MASTER OF SCIENCE IN THE FIELD OF STATISTICS (STEM)

The master of science in statistics program is ideal for students who are preparing for professional positions or doctoral programs in statistics and other quantitative fields.

Thesis and non-thesis options are available, and students may enroll full-time or part-time. Use of statistical software packages, available in all university computer labs, is required for most courses.

This is a STEM designated program.

Visit the program website (https://statistics.columbian.gwu.edu/graduate/ms-statistics/) for additional information.

ADMISSIONS

Admission deadlines:	Fall - April 1 (February 1 for applicants who wish to be considered for fellowships)
	Spring – October 1
Standardized test scores:	GRE not required.
	The Test of English as a Foreign Language (TOEFL), the academic International English Language Testing System (IELTS), or the PTE Academic is required of all applicants except those who hold a bachelor's, master's, or doctoral degree from a college or university in the United States or from an institution located in a country in which English is the official language, provided English was the language of instruction.
	Minimum scores for the program are:
	-Academic IELTS: an overall band score of 6.0 with no individual score below 5.0; or
	-TOEFL: 550 on paper-based or 80 on Internet-based; or
	- PTE Academic: 53
	- Duolingo: 110
Recommendations required:	Two (2) recommendations
Prerequisite requirements:	Course work in multivariate calculus, matrix theory, and at least two undergraduate statistics courses.
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:	In an essay of 250 – 500 words, state your purpose in undertaking graduate study in your chosen field. Include your academic objectives, research interests, and career plans. Also discuss your related qualifications, including collegiate, professional, and community activities, and any other substantial accomplishments not already mentioned on the application. If you are applying for an assistantship or fellowship, you should also describe any teaching experience you have had.
International applicants only:	Please review International Applicant Information (https://columbian.gwu.edu/international-graduate-applicants (https://columbian.gwu.edu/international-graduate-applicants/)) carefully for details on required documents, earlier deadlines for applicants requiring an I-20 or DS-2019 from GW, and English language requirements.

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

General prerequisite: coursework in multivariate calculus, matrix theory, and at least two undergraduate statistics courses.

The following requirements must be fulfilled:

The general requirements stated under Columbian College of Arts and Sciences, Graduate Programs (https://bulletin.gwu.edu/arts-sciences/#regulationsgraduatetext).

Non-thesis option—30 credits, including 6 credits in required courses and 24 credits in elective courses.

Thesis option—30 credits, including 12 credits in required core courses, which includes 6 credits in thesis, and 18 credits in elective courses. Students must have departmental approval to pursue the thesis option.

Code	Title	Credits
Required core		
STAT 6201	Mathematical Statistics I	
STAT 6202	Mathematical Statistics II	
For the thesis option		
STAT 6999	Thesis Research (taken twice for total of 6 credits)	
Electives		
Non-thesis option: 24 credits in elective courses, at least 18 of which must be in STAT courses.		
Thesis option: 18 credits in elective courses, at least 12 of which must in STAT courses.		
Elective courses outside Statistics can be taken in related fields, such as economics, mathematics, finance, management, computer science, engineering, public health, and data science.		

COMBINED PROGRAM

Combined program

- Dual Master of Science in the field of statistics and Graduate Certificate in the field of data science (https://bulletin.gwu.edu/arts-sciences/statistics/dual-ms-gc-data-science/)