

# A POST-BACCALAUREATE CERTIFICATE OFFERED WITHIN THE MASTER OF FINANCIAL MATHEMATICS AT THE UNIVERSITY OF MINNESOTA



The Master of Financial Mathematics (MFM) program, begun in 2007, teaches the mathematical tools of quantitative analysis in finance. Starting in 2010-2011, four of its courses will comprise a 12-credit post-baccalaureate certificate entitled "Fundamentals of Quantitative Finance" or "FQF". All four courses can be taken online, and so this certificate can be obtained without needing to travel to Minnesota. Moreover, a good performance in these courses paves the way to a successful application to the MFM program.

The remaining courses in MFM are not offered by distance, but those who enter MFM, after having completed the certificate, will be able to finish the MFM degree in a single year (living in Minnesota), taking a 12 credit load in each of two semesters.

The certificate coursework covers everything from the end of freshman-level calculus to "modern" portfolio theory (à la Markowitz) and the Black-Scholes Option Pricing Formula. These provide a good starting point for more sophisticated models for portfolio risk-management and derivative pricing.

We provide a high-quality educational experience, with special emphasis on presentation and the use of technology to expose sophisticated ideas in a down-to-earth way. Our tuition compares favorably with other similar programs. For application and tuition information please visit our website <http://www.math.umn.edu/finmath/certificate/>. See [www.math.umn.edu/finmath/lectures](http://www.math.umn.edu/finmath/lectures) for our on-line lecture series.

Questions about MFM or FQF? See [www.math.umn.edu/finmath/faq](http://www.math.umn.edu/finmath/faq) or contact [<mfmath@umn.edu>](mailto:mfmath@umn.edu)



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