Program in Quantitative Social Science
Major planning worksheet

Prerequisites:

(1) Programming: either COSC 1, ENGS 20, or another programming course approved by the QSS Chair. Term: _____

(2) Mathematics: MATH 3 and MATH 8. Terms: _____

(3) Introductory statistics: either ECON 10, GOV 10, MATH 10, QSS 15, PSYC 10, SOCY 10, or another introductory statistics course approved by the QSS Chair. Term: _____

(4) Intermediate statistics: one of ECON 20, GOV 19.01, MATH 40, MATH 50, QSS 54/SOCY 54 or another intermediate level statistics course approved by the QSS Chair. Term: _____

(5) Modeling: either ECON 21, QSS 18/GOV 18, QSS 30.04/MATH 30.04 or another game theory course approved by the QSS Chair. Term: _____

(6) Introductory social science: one of ANTH 1, ANTH 6, ECON 1, EDUC 1, GEOG 2.01 (GEOG 1), GEOG 8.01 (GEOG 6), GOV 3, GOV 4, GOV 5, GOV 6, PSYC 1, SOC 1, or another course approved by the QSS Chair. Term: _____

Core curriculum:

QSS 17 Term: _____
QSS 20 Term: _____

Methods-oriented requirements:

(1) MATH 11, MATH 13, or MATH 22. Term: _____

(2) One course from the following list:

- COSC 74, Machine Learning and Statistical Data Analysis
- GEOG 9.01 (GEOG 54), Geographical Information Systems
- GEOG 54, Geovisualization
- MATH 36, Mathematical Models in the Social Sciences
- MATH 50, Introduction to Linear Models
- MATH 76, Topics in Applied Mathematics (to be approved by the QSS Chair)
- QSS 30, Special Topics in QSS
- QSS 41, Analysis of Social Networks

Term: _____
Social science requirements:

Four non-introductory courses that focus on a social science area of the student’s choosing. A student pursuing the major in QSS should consider the extent to which his or her social science courses are coherent, and the QSS Chair will be available to offer guidance on this.

_____________________________________  Term: _________
_____________________________________  Term: _________
_____________________________________  Term: _________
_____________________________________  Term: _________

Research requirement:

To graduate with a major in QSS, a student must complete an independent research project. At the end of his or her third year on campus, each QSS major must choose one of two project options: either QSS 82, an intensive one-quarter project, or QSS 81, a three quarters honors thesis.