

Department of Forensic Science

Program Description

About the Program

The **Bachelor of Science in Forensic Science (B.Sc. Forensic Science)** is a four-year undergraduate programme offered by the Department of Forensic Science, Mandsaur University. The programme is designed to provide students with a comprehensive understanding of the scientific principles and techniques used in crime investigation, evidence examination, and the administration of justice. It combines theoretical knowledge with practical training to develop competent forensic professionals capable of addressing contemporary challenges in forensic science and the criminal justice system.

The curriculum encompasses a wide range of core and emerging disciplines, including forensic biology, forensic chemistry, forensic physics, forensic toxicology, fingerprint examination, questioned document analysis, crime scene investigation, forensic anthropology, DNA analysis, cyber and digital forensics, and forensic psychology. Through laboratory-based learning, case studies, internships, field visits, research projects, and interactions with forensic experts, students gain hands-on experience and develop analytical thinking, scientific reasoning, problem-solving abilities, and professional competence.

The programme is designed in accordance with the National Education Policy (NEP) 2020 and the principles of Outcome-Based Education (OBE), the programme promotes multidisciplinary learning, skill development, innovation, ethical practice, and lifelong learning while offering flexibility through multiple entry and exit options.

Graduates of the programme have diverse career opportunities in government and private sectors, including forensic laboratories, police and investigative agencies, cybersecurity organisations, legal support services, and research institutions. The programme also serves as a strong foundation for competitive examinations, entrepreneurship, advanced studies, and specialised careers in forensic and allied scientific domains.

Program Outcomes (PO)

PO1: Disciplinary Knowledge

Apply knowledge of forensic science and allied disciplines such as chemistry, biology, physics, and digital sciences to solve complex forensic problems.

PO2: Critical Thinking

Apply appropriate techniques, resources, and scientific reasoning to analyse forensic problems, understanding their advantages and limitations.

PO3: Ethics and Professional Responsibility

Apply ethical principles and commit to professional ethics and responsibilities in forensic practices.

PO4: Problem Solving

Identify and solve forensic problems in familiar and unfamiliar contexts and apply knowledge to real-life situations.

PO5: Research & Innovation

Plan, execute, and report results of forensic investigations and research activities effectively.

PO6: Communication Skills

Demonstrate effective reading, writing, listening, and speaking skills to communicate forensic findings clearly and professionally.

PO7: Teamwork and Leadership

Function effectively as an individual, team member, or leader in multidisciplinary environments.

PO8: Lifelong Learning

Recognise the need for and engage in independent and lifelong learning to adapt to technological advancements