

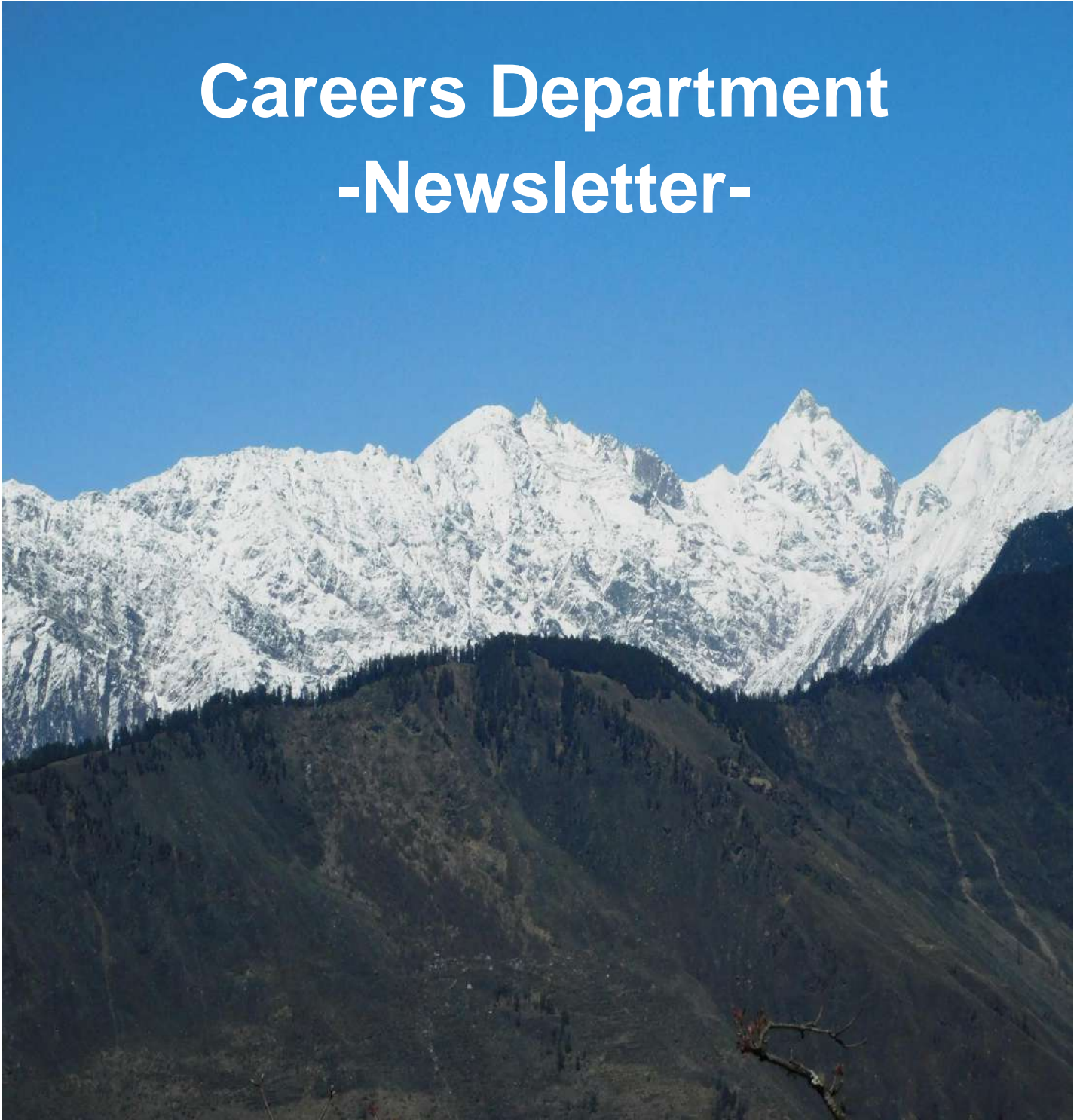


The Next Step



Great guidance for a great future

Careers Department -Newsletter-



Fifteenth Edition, June - 2023

EDITOR'S NOTE

Dear Reader,

We would like to express our gratitude to all of you for your unwavering support and belief in our work. Thank you for being an integral part of our newsletter community.

