

forensic science technician

What is a forensic science technician

- Collect, analyze, and identify evidence at crime scene
- tests on weapons or substances to determine relation to crime scene
- determine what was happening during crime or who committed crime
- specialize in ballistics, fingerprinting, handwriting, and biochemistry



Important knowledge areas

- public safety and security
- English language
- Chemistry
- Computers and electronics



Important Skills

- Reading comprehension – being used by reading sentences of work related documents
- Active listening – being used by paying attention to what others are saying to use them as a resource later on
- Writing – being used by communicating through their writing, maybe for when you need contact with someone that can't necessarily be reached with in person
- Speaking – talking to others to receive better information
- Critical thinking – using logic to help solve the problems that've been made



Abilities

- inductive reasoning – used by being able to come to a conclusion during or after an investigation
- Flexibility of closure – used by being able to stay focused on one case or on one specific piece of evidence from the scene
- Oral comprehension – used by listening to what others are saying during an investigation to later be able to solve the case
- Written comprehension – being able to understand the reading of the cases and also being able to process what it's trying to say
- Deductive reasoning – being able to have a logical answer to the case and being able to solve it logically



Most Common Work Activities

- getting information – receiving, observing, and obtaining information from others
- Monitor processes, materials, or surroundings – reviewing the information that was given to assess the problem
- Identifying objects, actions, and events – categorizing, estimating, and being able to tell the difference between something normal and then something unusual about a situation
- Inspecting equipment, structures, or material – identifying the causes of problems using the given information
- Judging qualities of things, services, or people – assessing the qualities and importance to things and people



Typical tasks

- keeping records and preparing reports detailing findings, investigate methods, and laboratory techniques
- Work laboratory equipment and apparatus
- Collect evidence from crime scenes
- Determine relationship of evidence to crime scene
- Identify fingerprints
- Analyze gunshots and bullet patches



Education

Majors :

- Forensic chemistry
- Forensic science and technology

Bachelor's degree is needed to enter the field



Knowledge that is needed

Law and Government – knowing the laws, legal codes, government regulations, and agency rules

Public Safety and Security : knowledge of equipment, policies, procedures,

English Language – knowing the correct spelling, grammar, and rules of the english language for using the evidence

Chemistry – used for knowing if someone got poisoned and also for the danger signs

Average salary : \$61,220

Median hourly salary : \$29.18/hour

Total employed nationally : 14,800

Job outlook : 14% higher from 2018-2028



Resources

Made by Veronica Pruitt, Ian Wilson, Mallory Ortega, Tyler Champion, Landon Faubion, Justin Overton, Gabriel Meyers (virtual: Logan Gruben, and Bennet Stedman) – 214C Drumoo

“Top 30 STEM Jobs.” *Best College Reviews*, 19 Oct. 2020, www.bestcollegereviews.org/features/top-30-stem-jobs/.

Naviance. *Naviance Student*, student.naviance.com/careers/view/197/overview.

King, Lonnie. “Forensic Science.” *Landing Pages*, 21 Aug. 2020, www.educationconnection.com/landingpages/forensic-science-program?trackid=ef1df5f9-8a36-47c5-94fa-56d1643f6855.

MyMajors.com. “Forensic Science Technician Career.” *Forensic Science Technician Skills and Knowledge*, www.mymajors.com/career/forensic-science-technicians/skills/.