FINANCIAL MATHEMATICS CONCENTRATION, MATHEMATICAL SCIENCES (BS)

Prerequisite Requirements

Students must meet the prerequisite of ACC 101 and ECO 105 prior to some courses in the Finance Minor.

Concentration Requirements

This concentration is a Mathematics Major that includes the set of courses which constitute the Finance Minor. It includes courses that are relevant to contemporary financial mathematical modeling, along with courses in Finance and their prerequisites.

Course	Title	Quarter Hours
MAT 351	PROBABILITY AND STATISTICS I	4
MAT 352	PROBABILITY AND STATISTICS II	4
MAT 353	PROBABILITY AND STATISTICS III	4
MAT 355	STOCHASTIC PROCESSES	4
MAT 368	MATHEMATICS FOR FINANCE	4
MAT 304	DIFFERENTIAL EQUATIONS	4
or MAT 385	NUMERICAL ANALYSIS I	

Finance Minor Requirements Embedded in the Financial Mathematics Concentration

Course	Title	Quarter Hours
FIN 310	INTRODUCTION TO FINANCE	4
FIN 311	CORPORATE FINANCE	4
FIN 330	INVESTMENTS: THEORY & PRACTICE	4
Select two electives from the following:		8
FIN 313	INVESTMENT BANKING	
FIN 320	MONEY AND BANKING	
FIN 323	COMMERCIAL BANKING	
FIN 324	BANKING & CREDIT ANALYSIS	
FIN 333	FINANCIAL STATEMENTS ANALYSIS	
FIN 335	PORTFOLIO MANAGEMENT	
FIN 336	EQUITY RESEARCH	
FIN 340	INTERNATIONAL FINANCE	
FIN 355	GLOBAL IPOS & VENTURE CAPITAL	
FIN 362	ENTERPRISE RISK MANAGEMENT	
FIN 363	DERIVATIVES: PRICING & APPLICATIONS	
FIN 365	PRINCIPLES OF RISK & INSURANCE	
FIN 380	CASES IN FINANCIAL DECISION MAKING	
FIN 381	BEHAVIORAL FINANCE	
FIN 393	FINANCE INTERNSHIP	
FIN 395	INVESTMENT SEMINAR	
FIN 398	SPECIAL TOPICS	
FIN 399	INDEPENDENT STUDY	
RE 350	REAL ESTATE ANALYSIS	

Open Electives

Open elective credit also is required to meet the minimum graduation requirement of 192 hours.

Additional Recommended Courses

Course	Title	Quarter Hours
MAT 341	STATISTICAL METHODS USING SAS	
MAT 356	APPLIED REGRESSION ANALYSIS	
MAT 358	APPLIED TIME SERIES AND FORECASTING	
MAT 370	ADVANCED LINEAR ALGEBRA	