In this edition, we are excited to shed light on the vast career options available in the field of forensic science. Forensic science encompasses various disciplines, including forensic biology, forensic chemistry, forensic psychology, digital forensics, and more. If you have an interest in solving crimes and contributing to the pursuit of justice, a career in forensic science might be the perfect fit for you.

Our newsletter aims to provide you with comprehensive information about the different career paths within forensic science. We will highlight the educational requirements, necessary skills, and potential job opportunities available in each specialization. Whether you aspire to work in a crime laboratory, assist in crime scene investigations, or provide expert testimony in court, we have got you covered.

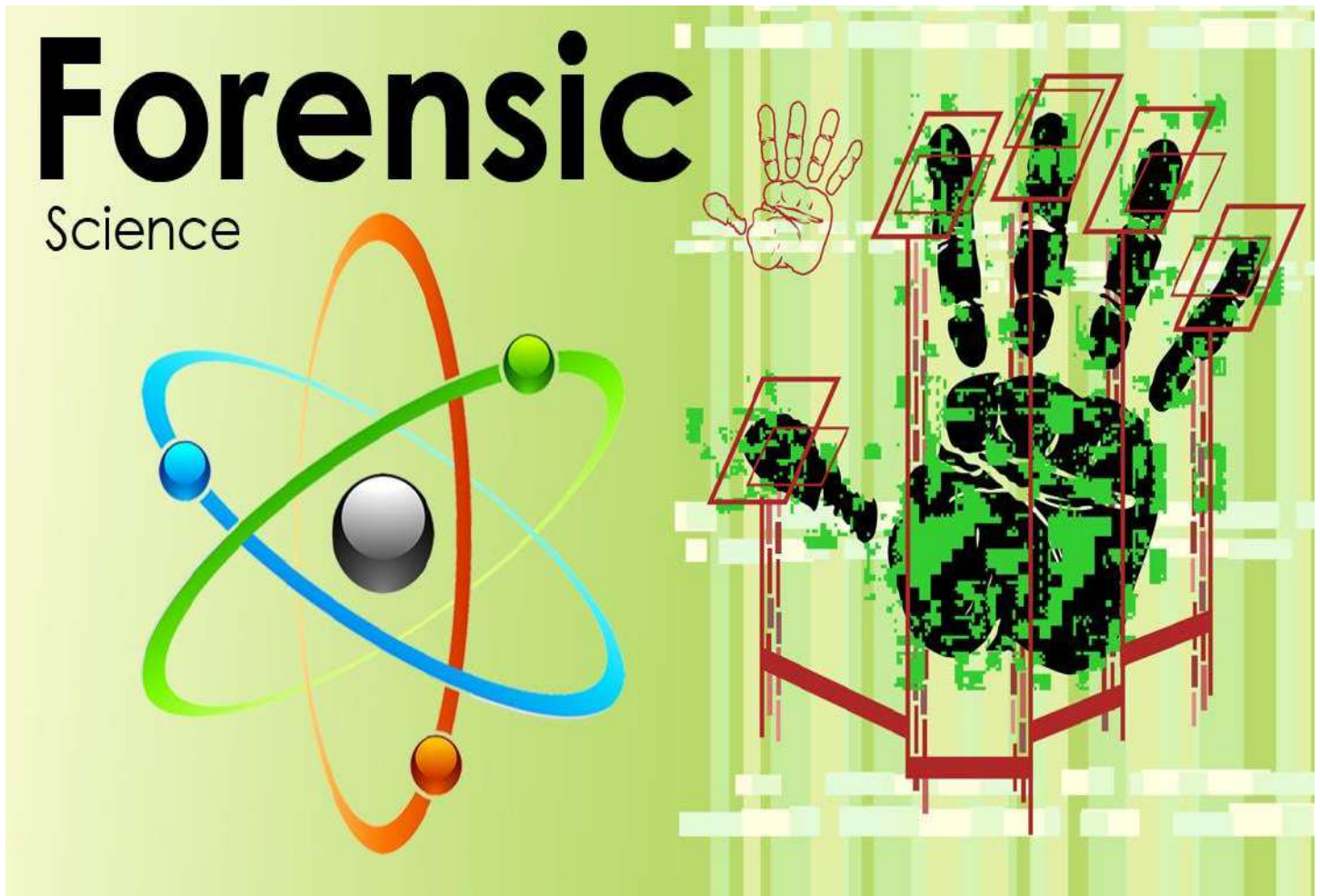
Additionally, we understand that many of you are eager to know about the details of package options after completing forensic science courses. We have dedicated a section in this newsletter to address this important aspect. We will outline the various course packages available, including diploma programs, bachelor's degrees, and postgraduate studies. You will find information about the curriculum, duration, and fees associated with each course. It is our goal to equip you with all the necessary details to make informed decisions about your future career path.

