



MAJOR REQUIREMENTS FOR STUDENTS WITH A MATHEMATICS-QUANTITATIVE FINANCE DOUBLE MAJOR

Department of Finance and Business Law

General degree course (3 credit hour course):

COB 241 Financial Accounting

Finance courses (27 credit hours):

FIN 250 Introduction to Quantitative Finance
 FIN 365 Intermediate Financial Management
 FIN 371 Principles of Investments
 FIN 380 Elemental and Derivative Securities
 FIN/MATH 395 Mathematical Finance
 FIN/MATH 405 Securities Pricing
 FIN 450 Financial Risk Management
 FIN 480 Seminar in Financial Engineering

Choose one of the following (3 credit hours)

FIN/MATH 328 Time Series Analysis
 FIN/MATH 465 Seminar in Actuarial Science I
 FIN/MATH 466 Seminar in Actuarial Science I
 FIN/ECON 372 International Finance and Payments
 FIN 455 International Financial Management
 FIN 471 Advanced Topics in Investments
 FIN475 Financial Modeling and Risk Analysis
 FIN 488 Advanced Financial Policy
 BLAW 470 Financial Products: Regulation and Protection

Economics courses (9 credit hours¹):

GECON200² Introduction to Macroeconomics
 ECON 201³ Principles of Microeconomic Theory
 ECON 331 Intermediate Microeconomic Theory

Mathematics courses (27 credit hours⁴):

MATH235⁵ Calculus I
 MATH 236 Calculus II
 MATH 237 Calculus III
 MATH 238 Linear Algebra and Differential Equations
 MATH 248 Computer Methods in Engineering and Science
 MATH 318 Introduction to Probability and Statistics
 MATH 440 Fourier Analysis and Partial Differential Equations
 Mathematics elective (MATH328 recommended)

One of the following:

MATH411 Advanced Calculus II
 MATH431 Abstract Algebra II
 MATH435 Introduction to Topology
 MATH441 Analysis and dynamics of Differential Equations

¹ 9 hours; 3 credit hours are considered General Education hours and 3 credit hours satisfy the Scientific Literacy requirement.

² General Education requirement in Cluster Four

³ Satisfies scientific literacy requirement

⁴ 4 of which satisfy the General Education credit hours

⁵ General Education requirement in Cluster Three.