GRADUATE CERTIFICATE IN MATHEMATICS (STEM)

The aim of the graduate certificate in mathematics program is to strengthen the mathematical backgrounds of students so that graduates are well positioned to pursue further study in a variety of quantitative fields. This program is ideal, for instance, for those planning to apply to top graduate programs in economics or finance and who wish they had taken more math during their undergraduate years. It is also ideal for those who want to pursue graduate study in mathematics but do not yet have sufficient background.

Four graduate-level courses make up the program. If it is appropriate academically and fits a student's career goals, the department may approve variations. For instance, in place of one of the standard options, a different course in mathematics or in a related field (e.g., statistics) may be accepted.

The courses that make up this program are part of the regular graduate-level curriculum. As much as possible, the department schedules these courses around the lunch hour or after 5 pm for the convenience of those in the program.

This is a STEM designated program.

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

ADMISSIONS

Article	Requirement
Admission deadlines:	Fall - July 1
	Spring – November 1
Prerequisite requirements:	A bachelor's degree in mathematics with Multi-Variable Calculus and Linear Algebra I or equivalent coursework
Recommendation 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:	Statement of purpose is 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

Code	Title	Credits
Required:		
MATH 6201	Real Analysis I	
MATH 6202	Real Analysis II	
Two of the following:		
MATH 6214	Measure and Integration Theory	
MATH 6215	Introduction to Functional Analysis	
MATH 6318	Applied Mathematics I	
MATH 6319	Applied Mathematics II	
MATH 6810	General Topology	

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