FBI STEAM Professionals: An Inside Look

At the Federal Bureau of Investigation (FBI), our mission-driven work is ever evolving to meet challenges imposed by rapid advancements in technology, increasingly sophisticated cyber criminals and constant security threats against the nation's infrastructure.

Combatting these threats takes adaptability, critical thinking, problem solving, creativity and innovation — that's why professionals with a Science, Technology, Engineering and Mathematics (STEM) background, in conjunction with Arts and Communications professionals, make up the FBI's STEAM team.

Across the Entire Agency

Think of it like the FBI dream team. Science is a key component of investigations, technology is essential to forensic teams, engineering develops tools that support investigations and mathematics help uncover complex financial fraud schemes. Combining those technical assets with creativity and advanced communication skills results in innovative, practical ways for the FBI to manage high-tech threats. This is how the FBI's diversified workforce collaborates to accomplish its mission.

STEAM professionals are not required to take the FBI Physical Fitness Test (PFT). However, some positions may have medical and hearing requirements.

Our talented employees manage massive amounts of data; develop high-tech tools and techniques to solve crimes and prevent terrorist acts; supply a broad array of scientific services; and interact with law enforcement and intelligence communities. They are:

- Biologists
- Chemists
- Cryptologists/Cryptanalysts
- Data Communications Systems Analysts
- Document Analysts
- Electronics Engineers
- Forensic Scientists
- Electronic Surveillance/ Operations Technicians
- Mathematicians
- Mechanical Engineers
- Photographic Technologists
- Physical Scientists
- Public Affairs Specialists
- Visual Presentation Specialists
- Writers

Multiple Careers — Challenging Work

FBI STEAM professionals tackle unique challenges rarely seen in civilian careers. Their work is spread across the entire agency with positions that include, but are not limited to:

Scientist (Biologist/Chemist/ Forensic) Serve as a discipline specialist using a variety of scientific equipment to identify and analyze evidentiary material; evaluate standards and methods to determine deficiencies for improvement; and prepare oral and written reports for the scientific and law enforcement communities.

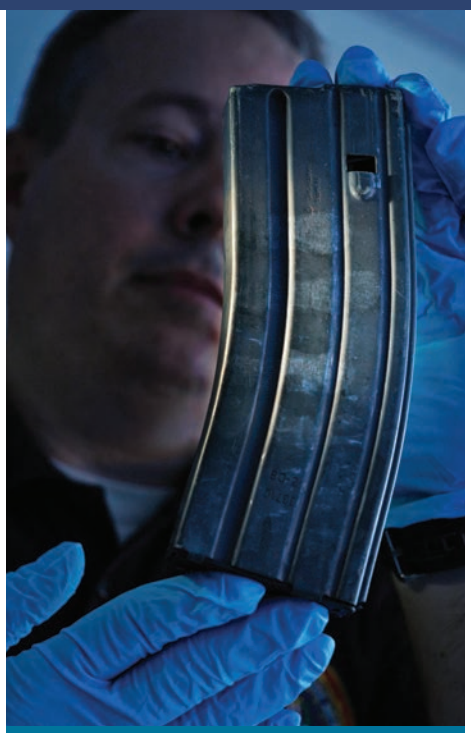
Mathematician Develop formulas and applications using mathematical disciplines to provide a framework for solving unique FBI administrative, investigative and decision-support requirements; and serve as a liaison with external organizations and academia to ensure FBI capabilities align with methodological advances.

Writer Research source material using varied methods to generate written products, which may include: articles for publication, press releases, reports, talking points and speeches, newsletters, pamphlets and brochures, training video scripts and letters to private-sector and other law enforcement entities.

Engineer (Electronic/Mechanical) Perform engineering analysis of large projects in the area of specialty; test, evaluate and validate existing technologies with documented recommendations; and maintain contact with the engineering industry to remain current with advancements.

Public Affairs Specialist Plan and coordinate the dissemination of information relating to the FBI's programs, objectives and functions through the media, special interest groups, employees and other agencies; and communicate orally and in writing on sensitive topics, national issues and current events.

Document Analyst Serve as principal examiner to handle a variety of document cases such as anonymous letters or fraudulent checks; evaluate and obtain specialized equipment from public and private sources; and process all aspects of various administrative procedures to ensure appropriate document handling.



OUR *core* VALUES:

Rigorous Obedience to the Constitution

Respect

Compassion

Fairness

Integrity

Accountability

Leadership

Diversity

Becoming an FBI STEAM Professional Takes Dedication

The role of an FBI STEAM professional is a demanding and rewarding job and requires stringent entry qualifications. Those who complete the process become part of an elite team that assists to preserve national security.

Minimum Qualifications You must:

- Be a U.S. citizen.
- Be able to obtain a Top-Secret Clearance.
- Possess a valid driver's license.
- Meet all educational requirements.

Automatic Disqualifiers

- Non-U.S. citizenship.
- Conviction of a felony.
- Violation of the FBI Employment Drug Policy.
- Default on a student loan insured by the U.S. government.
- Failure of an FBI-administered drug test.
- Failure to register with the Selective Service System (males only).
- Knowingly or willfully engaged in acts or activities designed to overthrow the U.S. government by force.
- Failure to pay court-ordered child support.
- Failure to file income tax returns.

Applicant Process

If you're inspired by our mission, here's what you need to know about the application process for STEAM Professionals:

STEP 1 — INFORM & APPLY

Visit **FBIJobs.gov** to view careers and open positions.

STEP 2 — INTERVIEW & SELECTION

The hiring process varies depending on the job and can take a year or more.

STEP 3 — CONDITIONAL JOB OFFER & BACKGROUND INVESTIGATION

Once accepted, you will undergo an intensive background investigation including:

- Polygraph examination.
- Drug test.
- Credit and records checks.
- Interviews with former and current colleagues, neighbors, friends, etc.

STEP 4 — FINAL JOB OFFER & ONBOARDING

Once accepted, all employees attend the FBI Academy in Quantico, VA, for a short new employee introduction course. Employees may remain at Quantico for job-related training.

The FBI is an equal opportunity employer.