As always, we value your feedback and suggestions. If you have any better suggestions or ideas for future topics, please feel free to write to us at careers@assamvalleyschool.com. Your input is crucial in ensuring that we continue to provide relevant and beneficial content to our readers.

Please note that this newsletter is intended to be informative and professional. We kindly request that you refrain from engaging in any conversational behavior. Our aim is to deliver succinct and relevant information without direct user interaction.

Once again, thank you for your continued support. We hope that this edition of our newsletter will prove to be a valuable resource for those interested in pursuing a career in forensic science.

Best regards,
Devesh Prajapati
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Introduction

Forensic science, the application of the methods of the natural and physical sciences to matters of criminal and civil law. Forensic science can be involved not only in investigation and prosecution of crimes such as rape, murder, and drug trafficking but also in matters in which a crime has not been committed but in which someone is charged with a civil wrong such as willful pollution of air or water or causing industrial injuries.



HOW IS IT USEFUL?

The condition of our country is miserable at this time. Today crime is increasing day by day. It is the duty of the state to create a crime-free atmosphere by keeping a check on the increasing crime and punishing the offenders. When a crime occurs, it is the duty of the police to trace and imprison the criminals. Crime scene is one of the most important places for the investigating officers from where they can get the useful information about the crime and can gather evidences about what occurred during the crime. So, the crime scene may be the best source of physical and other evidence. Today the criminals are using advanced tools and techniques for crime. Without the help of science, police are helpless and cannot collect useful information and physical and other evidences. Forensic Science is playing the vest role to collect evidence in this situation. The main use of forensic science is for the purposes of law enforcement to investigate crimes. Forensic Science is being used in solving different types of criminal cases like rape, accident-related incidents, missing person, kidnapping, murder, fraud, suicide, forgery etc.

Eligibility Criteria for Different Courses

Course	Eligibility Criteria
B. Sc. (Forensic Science)	10+2 with a minimum aggregate of 70% in the science stream.
B.Sc. (Hons.) (Forensic Science)	10+2 with a minimum aggregate of 70% in the science stream.
M.Sc. (Forensic Sciences)	A graduate degree in science with relevant subjects from a recognized board and should have secured a minimum of 55% marks.
M.Sc. (Forensic Science and Criminology)	A graduate degree in science with relevant subjects.
M.Sc. (Information Security and Cyber Forensics)	A graduate degree in science with relevant subjects.
PhD (Disciplines of Forensic Sciences)	Post Graduation degree in the field.
M.D. (Forensic Medicine and Toxicology)	M.B.B.S. or B.D.S. degree in relevant subjects.
Advanced Diploma Course Certification in Forensic Sciences and Criminology	A graduation degree in the relevant field with an aggregate of 50% marks.
Diploma in Document Examination	10+2 pass (With Science Stream)
Diploma in Fingerprint Examination	10+2 pass (With Science Stream)
Post-Graduate Diploma in Cyber Crime Investigation and Computer Forensics	A graduation degree in the relevant field.
Post Graduate Diploma in Forensic Psychology	A graduation degree in the relevant field.
Certificate Course in Forensic Science	10+2 with interest in the relevant field.

