

CERTIFICATE IN FINANCIAL MATHEMATICS

Fairfield University's certificate program in financial mathematics is designed for financial professionals looking for a command of the mathematics and theory underlying finance and for those with mathematical and quantitative aptitude who want to learn to incorporate an understanding of finance. Participants acquire quantitative and qualitative skills and knowledge important to advancing careers in investment banking, hedge funds, and financial markets, and develop an understanding of the deep mathematics that underlies modern financial thinking and sophisticated financial instruments.

Fairfield's financial mathematics certificate program combines individual attention, a faculty deeply committed to teaching, and a focus on the whole person to meet you where you are and give you the skills you need to meet the analytic challenges you face. These skills include facts, methods, and tools, but also understanding, creative problem solving, and thinking with clarity, precision, and flexibility. Our program is designed with busy professionals in mind and is sufficiently flexible to fit into your schedule. The certificate can be earned as part of the requirements for the MS program or on its own.

Code	Title	Credits
MATH 6550	Classical Financial Mathematics	3
MATH 6578	Math of Financial Derivatives	3
Select two courses from the following:		6
MATH 5401	Introduction to Applied Mathematics	
MATH 6531	Dynamical Systems	
MATH 6532	Partial Differential Equations	
Total Credits		12

Note: Students who have completed the material in one or more of the required courses may substitute more advanced courses in the subject with the permission of the program director.