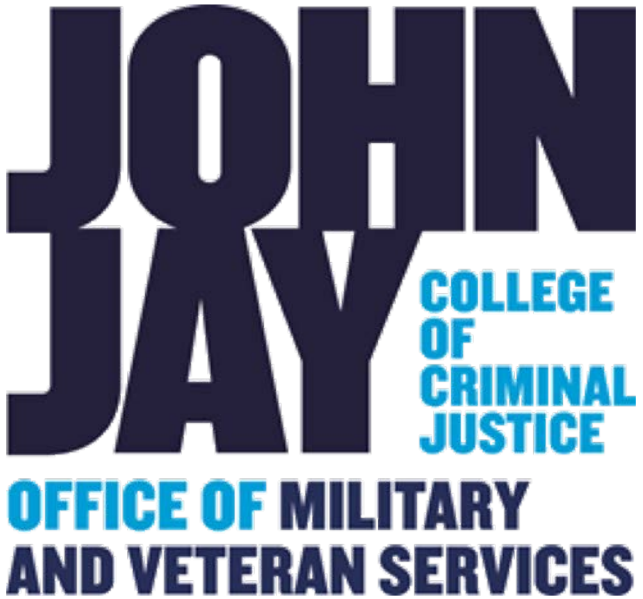
Undergraduate STEM (Science) Majors

for Veteran, Military and other interested students



JOHN JAY COLLEGE OF CRIMINAL JUSTICE
OFFICE OF MILITARY AND VETERAN SERVICES

STEM Science Majors

(Forensic Science, Toxicology, Cell and Molecular Biology)

John Jay's 3-Science STEM majors may meet the undergraduate requirements for admission to graduate professional programs in Medicine, Veterinary Science, Dentistry, and similar fields. For pre-professional health science advisement, contact Edgardo Sanabria-Valentin, John Jay's Pre-Professional Advisor at:
esanabriavalentin@jjay.cuny.edu

FORENSIC SCIENCE (BS)

The Forensic Science (FOS) major provides students with a strong science foundation, primarily consisting of chemistry, biology, and physics. Students will also learn law, as this major in the real world helps solve criminal cases. Students will have the option to choose one of the following 3 paths to specialize in: Criminalistics, Toxicology, or Molecular Biology. Each path will have specific courses to ensure that the student's final courses are concentrated in that field

(FOS) Career Options:

- Crime Scene Investigator
- DNA Analyst
- Forensic Investigator
- Forensic Medical Examiner
- Forensic Pathologist
- Forensic Technician

TOXICOLOGY (BS)

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The Toxicology (TOX) major provides students with a strong general toxicology foundation, as well as a well-rounded science foundation. Students will gain both theory and hands on experience to prepare them for their soon-to-be careers. This major provides a variety of in-depth Toxicology courses such as, Clinical Toxicology, Public Health, Forensic Toxicology, Environmental Toxicology, and Cellular and Molecular Toxicology, so that students can get as much exposure as possible to the field

(TOX) Career Options:

- Clinical Lab Scientist
- Medical Scientist
- Biological Scientist
- Environmental Toxicologist
- Public Health Toxicologist
- Medical Toxicologist

CELL AND MOLECULAR BIOLOGY (BS)

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The Cell and Molecular Biology (CMB) degree provides students with an in-depth education on the inner workings of molecular biology in cells. Students also receive a well-rounded foundation in the underlying chemistry that's involved in this major. This major will prepare students for their future careers as well as open doors for them to advance their education, such as getting into PhD programs for related professional career fields

(CMB) Career Options:

- Biomedical Engineer
- Epidemiologist
- Pharmaceutical Researcher
- Chemical Laboratory Technician
- Materials Scientist
- Clinical Research Specialist

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PROGRAM REQUIREMENTS FOR STEM SCIENCE MAJORS:

In-State Freshmen:

- 3.5 units of High School Math
- 4 units of High School Science
- High School academic average: 81% or higher
- Have taken High School Chemistry Regents Exam or High School Chemistry course

Out of State Freshmen:

- 3 years of High School Math
- 3 years of High School Science
- High School academic average = 81% or higher
- Have taken a High School Chemistry course

PROGRAM REQUIREMENTS FOR STEM SCIENCE MAJORS: CONTINUED:

Ongoing Students:

If you would like to switch your current major to one of the 3 STEM Science majors, please contact the designated major advisor to know the likelihood of having your request approved, as well to discuss what is needed academically to give you a strong start for this major.

Transfer Students:

Must have completed the following science courses at another college (GPA = 2.5 or higher):

- Physics
- Biology
- Chemistry
- College Algebra OR Calculus

If you do not meet these requirements, please contact the designated major advisor to learn what your options are.

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Points of Contact:

- ***Forensic Science Advisor:*** **Dr. Sandra Swenson (sswenson@jjay.cuny.edu)**
- ***Toxicology Advisor:*** **Dr. Shu-Yuan Cheng (shcheng@jjay.cuny.edu)**
- ***Cell and Molecular Biology Advisor:*** **Dr. Jason Rauceo (jrauceo@jjay.cuny.edu)**
- ***Health Science Advisor:*** **Edgardo Sanabria-Valentin (esanabriavalentin@jjay.cuny.edu)**