

# Program in Quantitative Social Science

## Minor planning worksheet

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

### Five prerequisites:

(1) Programming: either COSC 1 or ENGS 20. \_\_\_\_\_ Term: \_\_\_\_\_

(2) Intermediate calculus: MATH 8. \_\_\_\_\_ Term: \_\_\_\_\_

(3) Mathematical modeling: either GOV 18, MATH 36, QSS 30.04, or ECON 21 (or other course, approved by the QSS Chair). \_\_\_\_\_ Term: \_\_\_\_\_

(4) Introductory statistics: either ECON 10, ENVS 10, GOV 10, MATH 10, QSS 15, PSYC 10, or SOCY 10. \_\_\_\_\_ Term: \_\_\_\_\_

(5) Intermediate statistics: either ECON 20, GOV 19.01, MATH 40, MATH 50, or QSS 45. \_\_\_\_\_ Term: \_\_\_\_\_

### Three required courses to be selected from:

COSC 74	Machine Learning and Statistical Data Analysis
GEOG 50	Introduction to Geographical Information Systems
GEOG 54	Geovisualization
MATH 70	Elements of Multivariate Statistics and Statistical Learning
QSS 17	Data Visualization
QSS 30	Elective course, various topics
QSS 41	Analysis of Social Networks

(1) \_\_\_\_\_ Term: \_\_\_\_\_

(2) \_\_\_\_\_ Term: \_\_\_\_\_

(3) \_\_\_\_\_ Term: \_\_\_\_\_

With permission from the QSS chair, students may substitute other courses for courses on this list. In addition, the elective course QSS 30 may be taken multiple times.

**Research seminar: QSS 80** \_\_\_\_\_ 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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