



Bachelor of Science in Forensic Science Degree Program



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Department of Chemistry and Environmental Sciences
College of Science and Liberal Arts

WHY STUDY FORENSIC SCIENCE AT NJIT?

NJIT has been educating technical professionals for over 125 years. Located in Newark, New Jersey, NJIT is strategically situated with proximity to numerous forensic laboratories and investigatory sites, including the State Toxicology Laboratory, the Office of Forensic Science North Regional Laboratory, and the FDA's Office of Regulatory Affairs. With a curriculum designed to satisfy the undergraduate standards of the Forensic Science (FEPAC), NJIT's program in forensic science will be the state's only accredited program in the field and one of the few in the region. The program also requires students to complete an internship, which provides experiential learning as well as professional development.

ABOUT THE COLLEGE OF SCIENCE AND LIBERAL ARTS

The College of Science and Liberal Arts (CSLA) is dedicated to instruction in the physical, biological, and mathematical sciences as well as traditional liberal arts disciplines. CSLA is home to internationally renowned research centers and award winning researchers, and partners with departments throughout NJIT to explore emerging frontiers and expand interdisciplinary initiatives in a diverse range of areas that include genomics, neuroscience, ecology, biomechanics, solar physics, photonics, environmental science, applied mathematics and statistics, materials science, technical communication, and digital media.

FORENSIC FACTS

In 2015, the Bureau of Labor Statistics (BLS) projected a 27% 10-year job growth rate for forensic science professionals (compared with a 7% growth rate for all occupations during the same time period).¹

Students graduating with a degree in Forensic Science are well prepared to begin work in a local, state, or federal crime or investigative laboratory; graduates are also well positioned to pursue careers in other fields, including the pharmaceutical, biotechnology, chemistry, environmental, homeland security, and regulatory agencies or pursue graduate degrees in STEM, medicine, dentistry, or law.

PROGRAM OVERVIEW

Forensic science is the application of sciences to matters of law. The Bachelor of Science in Forensic Science provides students with a foundation in mathematics and the natural sciences as well as a mastery in forensic science field methods, analytical skills, and laboratory procedures. Furthermore, a forensic science internship or co-op is required, so students can apply theory in real-world settings.

MASTER THE BASICS

The program in Forensic Science requires foundational coursework in biology, chemistry, physics, and mathematics. In addition, students complete the program's Forensic Science Core, which is designed to equip students with a background in forensic science core concepts, evidence collection, technical analysis, data interpretation, and professional regulatory practices.

HONE YOUR EXPERTISE

In addition to the Forensic Science Core, the program in Forensic Science offers two tracks from which students may choose: (1) the Forensic Biochemistry Track (120 credit hours); and (2) the Forensic Chemistry Track (120 credit hours). Each track contains advanced coursework in analytical chemistry in addition to further specialized courses in either biochemistry or chemistry.

CURRICULUM

In addition to the areas identified below, coursework in the Forensic Science program includes:

Biology Core (8 credit hours)
Chemistry Core (16 credit hours)
Mathematics Core (6-7 credit hours)
Physics Core (8 Credit hours)
General Education Requirements (24 credit hours)

FORENSIC SCIENCE CORE

FRSC 201: Introduction to Forensic Science
FRSC 307: Crime Scene Investigation & Lab
HIST 320: Law & Evidence
FRSC 359: Physical Methods of Forensic Analysis
FRSC 475: Forensic Chemistry
FRSC 480: Forensic Microscopy
FRSC 49x: Forensic Science Capstone

ADVANCED CHEMISTRY COURSES

CHEM 221: Analytical Chemical Methods
CHEM 222: Analytical Chemistry
CHEM 473: Biochemistry
CHEM 475: Biochemistry Lab I
CHEM 480: Instrumental Analysis

FORENSIC BIOCHEMISTRY TRACK

Complete 20 credit hours, including:
CHEM 474: Biochemistry II
BIOL 352: Genetics
R120.355: Cell Biology
R120.455: Molecular Cell Biology

FORENSIC CHEMISTRY TRACK

Complete 20 credit hours, including:
CHEM 231: Physical Chemistry I
CHEM 235: Physical Chemistry II
EVSC 416: Environmental Toxicology
EVSC 484: Environmental Analysis

¹ BLS. (2015). *Occupational outlook handbook: Forensic science technicians.*

FOR FURTHER INFORMATION CONTACT:

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TO APPLY CONTACT

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