

# Program in Quantitative Social Science

## Major planning worksheet

The major in Quantitative Social Science consists of courses to be selected as follows.

### Prerequisites:

The QSS major requires honors standing at Dartmouth. For details on this, see the guidelines in [Organizations, Regulations, and Courses](#) (the ORC).

(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, MATH 40, MATH 50, or another intermediate level statistics course approved by the QSS Chair. \_\_\_\_\_ Term: \_\_\_\_\_

(5) Modeling: either ECON 21, QSS 18/GOV 18, 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 1, GEOG 6, GOV 3, GOV 4, GOV 5, GOV 6, PSYC 1, SOC 1, or another course approved by the QSS Chair. \_\_\_\_\_ Term: \_\_\_\_\_

### Methods-oriented requirements:

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

(2) Two courses from the following list:

COSC 74	Machine Learning and Statistical Data Analysis
GEOG 50	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 17	Data Visualization
QSS 30	Special Topics in QSS
QSS 41	Analysis of Social Networks

(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 for courses offered at Dartmouth for any of the two required courses listed above.

**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: _____

**Thesis requirement:**

Each QSS major must complete an honors thesis and take QSS 88 for credit at some point during the student's thesis year. This course will in general be taken in the winter quarter. The thesis will be graded and presented in accordance with Dartmouth College thesis rules and guidelines that have been established by the QSS Steering Committee and can be viewed on the QSS website.

Term: \_\_\_\_\_

More details on QSS can be found at <http://qss.dartmouth.edu>, and students should email [qss@dartmouth.edu](mailto:qss@dartmouth.edu) with questions about the program.

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