ASBURY UNIVERSITY
OFFICE OF THE REGISTRAR

2021-2022

ACTUARIAL MATHEMATICS MAJOR, B.A.

Mathematics Department; School of Science, Health & Mathematics

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 (57)

__ 3	ACC	201	Financial Accounting	
__ 3	ACC	202	Managerial Accounting	
__ 4	CSC	121	Data Science I	___ Lab
__ 4	CSC	122	Data Science II	___ Lab
__ 3	ECN	272	Intro Microeconomics	
__ 3	ECN	273	Intro Macroeconomics	
__ 3	ECN	372	Intl Financial Markets	
__ 3	FIN	351	Principles of Finance	
__ 4	MAT	181	Calculus I	___ Lab
__ 4	MAT	182	Calculus II	___ Lab
__ 4	MAT	183	Calculus III	___ Lab
__ 3	MAT	252	Diff Equations & Modeling	
__ 3	MAT	255	Financial Mathematics	
__ 3	MAT	271	Linear Algebra	
__ 3	MAT	281	Probability	
__ 1	MAT	474	Fin Math Capstone	

Choose two courses:

	ACC	361	Management Info Systems
	BU	211	Principles of Management
__ 3	BU	321	Business Law I
	BU	331	Human Resource Mgmt
	ECN	472	Applied Econometrics
__ 3	FIN	352	Principles of Investment
	MAT	351	Applied Math I
	MAT	352	Applied Math II

PLUS FOUNDATIONAL COURSE REQUIREMENTS (47)
(3 hours Math satisfied by required major courses.)

Plus electives needed for the 124 hour degree requirement (20)