Source - <https://www.shiksha.com/>

Job Opportunities

1. **Pathologist** - Pathologists may choose to specialize in the domain of medical forensics. These professionals are responsible for conducting autopsies on bodies to determine the cause of death. They may assist in the investigation of crimes like murders and evaluate the findings of autopsies. Forensic pathology is a specialization within a medical course that involves residency training.

National average salary: ₹ 216,372 per year



2. **Forensic science technician** - Forensic science technicians work at crime scene investigations and are responsible for gathering and analyzing evidence. They may take photos and keep written records of crime scene evidence. These professionals most commonly work for crime labs, police departments and medical examiner offices.

National average salary: ₹2,33,446 per year

3. **Private investigator** - Private investigators investigate both civil and criminal cases on behalf of



clients. They may occasionally require the help of local law enforcement and forensic technicians on their cases.

National average salary: ₹2,69,071 per year



4. **Criminal lawyer** - Criminal lawyers help their clients get the best outcomes out of standing criminal cases against them. A deep knowledge of forensic science is highly beneficial for criminal lawyers, as it is a central part of their work. Criminal lawyers themselves may perform several forensic investigations related to their cases. They also interact frequently with law enforcement officials and forensic technicians.

National average salary: ₹2,91,704 per year

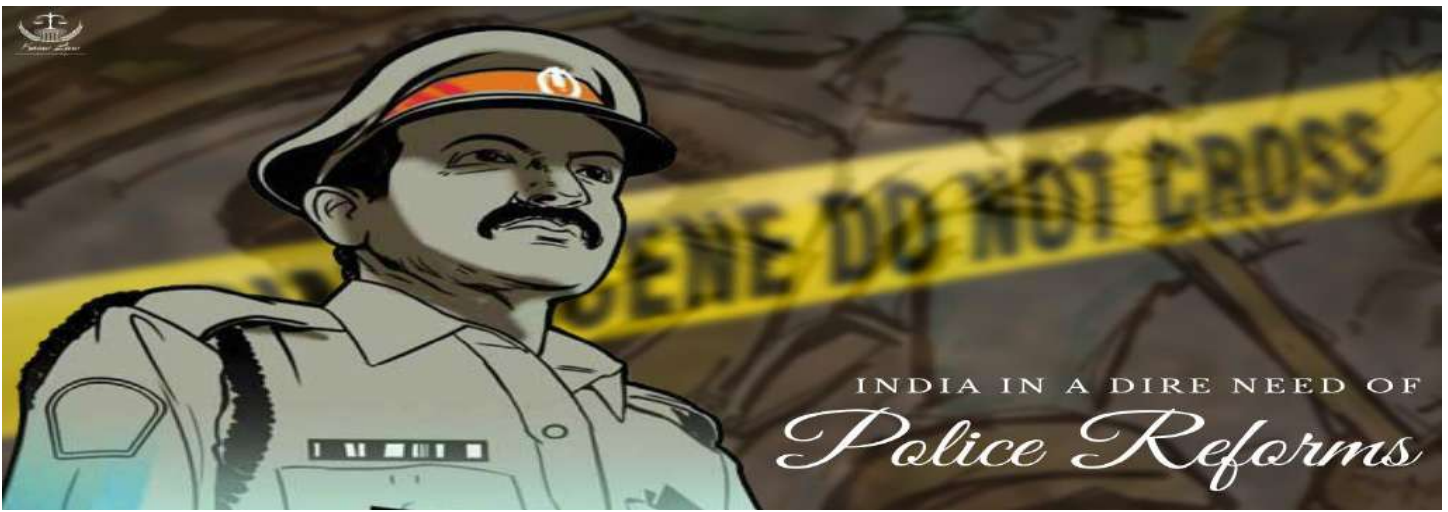
5. **Forensic scientist** - Forensic scientists are responsible for identifying, studying and testing evidence related to crimes and civil disputes. They may work in-house or on a contract basis with government agencies. They may also work with private institutions and lend their consultation services to clients. Their work is crucial for the development of forensic science as a subject, and they may even devise new methods and practices that can be applied in the field.

