

CERTIFICATE IN BIOMEDICAL FORENSIC SCIENCES

Offered by
Albany State University



Albany State University
504 College Drive
Albany, GA 31705
USA. <http://online.asurams.edu>

And



Nebraska Institute of Forensic Sciences, Inc.
600 South 70th Street
Lincoln, NE 68510
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Full Certification consists of coursework in modules. Each module consists of 48 contact hours (4.0 CEUs) of lectures conducted over a one-month period. Students who are seeking to be awarded a Certificate in Biomedical Forensic Sciences will be required to do a laboratory practicum /internship upon completion of the eight (8) modules. The practicum / internship will be equivalent to 180 contact hours (16.0 CEUs).

CEBMFSO1-01 - 1010 - Forensic Biology

Module I (Forensic Biology) will give students exposure to the theory and practice of DNA (deoxyribonucleic acid) analysis in the forensic setting. More recently, advancements in DNA technology have enhanced the ability of forensic scientists to characterize biological evidence and have greatly influenced the way law enforcement community conducts criminal investigation. Through lecture sessions and practicum / internship, students will be able to understand the advancement in forensic biology and DNA technology and their applications as very powerful tools in criminal investigation and evidence collection.

CEBMFSO2-01 - 1006 - Forensic Chemistry

As an applied science, the practice of forensic science requires the integration of scientific knowledge and skills in the examination, analysis, interpretation, reporting, and testimonial support of physical evidence. Forensic science requires a strong foundation in the natural sciences and laboratory experience and the ability to apply these sciences to practical problems. Due to the nature of forensic investigations, the forensic chemist requires a strong background in chemical analysis and must be able to effectively communicate reports in the courtroom. Forensic chemistry provides the essential knowledge, skills and abilities that are crucial in the field of forensic science and practice.

CEBMFSO3-01 - 1009 - Bloodstain Pattern Analysis

This one-month module III training program is designed to give the attendees a unique opportunity to acquire first-hand knowledge of the bloodstain pattern interpretation. Module III (of 8 modules) consists of 48 contact hours (4.0 CEUs) of lectures, quizzes and reading assignments. Students who are seeking to be awarded a Certificate in Biomedical Forensic Sciences will be required to do a laboratory practicum /internship program upon completion of all the eight (8) modules. The practicum / internship will be equivalent to 180 contact hours (16.0 CEUs). Module III lectures are designed to illustrate the fundamental principles of the discipline in a theoretical as well as a practical manner. Lectures will focus on basic principles, with a series of laboratory demonstrations. Demonstration exercises will allow the students the opportunity to obtain first-hand knowledge of how blood reacts under known conditions. This course does not make “instant experts” of those in attendance. This course will however give those in attendance a firm foundation in which they can build expert qualifications.

CEBMFS04-01 - 1010 - Crime Scene Analysis/Reconstruction and Medicolegal Death Investigation

Module IV provides valuable training for all levels of law enforcement personnel, including coroners, forensic science students, scene personnel, criminalists, evidence technicians, prosecutors, defense attorneys, insurance adjusters, medical examiners, private investigators, and correctional officers. Module IV training is also targeted for medical professionals such as physicians, nurses, and emergency medical technicians, as well as for funeral professionals like embalmers and funeral home directors. Designed by leading authorities in medicolegal death investigation and forensic pathology, this module training will familiarize participants with the operations of a death investigation system and the role of the medicolegal death investigator. Topics presented are intended to assist participants to gain understanding and solid foundation of how science and technology play a key role in the determination of truth and justice in death investigation.

CEBMFS05-01 - 1103 - Forensic Anthropology, Archeology, Botany, Entomology, Odontology: Discovery, Recovery, and Identification of Human Remains.

This one-month long module V training provides participants with the operations of finding, recovering and identifying human remains in a death investigation system. Lectures will cover methods of searching; theory and practice; forensic osteology; principles of forensic archeology; skeletal anatomy, skeletal analytical techniques such as age sex, and race determination, methods of positive identification, trauma analysis and human remains recovery, time since death; field exercises in finding a missing body; rates of decomposition; forensic entomology; personal identification and forensic pathology; pre-mortem injury and cause of death; non-human remains, and a variety of related topics in physical anthropology.

CEBMFS06-01 - 1012 - Forensic Psychiatry and Psychology

Module VI is an introductory course that discusses the multiple topics that compose the broad and evolving field of forensic psychology, forensic psychiatry or criminal psychology. Forensic psychology is the application of the science and profession of psychology to issues relating to law and the legal system. This module is aimed to introduce attendees to the numerous issues that are involved in the field of forensic psychology and psychiatry. It will inform attendees about the various roles that psychologists and psychiatrists play in the justice system. Various topics covering aspects of criminal behavior and investigation, the assessment of risk for violence, the psychology of crime victims and witnesses will be provided by leading forensic psychiatrists with special training in the understanding, diagnosis and treatment of mental disorders, and forensic psychology.

CEBMFS07-01 - 1103 - Forensic Investigations of Human Rights Abuse and Torture

The module VII training coursework in forensic investigation of human rights abuse and torture is designed to enable attendees to develop the capacity to become effective participants in the investigation of alleged human rights abuses. Forensic investigation of human rights provide a powerful tool for assisting families to find out what happened to their loved ones and be able to find closure to their bereavement. The investigation may serve to uncover and document evidence that will be admissible in the court of law, thereby providing a voice to the victims and their families. The investigation serves to provide a historic record of the human rights abuse that occurred, which can be kept as evidence. Forensic investigations address the need for justice by testifying in court of law, and thereby holding those individuals in violation of human rights and international humanitarian law responsible for the crimes. Module VII will focus on the methods and concerns in identifying the victims of human rights abuse for their relatives and for international tribunals.

CEBMFS08-01 - 1105 - Forensic Science and the Law

This one-month module VIII coursework provides valuable training for all levels of law enforcement personnel, including coroners, forensic science students, scene personnel, criminalists, evidence technicians, prosecutors, defense attorneys, insurance adjusters, private investigators and correctional officers. Medical professionals, such as physicians, nurses and emergency medical technicians and funeral professionals, such as embalmers and funeral directors are also expected to benefit from the training.