Department of Applied Statistics, Social Science, and Humanities
GEASSRMS Master's Program in Applied Statistics (M.S.)
Program of Study
2021-2022

Total Units Required	34 to 44				

Required Courses			Choose one of the following concentrations (8 units minimum):		
Core Requirements		**23**	**General Applied Statistics:** *Three or more APSTA-GE courses not taken to fulfill another requirement totaling at least 8 credits.*		**8**
Course Number	**Course Title**	**Units**			
APSTA-GE 2003	Intermediate Quantitative Methods: The General Linear Model*	3	**Computational Methods Concentration (8 units)**		
OR			**Course Number**	**Course Title**	**Units**
STAT-GB 2301	Regression/Multivariate Data Analysis	3	APSTA-GE 2011	Supervised and Unsupervised Machine Learning	2
APSTA-GE 2004	Topics in Multivariate Analysis	2	APSTA-GE 2122	Frequentist Inference	2
APSTA-GE 2331	Data Science for Social Impact	3	**AND 2 of the following 3 courses:**		
APSTA-GE 2012	Causal Inference	3	**Course Number**	**Course Title**	**Units**
APSTA-GE 2352	Practicum in Applied Statistics: Statistical Computing**	2	APSTA-GE 2123	Bayesian Inference	2
APSTA-GE 2042 or APSTA-GE 2040	Multilevel Models: Nested Data or Multilevel Models: Growth Curves	2	APSTA-GE 2013	Missing Data	2
APSTA-GE 2139	Survey Research Methods	3	APSTA-GE 2017	Education Data Science Practicum	2
OR			**Data Science for Social Impact Concentration**		**8**
APSTA-GE 2134	Experimental and Quasi-Experimental Design	3	**Course Number**	**Course Title**	**Units**
APSTA-GE 2044	Generalized Linear Models and Extensions	2	APSTA-GE 2011	Supervised and Unsupervised Machine Learning	2
APSTA-GE 2351	Practicum in Applied Statistics: Applied Probability*	3	APSTA-GE 2062	Ethics of Data Science	3
Electives**		**8-10**	APSTA-GE 2355	Data Science Translation	3
Program Electives		**4-10**	**Culminating Experience**		**3-5**
4-10 credits of APSTA-GE courses; not taken to meet any other requirement.			**Course Number**	**Course Title**	**Units**
Unrestricted Electives		**0-6**	APSTA-GE 2310	Internship***	0-2
0-6 credits of any NYU graduate level courses. May opt for all APSTA-GE electives.			APSTA-GE 2401	Statistical Consulting Research Seminar	3

* indicates that the student with equivalent prior coursework may place out of this course.

** indicates that a student with significant experience may qualify for reduced credit or may place out of this course.

*** indicates that if taken for 0 credits, credits must be made up via electives; may be waived if student has significant professional experience in the field.

**** Each student must have at least 8 elective credits, 4 of which must be APSTA-GE. Minimum of 10 elective credits for those that take APSTA-GE 2310 for 0 credits.

Curriculum updated January 2020

File saved April 2021