MASTER OF FORENSIC SCIENCES
IN THE FIELD OF FORENSIC CHEMISTRY

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.

Forensic chemistry teaches students to be lab analysts in drug chemistry and trace evidence analysis to include analysis of hairs and fibers, glass and soil, ignitable liquids and explosive residues. With five full-time faculty members, GW now boasts the world’s largest group of forensic chemists located at a university. The department has also acquired mass spectrometers and a new laboratory to support chemistry and toxicology.

This is a STEM-designated degree program.

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

ADMISSIONS

Admission deadlines: Fall – April 1 (February 1 for applicants applying for assistantships/fellowships)

Standardized test scores: GRE general test (institutional code 5246) required; waived for applicants who hold a J.D., M.D., or Ph.D.

- 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

Recommendations: Two (2) recommendations required:

Prerequisite: An undergraduate degree from an accredited college or university, with a major in chemistry or equivalent.

For more information on the admission process, please visit the Columbian College of Arts and Sciences Frequently Asked Questions (http://columbian.gwu.edu/graduate/admissions/faqs/) page.

Supporting documents not submitted online should be mailed to:
Columbian College of Arts and Sciences - Graduate Admissions Office
The George Washington University
801 22nd Street NW, Phillips Hall 215
Washington DC 20052

Contact for questions: askcas@gwu.edu ~ 202-994-6210 (phone) ~ 202-994-6213 (fax)
8:30 am - 5:30 pm, Monday through Friday

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/#degreeregulationstext).

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORS 6004</td>
<td>Fundamentals of Forensic Science I</td>
<td></td>
</tr>
<tr>
<td>FORS 6005</td>
<td>Fundamentals of Forensic Science II</td>
<td></td>
</tr>
<tr>
<td>FORS 6020</td>
<td>Ethics, Professional Responsibility, and Quality Assurance</td>
<td></td>
</tr>
<tr>
<td>FORS 6206</td>
<td>Trace Evidence Analysis</td>
<td></td>
</tr>
<tr>
<td>FORS 6210</td>
<td>Advanced Instrumental Analysis</td>
<td></td>
</tr>
<tr>
<td>FORS 6224</td>
<td>Criminal Law for Forensic Scientists</td>
<td></td>
</tr>
<tr>
<td>FORS 6225</td>
<td>Statistics for Forensic Scientists</td>
<td></td>
</tr>
<tr>
<td>FORS 6238</td>
<td>Forensic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>FORS 6239</td>
<td>Forensic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>FORS 6240</td>
<td>Forensic Drug Analysis</td>
<td></td>
</tr>
<tr>
<td>FORS 6292</td>
<td>Graduate Seminar (taken twice) *</td>
<td></td>
</tr>
</tbody>
</table>

**Electives**

6 credits in elective courses selected in consultation with the departmental advisor.

**Additional requirements**

Successful completion of the master’s comprehensive examination.

Successful completion of an independent research project.

*Students must register for FORS 6292 in their first semester and again during or after completion of the required independent research project.

Program correction 9/6/19: FORS 6234 and FORS 6235 removed from the required curriculum and replaced with 6 elective credits.