

Hybrid Professional Master's Degree

Medical Expertise and Bodily
Injury Assessment



Hybrid Professional Master's Degree

Medical Expertise and Bodily Injury Assessment

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 5 ECTS Credits

Website: www.techtute.com/in/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-medical-expertise-bodily-injury-assessment

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01

Introduction

Medical Expertise and Bodily Injury Assessment requires, on the part of the physician, the mastery of technological tools and work strategies that are constantly being renewed. This evolution is propitiated by scientific and research development, which promotes better mechanisms for approaching vital injuries, reconstructing accidents, among other aspects. Paradoxically, specialists are not fully aware of the sector's advances. For this reason, TECH has burst onto the academic scene with an innovative educational modality. This program consists, first of all, of a theoretical and online learning period. Afterwards, they spend 3 weeks in an intensive on-site stay in a referral hospital, where the graduate will apply innovative procedures and complement their didactic preparation.



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Don't miss the opportunity to get up to date on the latest advances in Medical Expertise through a unique educational model, designed by TECH exclusively for your improvement goals”

Forensic Medicine is growing by leaps and bounds as a result of continuous investigative work. Also, due to these advances, the Medical Expertise and the Valuation of Bodily Injury has also experienced a latent evolution. This is evidenced by increasingly less error-prone genetic testing, procedures for assessing the causes of an accident, and strategies for assessing the nature of an incident of sexual violence. At the same time, the regulations governing the practice of Criminalistics and Criminology are being modernized, offering a new legal landscape for professionals in these health areas. However, not everyone manages to keep up with these developments. This is due, among other reasons, to the lack of academic programs that encompass practical and theoretical innovations in this area.

For this reason, TECH sets itself apart in the educational scenario, providing a pioneering learning modality of its kind. Thus, this Hybrid Professional Master's Degree provides the best education through two well-defined stages. In the first one, the physician will examine the most revolutionary concepts about Forensic Pathology, damage assessment, among other topics of interest. To do so, it will have 1,500 hours of study, from a 100% online platform, with multiple multimedia resources such as videos and infographics. In addition, you will not have to worry about restrictive schedules or pre-established evaluation chronograms, acquiring total freedom to self-manage the pedagogical improvement process.

On the other hand, in the second half of this program, TECH will provide you with access to first-rate hospital settings for your clinical internships. The facilities chosen for this intensive face-to-face stay are equipped with state-of-the-art assessment resources and healthcare tools. In these spaces, the medical professional will make the most of his or her potential, based on the personalized advice of an assistant tutor.

At the same time, it will have the support and experience of professionals with a distinguished trajectory in the sector. Gradually, you will be able to expand your skills and handle these mechanisms with greater clarity, gaining access to highly demanding forensic environments.

This **Hybrid Professional Master's Degree in Medical Expertise and Bodily Injury Assessment** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of more than 100 clinical cases presented by medical professionals with extensive experience in Medical Expertise and Valuation of Bodily Injury
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Comprehensive systematized action plans for the main pathologies
- ♦ Presentation of practical workshops on procedures diagnosis, and treatment techniques
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Practical clinical guides on approaching different pathologies
- ♦ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection
- ♦ Furthermore, you will be able to carry out a clinical internship in one of the best hospital centers



Update your theoretical knowledge about Forensic Pathology and Thanatology during the first half of this Hybrid Professional Master's Degree"

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The innovative mode of study of this program provides you with 3 weeks of intensive learning in a specialized center, together with the best experts in this health field"

In this proposed Professional Master's Degree, of a professionalizing nature and blended learning modality, the program is aimed at updating medical professionals who require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge into practice, and the theoretical-practical elements will facilitate the updating of knowledge and will allow decision making in patient management.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional to learn in a contextual and situated learning environment, i.e., a simulated environment that will provide immersive learning programmed to specialize in real situations. This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

In the theoretical phase of this program, you will analyze rigorous academic modules, composed by an internationally renowned teaching team.

The intensive and immersive stay of this Hybrid Professional Master's Degree will provide the specialist with 120 hours to incorporate into his daily practice the most modern practical skills in relation to Medical Expertise.



02

Why Study this Hybrid Professional Master's Degree?

Health professionals who wish to broaden their knowledge in the field of Medical Expertise and Bodily Injury Assessment should definitely take this Hybrid Professional Master's Degree. Its academic design, devised by TECH, puts in the hands of the specialist the latest trends to address injuries that can cause death, elucidate the causes of accidents or understand the nature of crimes of sexual violence. All of this is based on a pioneering mode of study through which the physician will achieve a theoretical and practical mastery of all the innovations in this field of health.





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*Enroll in this program
and expand your professional
profile, as an expert in medical
expertise, towards excellence”*

1. Updating from the Latest Technology Available

In this program, TECH will delve into the use of complex techniques and cutting-edge forensic criteria. This knowledge will reach the graduate in a theoretical and practical way, through an innovative modality of studies, focused on the main demands and requirements of the scientific panorama.

2. Gaining In-depth Knowledge from the Experience of Top Specialists

Throughout this Hybrid Professional Master's Degree, the specialist will have an excellent teaching team that will provide personalized learning guidance. These teachers have chosen first-rate content that will contribute significantly to their daily professional practice. In addition, during the practical phase, you will expand your skills under the guidance of the best experts in the field at a prestigious hospital institution.

3. Entering First-Class Clinical Environments

In the professional practice of this program, TECH has foreseen the needs of its graduates in terms of the development of protocols and more complex techniques in relation to Medical Expertise and Bodily Injury Assessment. In addition, the specialist will be able to implement the latest strategies, with the supervision of an experienced expert as an assistant tutor.





