

Quantitative Studies Pathway

The Quantitative Studies Pathway exposes students to scientific and logical modes of analysis in a wide variety of fields, including mathematics, the sciences, philosophy, and music.

Your Pathway must contain 4 courses drawn from at least 3 of the disciplinary areas listed below. Honors, special-topics, and study-abroad courses may be used in Pathways if they have been approved for this purpose

Fine Arts (maximum 2 courses)

MUS 106 Jazz & Sound

MUS 120 Theory of Music I

MUS 220 Theory of Music II **prereq MUS 120 or instructor permission*

Mathematics (maximum 2 courses)

MATH 130 Introduction to Statistics

MATH 205 Discrete Mathematics I **4 credits; prereq 3 years of high school mathematics*

MATH 210 Linear Algebra **coreq MATH 241 or instructor permission*

MATH 241 Calculus I **4 credits; prereq 3 yrs. of high school mathematics incl. trig. or MATH 120*

MATH 242 Calculus II **4 credits; prereq 241*

Natural Science (maximum 2 courses)

CHEM 101 Introduction to Chemistry

CHEM 132 General Chemistry II **Lab course; prereq CHEM 131*

ENSC 305 Environmental Economics **cross-listed ECON 305; prereq ECON 103*

PHYS 108 Introduction to Cosmology

PHYS 201 College Physics I

PHYS 202 College Physics II **prereq College Physics I, PHYS 211 General Physics I, or instr. perm.*

PHYS 211 General Physics I **pre- or co-req MATH 241*

PHYS 212 General Physics II **pre- or co-req MATH 241*

PHYS 221 Modern Physics **prereq MATH 241*

Philosophy (maximum 2 courses)

PHIL 203 Introduction to Logic

PHIL 235 Philosophy and Technology

PHIL 310 Symbolic Logic

Social Science (maximum 2 courses)

ECON 104 Principles of Macroeconomics **prereq ECON 103*

ECON 150 Economics of Social Issues

ECON 305 Environmental Economics **prereq ECON 103; cross-listed ENSC 305*

POSC 121 Polling & the Survey Instrument **1-credit course*

POSC 122 Survey Design & Data Collection **1-credit course*

POSC 124 Polling & the Media **1-credit course*

POSC 235 Scopes & Methods of Political Analysis **prereq soph. standing, POSC 110 & POSC 111*

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Quantitative Studies Pathway, continued

Social Science (maximum 2 courses), continued

POSC 289 Public Opinion & Politics **prereq POSC 110*

POSC 325 Political Economy: The Rise of the Asia-Pacific **prereq POSC 111 or POSC 113, or instructor permission*

POSC 342 Survey Research & Political Data Analysis **prereq 1 200-level course from any subfield or instr. permission*

PSYC 350 Psych. Research Method. & Lab **prereqs PSYC 101 MATH 130 & CSIS 103 or EDUC 150*

SOCW 383 Social Work Methods I **prereq SOCW 330; majors only*

Non-Breadth Options (maximum 1 course)

COM 200 Communication Research **prereqs COM 102, CMPT 103*

CMPT 120 Introduction to Programming

CRJU 374 Criminal Justice Research Methods **prereq MATH 130, CRJU 105*

ENG 222 Introduction to Professional Writing

FASH 365 Merchandise Planning & Control **prereq FASH 265*