

# Bertino forensic science fundamentals and investigations powerpoint

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**What are the 3 main disciplines in forensic science?** Most crime laboratories employ scientists in the areas of forensic chemistry (drugs, toxicology, trace evidence, explosives, fires, etc.), forensic biology (mainly DNA and body fluids and tissues), and criminalistics (fingerprints, questioned documents, firearms, and toolmarks).

**Are there any controversies about forensic science?** Most of trace evidence analysis remains controversial due to difficulties with validation. Bite mark analysis, but many other topics, too. Fingerprint analysis is coming under fire now, too. If you want a really good overview of what is and isn't good in Forensics, check out the Innocence Files on Netflix.

**What is included in forensic science?** Common forensic science laboratory disciplines include forensic molecular biology (DNA), forensic chemistry, trace evidence examination (hairs and fibers, paints and polymers, glass, soil, etc.), latent fingerprint examination, firearms and toolmarks examination, handwriting analysis, fire and explosives examinations, ...

**What is forensic science in CSI?** Crime Scene Investigation (CSI) is a field of forensics that involves the examination and analysis of physical evidence collected from a crime scene. CSI professionals gather, process, and analyze evidence such as DNA, fingerprints, and fibers to help law enforcement solve crimes.

**What is the highest degree in forensic science?** Earning a PhD is an option for forensic science professionals who wish to seek promotion to advanced leadership positions, teach at the college level, or go into research. A doctorate degree in

forensic science can typically be completed through four to five years of study.

### **What are the 3 main skills all forensic scientists must possess?**

**What is the hardest part of forensic science?** Challenges in forensic science One of the most significant issues is the potential for human error in the analysis and interpretation of evidence. Bias, inadequate training, and the pressure to produce results can all impact the accuracy of forensic analyses.

**What can a forensic scientist not do?** Forensic Scientists do not attend crime scenes (except for firearms examiners, who are often also police officers do attend scenes as do members of the lab who analyze explosives and clandestine labs) but receive the evidence from the Ident officers and then analyze the evidence and submit a report giving their opinion ...

**What is the weakness of forensic science?** One potential con of the position is the work environment . Those who work in the field might have to work outside in inclement weather or adverse conditions. In the laboratory, scientists may spend long hours over microscopes or sorting samples, working to catalog evidence.

**What is the difference between forensic science and forensic investigation?** Unlike crime scene investigators, forensic scientists do not visit the crime scene. Instead, they work in a lab environment, examining and analyzing evidence provided by investigators to help law enforcement agencies pursue justice.

**Who is the father of forensic science?** Edmond Locard (13 December 1877 – 4 May 1966) was a French criminologist, the pioneer in forensic science who became known as the "Sherlock Holmes of France". He formulated the basic principle of forensic science: "Every contact leaves a trace". This became known as Locard's exchange principle.

**Is forensic science a lot of math?** However, for degree paths like forensics science, math requirements will be higher. Daily work involves chemistry and even ballistics calculations, depending on the job that a person has. Because of these job requirements, forensic science curriculums usually include algebra, physics, and even calculus.

### **What are the 7 steps of investigation?**

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**What type of container should not be used to package blood evidence?** If not completely dry, label and roll in paper or place in a brown paper bag or box and seal and label container. Place only one item in each container. Do not use plastic containers.

**Is the FBI a forensic science?** The FBI Laboratory offers assistance with forensics to law enforcement partners. The resources on this page are for law enforcement. For general information about the FBI Laboratory, visit the FBI's Science and Technology page.

**What is the highest paid job in forensic science?**

**Do forensic scientists make a lot of money?** Forensic medical scientists have an average salary of \$82,240, while forensic nurses earn around \$71,000. Entry-level forensic science jobs tend to pay less, but those with significant experience earn around \$100,000 a year.

**What is the highest salary for a forensic scientist?**

**What are 3 rules for forensics?**

**What is the most important tool in forensic science?** DNA Sequencer Most forensic scientists and crime lab technicians use DNA profiling to identify criminals and victims using trace evidence like hair or skin samples.

**Is forensic science hard?** Becoming a forensic scientist can be challenging. Forensic scientists need a bachelor's degree and specialized training in areas like DNA analysis, toxicology and fingerprint analysis. Strong analytical and problem-solving skills help prospective forensic scientists succeed in this field.

**What are the 3 main functions of forensic science?**

**What are the three types of forensic science?** The specialty areas are as follows: Forensic Biology. Drug Chemistry. Firearms/Toolmarks.

**What are the 3 most important tools in forensic sciences?** Fingerprinting and DNA identification. Evaluation of body fluids. Compound determination, such as drugs or other hazardous chemicals.

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**What are the 3 main branches of digital forensics?** There are three main types of digital forensic investigations: criminal investigations, civil litigation, and internal investigations—but of course this is somewhat complicated by the fact that individuals or organizations can conduct private investigations of any of these types.

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