

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 and complete the equivalence of 2 full Residence Units.

Course Requirements	Points	Semester/Year
A. QMSS GR5010: Theory and Methodology	4	Fall
B. QMSS GR5021: Research Seminar	2	Fall
QMSS GR5022: Research Seminar	2	Spring
C. QMSS GR5015: Data Analysis for Social Science	4	Fall
D. General Data Science Course: take one of the following	4	Fall/Spring
a. QMSS GR5052: Practicum in Data Analysis	2	Fall/Spring
b. QMSS GR5062: Social Network Analysis	4	Spring
c. QMSS GR5067: Natural Language Processing	4	Fall
d. QMSS GR5069: Applied Data Science for Social Science	4	Spring
e. QMSS GR5070: GIS and Spatial Analysis	4	Fall
f. QMSS GR5072: Modern Data Structures	4	Fall
E. Algorithmic Learning: take one of the following		
a. QMSS GR5058: Data mining for Social Science	4	Fall
b. QMSS GR5073: Machine Learning for Social Science	4	Fall/Spring
F. QMSS GR5063: Data Visualization	4	Spring
G. Elective course	_____	_____
H. Elective course	_____	_____
I. QMSS GR5999: Master's Thesis	3 or 4	_____

NOTE: This MUST be taken during your *last* semester in the program.

Thesis Title: _____

Advisor (if applicable): _____