

MASTER OF FORENSIC SCIENCES IN THE FIELD OF FORENSIC MOLECULAR BIOLOGY (STEM)

As part of the Columbian College of Arts and Sciences' natural, mathematical, and biomedical sciences programs, the forensic sciences program provides an understanding of the integration of forensic disciplines with the investigation of criminal activity, along with an overview of the analytical methods, procedures, equipment, and data used by forensic specialists. Coursework emphasizes the identification and analysis of evidence as well as the interpretation and reporting of the results.

The molecular biology program prepares students to work in crime laboratories as DNA analysts and technical leaders. Students learn chemical, physical, immunological, and microscopic methods using state-of-the-art lab facilities, and the theoretical and practical aspects of advanced methods, such as DNA extraction and data interpretation. The program is particularly strong in population genetics and human genetic variation.

This is a STEM designated program.

Visit the program website (<https://forensicsciences.columbian.gwu.edu/mfs-forensic-molecular-biology/>) for additional information.

ADMISSIONS

Visit the Columbian College of Arts and Sciences website for application requirements (<https://columbian.gwu.edu/application-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 for questions:

askccas@gwu.edu
202-994-6210 (phone)
Hours: 9:00 am to 5:00 pm, Monday through Friday

REQUIREMENTS

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>).

37 credits, including 31 credits in required courses and 6 credits in elective courses. In addition, successful completion of a master's comprehensive examination and an independent study project are required.

Code	Title	Credits
Required		
FORS 6001	Research and Professional Responsibility	
FORS 6004	Fundamentals of Forensic Science I	
FORS 6005	Fundamentals of Forensic Science II	
FORS 6201	Forensic Biology	
FORS 6224	Criminal Law for Forensic Scientists	
FORS 6225	Statistics for Forensic Scientists	
FORS 6241	Forensic Molecular Biology I	
FORS 6242	Forensic Molecular Biology II	
FORS 6243	Forensic Molecular Biology III	
FORS 6247	Population Genetics	
FORS 6292	Graduate Seminar	
Electives		
6 credits in elective courses selected in consultation with the advisor		
Additional requirements		
Successful completion of a master's comprehensive examination.		
Successful completion of an independent research project.		