

Program in Quantitative Social Science

Major planning worksheet

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

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, 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: _____

Research project 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.

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

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