Mathematics Course Flow for Management, Economics, or Finance at King's

Choose the pathway that is applicable to your situation

Psychology

Note: these both require any

grade 12 mathematics.

Take math 0109A if missing

this prerequisite.

Can be taken as electives for

MOS or Economics (and may

count toward progression

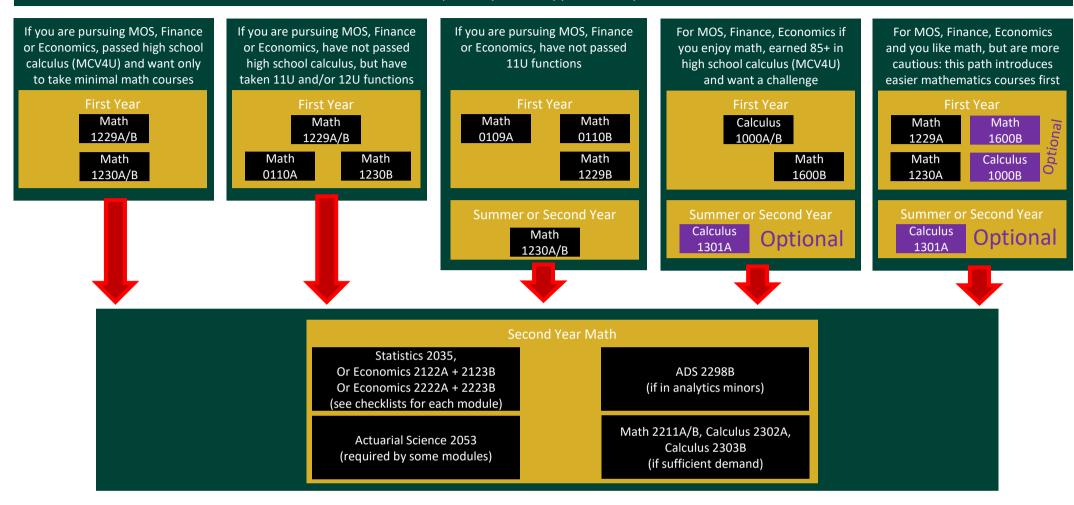
requirements for some nonhonors modules)

Statistics

1024A/B

Math

1228A/B



First Year Course Information (brief)

Math 0109A: preparatory mathematics (functions, finance, finite)

Math 0110A/B: introductory calculus (limits, differentiation, optimization)

Math 1228A/B: finite mathematics (counting, permutations, combinations, probability)

Math 1229A/B: introductory vector and matrix algebra (without proofs)

Math 1230A/B: calculus for management (multivariable optimization, integration, modeling)

Math 1600A/B: linear algebra (proof-based and challenging)

Calculus 1000A/B: higher-level course on introductory calculus that explores both foundations

and applications (limits, differentiation, optimization, integration, area, volume)

Calculus 1301A: continuation of calculus 1000A/B (more integration, sequences, series, power series, convergence, calculus of polar and parametric curves, differential equations)

series, convergence, calculus of polar and parametric curves, differential equations)

Statistics 1024A/B: intro to statistics (inference, correlation, hypothesis testing, regression)

Second Year Course Information (brief)

Statistics 2035: general statistics for business and social science

Economics 2122A: econometrics I (non-honors statistics for economics and finance)

Economics 2123B: econometrics II(continuation of Economics 2122A)

Economics 2222A: econometrics I (honors statistics for economics and finance)

Economics 2223B: econometrics II continuation of Economics 2222A)

Actuarial Science 2053: mathematics for financial analysis

ADS 2298B: operations research (computer programming, optimization, decision

analysis, simulations, and applications)

Math 2211A/B: continuation of math 1600A/B (not typically offered)

Calculus 2302A: vector calculus with multivariable optimization (not typically offered)

Calculus 2303B: integral calculus of several variables (not typically offered)