National average salary: ₹3,41,181 per year



6. **Forensic analyst** - Forensic analysts typically aid in the investigation and judiciary procedures associated with cyber-crimes. They may also work within the cyber cell of the police force or with cyber police officers to gather data related to criminal or civil cases. For example, the cyber police may require a forensic analyst to gather call records or triangulate the locations of suspects at a given time. Forensic analysis is a critical part of many investigation routines and hence, skilled analysts are often in high demand.

National average salary: ₹5,57,246 per year



7. **Police officer** - In addition to working with trained forensic technicians, police officers undergo forensics training themselves, especially when they step into higher positions in the force. Although you may not require formal academic qualifications in forensic science to become a police officer, forensic work is a crucial element of police work. Candidates with a forensic science degree may consider appearing for the IPS (Indian Police Service) examination and entering the force as a superintendent of police.

National average salary: ₹5,82,093 per year

8. **Forensic investigator** - Forensic investigators are responsible for investigating evidence found at a crime scene. They may take photos of the crime scene, collect samples and examine evidence in a lab. They then use the evidence to make assumptions regarding the details of the crime.

National average salary: ₹7,06,897 per year

9. **Forensic science professor** - A professor teaches students at the graduate or postgraduate level. To teach forensic science as a professor, you may require higher academic qualifications like an M.Sc. (Master of Science) or PhD in forensic science. Professors mentor students, assign academic objectives, conduct lectures, review assignments and evaluate the performance of students.

National average salary: ₹8,42,694 per year

10. **Forensics manager** - Crime labs may process multiple operations at a time and may require professionals to manage routine activities. A forensics manager is a professional who oversees the activities that support criminal investigations. They may plan, direct and coordinate various activities related to forensic science within a crime lab or other forensics organization.

National average salary: ₹8,50,931 per year

11. **Forensic specialist** - Forensic specialists assess physical evidence from a crime scene using various methods of analysis, including chemical, instrumental and microscopic methods. They may work with biological fluids, drugs, blood, residue and other materials found at a crime scene. They may serve as expert witnesses in court cases and conduct research related to new forensic equipment and technology.

National average salary: ₹14,80,037 per year

Where do forensic experts work?

Professionals in the field of forensics have job prospects in both public and private institutions, including:

- ✓ Universities
- ✓ Hospitals
- ✓ Banks
- ✓ Defence forces
- ✓ The Quality Council of India (QCI)
- ✓ Police forces
- ✓ Government-run forensic science laboratories
- ✓ The Central Bureau of Investigation (CBI)
- ✓ The Intelligence Bureau (IB)
- ✓ Private investigation agencies

TOP UNIVERSITIES IN INDIA:

- ❖ Banaras Hindu University
- ❖ Delhi University
- ❖ Amity University, Noida
- ❖ Gujarat University
- ❖ Manipal Academy of Higher Education, Manipal

TOP UNIVERSITIES ABROAD:

- ✓ Nanyang Technological University, Singapore
- ✓ Yonsei University, South Korea
- ✓ University of Toronto, Canada
- ✓ Stanford University, US
- ✓ Oxford University, UK

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