MASTER OF SCIENCE IN THE FIELD OF APPLIED MATHEMATICS

Specific admission requirements are shown on the Graduate Program Finder. (http://www.gwu.edu/all-graduate-programs)

The following requirements must be fulfilled:

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

30 credits in approved course work divided between mathematics and one of the following areas of application: physics, computer science, statistics, operations research, economics, engineering (civil, electrical, mechanical, or systems). At most 12 of the required credits can be outside mathematics. Students must petition and obtain the approval of the graduate committee in order to register for courses outside the department.

Students must petition and obtain the approval of the graduate committee in order to register for MATH 6995, Reading and Research.

Subject to the approval of the graduate committee (requested via petition) and the agreement of the instructor, mathematics graduate students may take the following undergraduate courses for graduate credit: MATH 3710, MATH 3720, MATH 3730, MATH 3740, MATH 3613, MATH 3632, MATH 4239, MATH 4240, MATH 3848 and MATH 4981. Graduate students in such courses must be assigned appropriate additional work to bring the courses up to the graduate level. These courses may comprise up to 6 of the required credits.

Up to one-quarter of the work toward a Master’s degree may be via courses offered by other institutions in the Consortium of Universities of the Washington Metropolitan Area. Students wishing to take such courses must petition and obtain the approval of the graduate committee.

Course work is divided between graduate mathematics courses and up to 12 credits of approved graduate courses from one area of application selected from physics, statistics, computer science, economics, or civil, electrical, mechanical, or systems engineering. Up to 6 of the required credits may be satisfied through approved upper-level undergraduate courses. For a detailed description of the program, see the Department of Mathematics Graduate Academic Programs (http://departments.columbian.gwu.edu/math/graduate).