



Master of Science in Forensic Science

STUDY IN NEW YORK CITY

**JOHN
JAY** COLLEGE
OF
CRIMINAL
JUSTICE

Forensic scientists gather, analyze, document, and present evidence to the courts pertaining to a broad spectrum of crimes.

However, nowhere is their responsibility more profound than in the case of murder. A homicide scene holds many secrets; even the most fleeting contact leaves a forensic trace. Forensic scientists must use their skills to uncover these secrets and to speak for the dead while obtaining justice.

John Jay College of Criminal Justice is dedicated to producing gifted and highly competent forensic scientists who are morally committed to maintaining both the scientific and legal integrity of the physical evidence with which they work.

One of the oldest and most prestigious Forensic Science MS programs in the world—an exceptional study opportunity

John Jay College of Criminal Justice boasts one of the oldest and most prestigious Forensic Science master's degree programs in the world. Established in 1968, and home to some of the foremost authorities in the field of Forensic Science, this internationally renowned program is designed to provide graduate-level education to individuals wishing to become scientists, administrators, laboratory directors, educators, and professionals within a wide range of forensic science sub-specialties. By virtue of its extraordinary

reputation, the program also attracts highly accomplished professionals who are already employed in crime labs, medical examiners' offices, and in related areas such as public safety and arson investigation—making for an exciting and extremely fertile environment in which to learn.

Students choose one of the following specialties: criminalistics, forensic toxicology, or molecular biology. Our curriculum draws from multiple areas of the physical and natural sciences, including biology and molecular biology; organic, physical and analytical chemistry; physics; and analytical methods such as microscopy and instrumental analysis. The program additionally addresses current issues and trends in the field and includes courses on law and legal issues, ethics, and mathematical statistics for forensic scientists.



An MS in Forensic Science from John Jay College opens doors.

Our graduates are recruited by prestigious crime and forensic labs, state and federal agencies like the FBI and the DEA, medical examiners' offices, academic research centers, and private sector employers. They become highly sought-after forensic scientists in many subdisciplines such as criminalistics, hair and fiber evidence, ballistics, latent prints, arson, toxicology, drug chemistry, serology and forensic DNA, among many other career choices. Program graduates also use their degree as a springboard to gain entry into top universities, where they enroll in doctoral programs or teach.

This outstanding program enables students to take full advantage of John Jay College's location in New York City, which is home to many outstanding research facilities, including two of the best crime labs in the country. Faculty members have professional contacts at the NYPD police laboratory crime labs, the NYC Office of the Chief Medical Examiner, the NYC division of the DEA (Drug Enforcement Administration), and at many of the academic, private, and public research institutions, including the city's botanical gardens and museums. Thus, students enrolled in John Jay College's MS program in forensic science are afforded countless opportunities for extraordinary hands-on experience.

A once-in-a-lifetime chance to train with some of the leading scientists in the field

Our program brings together some of the most highly lauded and internationally recognized experts in Forensic Science. A number of them are highly decorated professionals with decades of experience under their belts. The faculty counts among its members recipients of the highest honors in the field, including the Presidential Award for Excellence in Science Mentoring presented by President Obama. Faculty members have consulted in some of the top crime labs in the world; have been called upon many times over to provide expert testimony; have taught courses and workshops at some of the most elite state and federal agencies, universities, and scientific societies in the world; have published pioneering research in their respective fields; and have been awarded patents for highly sophisticated research instrumentation that they have developed. All of these professionals share a commitment to academic excellence and a talent for conveying the wealth of their knowledge to their students.

Access to world-class research laboratories

The Department of Sciences at John Jay College maintains world-class research facilities for each of the Forensic Science specialties. Our new \$700 million building contains modern, state-of-the-art research laboratories for faculty, spacious classrooms and new teaching labs for toxicology, molecular biology and physical-evidence analysis used in forensic investigations. In addition, the College offers a crime scene investigation lab and a ballistics research lab equipped with a bullet-recovery water tank. John Jay College faculty specializes in cutting-edge forensic research, with a range of projects from elemental trace analysis to statistical treatment of pattern evidence or epigenetics in forensic DNA analysis.

An extraordinary opportunity for exposure to and mastery of professional-caliber research instruments

Students enrolled in John Jay College's MS program in forensic science have at their disposal the most advanced instruments available. They can take advantage of the department's NMR (Nuclear Magnetic Resonance) and its FTIR (Fourier Transform Infrared Spectroscopy) to explore the chemical composition of substances. They can utilize DNA extraction robots and the latest DNA genotyping and massive parallel sequencing platforms. The College also offers a number of highly specialized microscopes for firearms/toolmarks/materials identification, an electrostatic detection apparatus to detect writing indentations in paper, and a VSC-6000 Spectral Analyser to analyze ink and detect forgeries. These state-of-the-art instruments represent but a few of the many that are available to students enrolled in John Jay College's MS program in Forensic Science.

Contact Us

No program of this scope can be captured in one brochure. Visit www.jjay.cuny.edu/academics/692.php to learn about the program, its courses, requirements and more.

To schedule a meeting and visit our campus, please contact:

Office of Admissions at 212.237.8863 or **Mechthild Prinz, PhD, Director of MS FOS program**, at 212.621.3751.

With John Jay's MA program in Forensic Science, you will make a world of difference.
Come explore the possibilities.



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