

Program in Quantitative Social Science

Minor planning worksheet

Name _____

Graduation year _____

Dart ID _____

Date _____

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.

Term: _____ Term: _____

(3) Introductory statistics: either ECON 10, ENVS 10, GOV 10, MATH 10, QSS 15, PSYC 10, or SOCY 10.

or another introductory statistics course approved by the QSS Chair.

_____ Term: _____

(4) Intermediate statistics: either ECON 20, GOV 19.01, MATH 40, MATH 50, or QSS 54. or another intermediate level statistics course approved by the QSS Chair.

_____ Term: _____

(5) Mathematical Modeling: ECON 21, QSS 18/GOV 18, QSS 30.04/MATH 30.04, or QSS 36 or another game theory course approved by the QSS Chair.

_____ Term: _____

Core curriculum

QSS 17, Data Visualization

Term: _____

QSS 20, Modern Statistical Computing

Term: _____

Methods-oriented requirements

Two courses to be selected from the following list:

COSC 74, Machine Learning and Statistical Data Analysis

GEOG 9.01, Geographical Information Systems

GEOG 54, Geovisualization

MATH 50, Introduction to Linear Models

MATH 76, Topics in Applied Mathematics (to be approved by the QSS Chair)

QSS 19, Advanced Data Visualization

QSS 30, Special Topics in QSS

QSS 36, Mathematical Models in the Social Sciences

QSS 41, Analysis of Social Networks

QSS 45, Artificial Intelligence and Machine Learning for Social Science

(1) _____

Term: _____

(2) _____

Term: _____

The special topics course, QSS 30, may be taken more than once as long as different electives are selected.

Moreover, with permission from the QSS Chair, students may substitute other courses offered at Dartmouth for any of the courses listed above.

Research requirement

QSS 82

Term: _____