



American College
UNIVERSITY INSTITUTE



Higher University Technology

MEDICAL EMERGENCIES

ABOUT THE **CAREER**



Title: Advanced University-Level Technology in Emergency Medical

Duration: 3 years

Format: On-campus

Schedule: Morning – Afternoon

Mission

To train competent professionals in Emergency Medical Services, enabling them to become involved in victim rescue teams in all areas, always strengthened by their vocation of service and principles of quality, ethics and responsibility.

Vision

To consolidate the training of university-trained Medical Technologists, resulting in professionals of the highest quality, operational in medical emergencies in the pre-hospital area.



Graduate Profile

The emergency medical professional from the American College University Institute will be able to recognize, assess, and resolve the initial phase of pre-hospital emergencies by applying the care standards and protocols determined by the Ministry of Public Health and international standards, according to the level of complexity, together with performing extraction and rescue maneuvers for victims from difficult-to-access areas, providing pediatric and gynecological emergency care, vehicle rescue, and pre-hospital care in tactical emergencies, analyzing the risks present at the time of the rescue, complying with the codes of ethics and current laws, adjusting their conduct to the established standards for applying them in the exercise of their profession.

Advanced University-Level Technology in Emergency Medicine Curriculum



1st Semester	Ethics and professional conduct of the paramedic	Oral and written communication techniques	Prehospital environment	Fundamentals of musculoskeletal anatomy	Basics of biology and biochemistry	Hospital hygiene and disease prevention
2nd Semester	Medical Emergencies	Research Approaches and Processes in Prehospital and Emergency Care	Legal Framework in Emergencies	Morphology of Organs and Systems	Emergency Psychology	Disaster Management
3rd Semester	Epidemiology	Pharmacology and Toxicology	Introduction to Semiology	Physiology	Cardiac and Neurological Emergencies	Incidents and Rescues
4th Semester	Medical Management of Hazardous Materials: Recognition and Identification	Syndrome Semiology	Pathophysiology	Prehospital Gynecological and Obstetric Care	Prehospital Urban Search and Rescue Care	Map and Plan Reading
5th Semester	Vehicle Rescue and Emergencies	Prehospital Care for Special Needs Patients	Pediatric Prehospital Care	Prehospital Care	Medical Emergencies	
6th Semester	Hospital Emergencies	Search and Rescue with Technological Equipment	Research Projects	Prehospital Support in Tactical Civil Emergencies	Management and Treatment of Environmental Trauma	

Strengths of the Program

1. Comprehensive training in prehospital care: Educating professionals to manage a wide range of medical emergencies in accordance with up-to-date protocols.
2. Emphasis on risk assessment training: Training professionals to analyze and manage risks during rescue and care operations.
3. Leadership development: Cultivates leadership skills to address complex and dynamic scenarios.
4. Training focused on teamwork and conflict resolution: Prepares professionals to collaborate effectively and manage high-pressure situations.
5. Specialized equipment: The institution has state-of-the-art simulators and manikins for realistic training.
6. Variety of training scenarios: The institution has facilities that simulate different emergency environments (urban, rural, vehicular).





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