MASTER OF SCIENCE IN THE FIELD OF CHEMISTRY

REQUIREMENTS

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/#degeregulationstext).

Thesis option—30 credits of approved courses are required, including CHEM 6998 Thesis Research—CHEM 6999 Thesis Research, which may be in analytical, inorganic, organic, or physical chemistry.

Nonthesis option—36 credits of approved courses are required, including CHEM 6395 Research. Up to 9 credits in other departments related to the student’s area of interest (e.g., Forensic Sciences) may be included in the program, subject to the approval of the Department of Chemistry. Students who are or will be employed in organizations dealing with science and technology policy programs may select from specified courses offered by Information Systems and Technology Management, Political Science, Public Policy and Public Administration, and the Elliott School of International Affairs.

Coursework must include a minimum of five graduate-level courses; at least four of these courses must be core courses as defined in the department’s Guide for Graduate Students; at least three must be offered by the Department of Chemistry. At least two graduate-level courses must be taken outside of the student’s subdiscipline and in at least two other subdisciplines/disciplines. Candidates are required to pass a master’s comprehensive examination as described in the department’s Guide for Graduate Students.

Note: All entering students in graduate chemistry programs are required to take the American Chemical Society graduate level placement examinations, given by the Department of Chemistry, prior to matriculation. The four placement examinations (in the disciplines of analytical, organic, inorganic, and physical chemistry) are designed to cover the subject matter in the disciplines generally taught in undergraduate programs preparatory for graduate work in chemistry, and the results are used by the department to advise the individual student in planning a program of courses appropriate to the student’s background. All graduate students are required to participate in the seminar and colloquium programs. Upon consultation with course instructors, specific course prerequisites may be waived.

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