



Department of APPLIED CHEMISTRY

M.Sc. Forensic Science

Admissions
2021

▼ About Us

Established in the year 2007, the Department has been actively engaged in imparting quality education in Chemical Sciences & Technology and Forensic Science. It has grown steadily in the past decade in faculty strength, infrastructure and research. The alumni of the Department are well placed in industries, academic institutions and R&D Centres thereby significantly impacting the society. With fifteen competent faculty members committed to teaching and research, the growth of the Department has been phenomenal in terms of publications, projects, patents and consultancy.

The rich postdoctoral research experience of several faculty members has led to the recognition of the department for awards, fellowships and grants from the Departments of Science and Technology, Biotechnology, Government of India and the Board of Research in Nuclear Sciences and the Ministry of Power, Government of India.



▼ Program Offered

M.Sc. Forensic Science (2 years / FT)

▼ Eligibility

Bachelor degree in Science / Forensic Science / Medicine / Veterinary Science / Dental Science / Pharmacy / Engineering or Equivalent degree with a minimum 50 % marks from a recognized University.

▼ Program structure

Two years (Four Semester) Program with a total credit of 90.

Theory cum Practical based courses shall be offered for 3 semesters and the final semester will include a research based course (project) with 12/20 credits.

▼ Salient features

- Unique syllabus designed in consultation with forensic experts.
- Strong research background and effective industry collaborations.
- Hands on practical training with sophisticated instruments for forensic analysis.

▼ Research Areas in Forensic Science

- Forensic chemistry
- Spectroscopy and forensic chemistry
- Fingerprint developing agents
- Forensic detection and analysis of chemicals
- Forensic Analytical Chemistry
- Nano-toxicological Examination
- Fluorescent Chemosensors
- Optical materials and Forensic applications
- Environmental Forensic Chemistry

▼ Research Facilities

- Shimadzu Prestige 20 FTIR Spectrometer
- Shimadzu LC 20AD HPLC
- Grace X2 Flash Chromatography System
- Biodiesel Rancimat
- Shimadzu GC 2010 Chromatography
- Jasco Spectrofluorometer
- Jasco UV-Visible-NIR Spectrophotometer
- CH660 D Electrochemical Work Station
- Rota Evaporator (Heidolf and Buchi)
- Ultra-Low Reaction Bath
- HPLC-MASS
- Bruker 300 MHz NMR Spectrometer

▼ What will you Learn?

- In depth study of forensic tools and techniques, forensic toxicology and pharmacology, forensic physics and advanced ballistics, finger prints and impressions, forensic chemistry, etc.
- Forensic analysis of explosives and narcotics.
- Chemical, physical, biological and toxicological characterization of samples.
- Evidence collection and testing of specimens in the laboratory.

▼ Career Prospects

- Medical Examiner
- Legal Counselors
- Laboratory Analyst
- Forensic Scientist
- Ballistics Expert
- Crime Reporter
- Crime Scene Investigator
- Investigative Officer
- Forensic Engineer
- Handwriting Expert

Contact:



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