MASTER OF SCIENCE IN THE
FIELD OF APPLIED MATHEMATICS

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/
#Graduate_Degree_Requirement).

30 credits in approved courses divided between mathematics
and one of the following areas of application: physics,
computer science, statistics, operations research, economics,
engineering (civil, electrical, mechanical, or systems). No more
than 12 credits may be in non-MATH courses. Students must
petition and obtain the approval of the graduate committee in
order to register for courses outside the department.

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 Introduction to
Mathematical Logic, MATH 3720 Axiomatic Set Theory,
MATH 3730 Computability Theory, MATH 3740 Computational
Complexity, MATH 3613 Introduction to Combinatorics,
MATH 3632 Introduction to Graph Theory, MATH 4239
Real Analysis I, MATH 4240 Real Analysis II, MATH 3848
Differential Geometry, and MATH 4981 Seminar: Topics in
Mathematics. Graduate students in such courses must be
assigned appropriate additional work to bring the courses up
to the graduate level. No more than 6 credits may be satisfied
through approved upper-level undergraduate courses.

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

Up to one-quarter of the work required for the degree may
be taken via courses offered by other institutions in the
Consortium of Universities of the Washington Metropolitan
Area. (https://registrar.gwu.edu/consortium/) Students wishing
to take such courses must petition and obtain the approval of
the graduate committee.