

<b>Record of Student and Program Performance:</b>	<b>2024-25</b>	<b>2023-24</b>	<b>2022-23</b>
# of FT Students	176	149	139
# in DNA Track	78	unk	unk
# in Trace Evidence/Drug Analysis Track	41	unk	unk
# in General Forensic Science Track	31	unk	unk
# of Graduates	15	20	20
# of Graduates with job offers	4	5	6
# of Graduates admitted into advanced degree program	6	6	8
# of Graduates unreachable or did not respond	5	9	6

#### **Forensic Chemistry Research/Capstone Topics:**

2022-2023:

- GCMS analysis of feces
- SERS Raman enhancement of GSR analytes
- Analysis of air pollutants

2023-2024:

- Quantification of smokeless powder analytes using GCMS
- DNA recovery of burned human remains
- Analysis of variation of DNA Methylation between smokers, E-cigarette users, occasional users and non-users employing PCR-HRM
- Analysis of disinfection byproducts in US drinking water by GCMS
- Carrier effects on compounds
- UV-Vis quantification of smokeless powder analytes
- (Capstone) Quantitative study of data sharing by authors in scientific journals

2024-2025

- Analysis of Smokeless Powder using UV-visible spectroscopy with a focus on nitrated derivatives of DPA
- Analysis of smokeless powder using IR spectroscopy with a focus on nitrated derivatives of DPA
- Comparative analysis of brown beverage stains using ATR-FTIR
- Comparative analysis of brown beverage stains using UV-visible spectroscopy
- Analyzing and Tabulating Wrongful Convictions Exonerates by DNA (range of years 2019-2023)
- Identification Techniques of Mass Casualty Victims from Man-Made and Natural Disasters

**Forensic Chemistry Internship Sites:**

2022-2023:

- Maryland State Police Division of Forensic Science
- Baltimore City Division of Forensic Science

2023-2024:

- Baltimore County Division of Forensic Science
- Baltimore City Division of Forensic Science
- New Jersey State Police Crime Lab
- Maryland State Police Division of Forensic Science

2024-2025:

Baltimore County Division of Forensic Science