

APPLIED STATISTICS AND DECISION MAKING (M.S.)

The M.S.S.D. program is no longer accepting applications for incoming students.

Are you enticed by the fact that statistics experts are getting hired everywhere, but you feel that your true calling lies in biomedical research? Do you have a knack for numbers but a devotion to public policy?

These unique combinations find a home in the Gabelli School's Master of Science in Applied Statistics and Decision Making (M.S.S.D.) program. The curriculum is general enough to offer a solid foundation in data science and flexible enough to marry it to the specific area that interests a student most—whether it's a business discipline or not.

This works in your favor in ways you might not even realize: Companies are looking for candidates who demonstrate a clear passion for their chosen field.

Fordham M.S.S.D. students can choose between a one-year, full-time program, or a part-time, two-year option that accommodates work schedules or internships.

To learn more about the M.S. in Applied Statistics and Decision Making, visit the Fordham website.

Requirements

Prerequisites

M.S.S.D. students need basic knowledge of statistics and calculus when they start the program. If you don't have that, we can help. Students who need prerequisites can take them at the Gabelli School prior to beginning the M.S.S.D. coursework.

Curriculum

The schedule below illustrates how the M.S.S.D. is structured for a full-time student who aims to complete the degree in one year. Part-time students work with our program director and academic advisor to stretch the M.S.S.D. over a longer time frame that makes sense for their professional schedules. This is a ten course, 30-credit program, with five required courses and a choice of five electives.

Fall		Credits
SDGB 7844	Stat Methods and Comp I	3
SDGB 7841	Statistical Theory I	3
SDGB 7843	Judgment and Decision Making	3
Six credits of electives from the courses in the table below		6
Credits		15
Spring		
SDGB 7840	Applied Regression Analysis	3
SDGB 7842	Statistical Theory II	3
Nine credits of electives from the courses in the table below		9
Credits		15
Total Credits		30

Elective Courses

Courses in this group have the ASDM attribute.

Students may consult with the Faculty Program Director and Academic Advisor to seek approval to fulfill electives among SDGB, FNGB, GFGB, QFGB, and ISGB courses. Students are responsible for completing any course prerequisites if necessary.

Course	Title	Credits
ACGB 6111	Fundamentals of Accounting I	3
ACGB 7125	Financial Statement Analysis	3
ACGB 7128	Advanced Financial Statement Analysis	3
ACGB 719F	Accounting Controls	3
ACGB 719G	Audit Data Analytics	3
ACGB 719H	IT Audit and Information Assurance	3
ACGB 719J	Industry Analysis and Strategic Planning	3
ACGB 819A	Valuation and Modeling for Accounting	1.5
CISC 5004	Computer Programming C++	3
CISC 5350	Financial Programming	3
CISC 5790	Data Mining	3
DGGB 7850	Forecasting Models	3
ECON 6020	Macroeconomic Theory I	3
ECON 6950	Financial Econometrics	3
FNGB 749A	Financial Modeling	3
ISGB 7967	Data Mining for Business	3
ISGB 7975	Business Analytics for Managers	3
MIGB 7732	Data-Driven Marketing Decisions	3
MKGB 7730	Research Methods	3
MKGB 779I	Data-Driven Marketing Decisions	3
MKGB 8701	Marketing Analytics	1.5
PSGE 7210	Experimental Design	3
PSGE 7213	Application of Multivariate Techniques in Education and Psychology	3
PSYC 7835	Categorical Data Analysis	3
PSYC 7965	Experimental Design	3
QFGB 8925	Simulation Applications	2
QFGB 8935	Risk Management	2