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
FASH 365 Merchandise Planning & Control *prereq FASH 265