

Name: _____

UNI: _____

Entered Program: _____

Expected Graduation: _____

Full-time students are expected to complete the program in 2 semesters of coursework. **Part-time students** are expected to complete the program in 4-5 semesters of coursework. If you want to spend additional time at Columbia, please contact QMSS program staff to discuss your academic plan.

Thirty (30) points minimum are required for the degree. Students must maintain a 3.0 or above average.

Course Requirements	Points	Semester/Year
A. QMSS G4010: Theory and Methodology	4	Fall
B. QMSS G4021: Research Seminar	2	Fall
QMSS G4022: Research Seminar	2	Spring
C. QMSS G4015: Data Analysis for Social Science	4	Fall
D. General Data Science Course: take one of the following	4	Fall/Spring
a. QMSS G4070: GIS and Spatial Analysis	4	Fall
b. QMSS G5070: Modern Data Structures	4	Fall
c. QMSS G4059: Introduction to Missing Data	4	Spring
d. QMSS G4062: Social Network Analysis	4	Spring
e. QMSS G4071: Advanced GIS and Spatial Analysis	4	Spring
E. Algorithmic Learning: take one of the following		
a. STAT W4241: Statistical Machine Learning	3	Spring
b. COMS W4771: Machine Learning	3	Fall/Spring
c. QMSS G4058: Data mining for Social Science	4	Fall
F. QMSS G4063: Data Visualization	4	Spring
G. Elective course		
H. Elective course		
I. QMSS G5999: Master's Thesis	3 or 4	

Thesis Title: _____

Advisor (if applicable): _____