analysis (3)
HUDM 6122 Multivariate analysis (3)

*HUDM 4125 may be substituted for HUDM 4122 and HUDM 5126 may be substituted for HUDM 5122.

Measurement, Evaluation, and Statistics Electives (18 points):

In consultation with an advisor, students can choose 18 points of courses from the below list, as well as from advanced courses offered at Columbia University Statistics Department, Mailman School of Public Health, and programs across Teachers College. The following are suggested but not required:

HUDM 5058 Choice and decision making (3)
P8120 Analysis of categorical data (3) (at Mailman School of Public
Health)
P8121 Generalized linear models (3) (at Mailman School of Public
Health)
W4640 Bayesian statistics (3) (at the Columbia Statistics Program)
P8640 Methods in program evaluation (3) (at Mailman School of Public
Health)
P8705 Evaluation of health programs (3) (at Mailman School of Public
Health)
EDPS 5646 Evaluation of Educational and Social Programs (3)
EDPA 6002 Quantitative Methods for Evaluating Educational Policies and
Programs (3)
HUDM 5250 Research practicum in measurement and evaluation (0-4)

Psychology (18 points):

In consultation with an advisor, a group of courses aimed at substantive preparation in the field of psychology.

Related Courses (6 points):

Selected from the areas of curriculum development, guidance, applied human development, supervision, and administration, and in consultation with an advisor.

Dissertation Advisement and Seminar (minimum of 3 points):

HUDM 7500*	Dissertation seminar (1-3 each for two semesters, total minimum of 3 points required)
HUDM 8900	Dissertation advisement (0)

Special Requirements:

The first two years require full-time study. In addition to the above coursework, an approved empirical paper, successful performance on the certification examination, and completion of an approved doctoral dissertation are also required.

Transfer Credit

Of a planned program of 90 points, at least 45 points must be taken through Teachers College registration. A maximum of 45 points may be transferred from another university for the Ed.D. degree. Only completed graduate courses with earned grades of B or higher that appear on the student's transcript from a regionally accredited institution may be considered for transfer credit.

The student files a "Request for an Allocation of Graduate Credit" with the Office of the Registrar. Once the Office of the Registrar determines the eligibility of courses for transfer, final determination of transfer credit is awarded at the discretion of the faculty advisor after evaluation of the courses for content and relevance to program requirements. The Office of the Registrar notifies the student of the results.

Satisfactory Progress

Students are expected to make satisfactory progress toward the completion of degree requirements. If satisfactory progress is not maintained, a student may be dismissed from the program. Program faculty annually review each student's progress. Where there are concerns about satisfactory progress, students will be informed by the program director. If a student is performing below expectations, remedial work within an appropriate timeline may be required. If satisfactory progress is not maintained, a student may be dismissed from the program.

Satisfactory Progress for the Ed.D. is a B+ or above.

Satisfactory progress for a doctoral research fellow scholarship is a B+ or above.