ACTUARIAL MATHEMATICS MAJOR, B.A.

Mathematics & Computer Science Department; Shaw School of Sciences

In recent years, the need for additional analytical and technical skills in financial and risk analysis has grown significantly. The technical nature of modern financial and economic analysis requires a student with a strong mathematical and computational background in addition to strong skills in business and economics. The marketplace is also demanding this new combination of skills. The continued spread of free-market economies increases the potential for financial mathematics graduates to have international impact in an environment that seeks those who have a worldview shaped by the classical liberal arts and complemented by cutting-edge financial analysis.

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement.

MAJOR REQUIREMENTS (56)

__ 3	ACC	201	Financial Accounting
__ 3	ACC	202	Managerial Accounting
__ 4	CSC	121	Computer Programming I ___ Lab
__ 3	ECN	272	Intro Microeconomics
__ 3	ECN	273	Intro Macroeconomics
__ 3	FIN	351	Principles of Finance
__ 3	FIN	372	Global Markets/Institutions
__ 3	MAT	130	Modeling Your World
__ 4	MAT	181	Calculus I ___ Lab
__ 4	MAT	182	Calculus II ___ Lab
__ 4	MAT	183	Calculus III ___ Lab
__ 3	MAT	252	Differential Equations
__ 3	MAT	255	Financial Mathematics
__ 3	MAT	271	Linear Algebra
__ 3	MAT	281	Probability
__ 1	MAT	475	Senior Seminar

Choose two courses:

	ACC	361	Info Systems & Business Tech
	BU	211	Principles of Management
__ 3	BU	321	Business Law I
	BU	331	Human Resource Mgmt
__ 3	FIN	352	Principles of Investment
	MAT	350	Mathematical Modeling
	MAT	442	Numerical Analysis

PLUS FOUNDATIONS REQUIREMENTS (50)
(3 hours Social Science and 3 hours Math satisfied by required major courses.)

Plus electives needed for the 124 hour degree requirement (18)