GRADUATE CERTIFICATE IN FINANCIAL MATHEMATICS

The graduate certificate in financial mathematics, offered through the Columbian College of Arts and Sciences Department of Mathematics, trains students in sophisticated mathematical techniques so they may analyze problems arising from financial economics. Examples include the use of stochastic processes and partial differential equations to study stock markets and to price financial derivatives.

Graduates will be well-positioned to advance careers in public, private, and governmental financial institutions with a heavy emphasis on analytic methods and quantitative skills. This two-year, 12-credit certificate is also ideal for those planning to pursue graduate programs in economics or finance and who wish to supplement their mathematical training.

This is a STEM-designated program.

Visit the program website (https://math.columbian.gwu.edu/financial-mathematics-certificate/) for additional information.

ADMISSIONS

Admission deadlines:	Fall – July 1
	Spring - November 1
Recommendations required:	One (1) recommendation.
Prior academic records:	Transcripts are required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Unofficial transcripts from all colleges and universities attended must be uploaded to your online application. Official transcripts are required only of applicants who are offered admission.
	If transcripts are in a language other than English, English language translations must be provided. The English translation alone should be uploaded into your application.
Statement of purpose:	Not required.
International applicants only:	Please follow this link - https://columbian.gwu.edu/international-graduate-applicants (https://columbian.gwu.edu/international-graduate-applicants/) - to review the International Applicant Information carefully for details on required documents and English language requirements. Please note: international students who require a student visa from GW are not eligible to apply for admission to the program.

Supporting documents not submitted online should be mailed to:

Columbian College of Arts and Sciences, Office of Graduate Studies
The George Washington University
801 22nd Street NW, Phillips Hall 107
Washington DC 20052

For additional information about the admissions process visit the Columbian College of Arts and Sciences Frequently Asked Questions (https://columbian.gwu.edu/graduate-admissions-faq/) page.

Contact:

askccas@gwu.edu
202-994-6210 (phone)

Hours: 9:00 am to 5:00 pm, Monday through Friday

REQUIREMENTS

The following requirements must be fulfilled: 12 credits, including 9 credits in required courses and one 3-credit elective course.

Code	Title	Credits
Required		
MATH 6201	Real Analysis I	
MATH 6441	Introduction to Financial Mathematics	
MATH 6442	Stochastic Calculus Methods in Finance	
One of the following:		
MATH 6202	Real Analysis II	
MATH 6214	Measure and Integration Theory	
MATH 6318	Applied Mathematics I	
MATH 6330	Ordinary Differential Equations	
MATH 6522	Introduction to Numerical Analysis	

Alternate courses may be selected in consultation with the certificate program advisor.