4. Combining the Best Theory with State-of-the-Art Practice

At the academic level, few programs of study manage to unify the theoretical field with practical activity. However, with TECH's Hybrid Professional Master's Degree model, physicians will achieve a holistic mastery of the trends and techniques embodied in its educational content in just 3 weeks of face-to-face activity, from a prestigious center.

5. Expanding the Boundaries of Knowledge

This program broadens the physician's horizons from an international perspective. This is possible thanks to the contacts of TECH, the world's largest digital university. Thus, it provides a very complete program, with experts from different latitudes and the direct analysis of global standards of Medical Expertise.



You will have full practical immersion at the center of your choice"

03 Objectives

A correct judicial expertise is key to know the causes of injuries or a traumatic death. For this reason, the gathering of evidence and the valuation of bodily injury requires duly trained specialists, with a theoretical and practical mastery of the particularities of Medical Expertise. This program aims to turn health professionals into such experts through an innovative academic modality. To this end, it provides an intensive compilation of conceptual contents and accompanies it with a practical, present and immersive stay where the graduate will acquire the most modern competences during 3 weeks of learning.





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From the study of this Hybrid Professional Master's Degree, you will learn the most updated criteria to determine whether an injury is vital, perimortal or postvital"



General Objective

- This Hybrid Professional Master's Degree will update the knowledge of the health professional with respect to all the new developments that have been inserted in the branch of Medical Expertise and Bodily Injury Assessment. This program will promote in the specialist the latest work strategies, based on the integral approach to the examinee as a model of reverence. At the same time, it will favor the acquisition of technical skills and abilities of great value for daily work practice. Finally, it will encourage physicians to improve and continue their research.

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This academic program combines, like no other program, the theoretical and practical mastery in relation to the valuation of Bodily Injury according to the most modern expert criteria”





Specific Objectives

Module 1. Update

- ♦ Update the general knowledge about this branch of medicine
- ♦ Master the latest Medical Expert Tests in the different fields of law
- ♦ Assessing the Code of Ethics of the Judicial Expert

Module 2. Forensic Thanatology

- ♦ Examine the medical and thanatological concepts of Forensic Sciences
- ♦ Conduct an in-depth study of cadaveric phases and phenomena
- ♦ Describe the different cadaveric phenomena

Module 3. Forensic Pathology I

- ♦ Be able to objectify injuries
- ♦ Analyze the process of Forensic Evidence Collection in medicine
- ♦ Explain the Study of Footprints

Module 4. Forensic Pathology II

- ♦ In-depth study the profiles of persons who may have intentionally carried out a self-injury, accident or homicide by simulating a traffic accident
- ♦ Master the relevant aspects for the identification of possible assault aggressors
- ♦ Define the mechanisms of death

Module 5. Damage Assessment

- ♦ Determine whether injuries are vital, perimortal or postvital
- ♦ Recognize the Stages of Evidence and Crime Scenes
- ♦ Avoid fraud losses in this type of practice, before large companies or third parties

Module 6. Investigating Accidents

- ♦ Explain how to deal with Post-Traumatic Stress Disorder
- ♦ Analyze possible fraud in the event of claims and accidents
- ♦ Explain the mechanism of the most common vehicular traffic accident injuries
- ♦ Delve into the phases of an accident and the injuries resulting from it
- ♦ Apply the accident reconstruction procedure

Module 7. Forensic Sexology

- ♦ Determine the different personality types of the subjects
- ♦ Inquire into the components of the antisocial personality
- ♦ Exploring the nature of offenses against sexual freedom and indemnity

Module 8. Criminalistics

- ♦ Explain the process of removal of the body
- ♦ Define the process of appraisal of expert evidence and the concept of chain of custody
- ♦ Classify the types of blood stains and the correct process of blood sampling
- ♦ Know the principles of forensic genetics

Module 9. Criminology

- ♦ Manage the different investigative techniques used in forensic medicine
- ♦ Conduct the process of criminological examinations
- ♦ Analyze the principles of sample storage and transport
- ♦ Delve into the characteristics and structure of the expert evidence

04 Skills

This Hybrid Professional Master's Degree in Medical Expertise and Bodily Injury Assessment, will provide the medical professional with the latest knowledge on this health panorama. It will also develop the most advanced competencies to diagnose bodily injuries caused by automobile accidents, domestic violence, among other severe incidences.



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This refresher program will generate in you high level skills to proceed with the performance of the Criminal Judicial Autopsy and the Civil Judicial Autopsy"



General Skills

- Master knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- Apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study
- Integrate knowledge and face the complexity of making judgments based on incomplete or limited information
- Communicate and the ultimate knowledge and rationale behind them - to specialized and non-specialized audiences in a clear and unambiguous way
- Acquire the learning skills that will enable further studying in a largely self-directed or autonomous manner

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Incorporate into your medical practice the mastery of the most modern regulations related to expert examination and the correct collection of data in the event of indications of criminal activity"





Specific Skills

- ♦ Expand general knowledge of professional nursing
- ♦ Specialize in the medical-thanatological concepts in forensic science
- ♦ Develop a study depth study of cadaveric phases and phenomena, to gather the necessary knowledge to be able to identify any type of injury at a forensic level
- ♦ Describe disorders, personalities and legal aspects of Forensic Criminology
- ♦ Recognize the Stages of Evidence and Crime Scenes
- ♦ Define the mechanisms of Accident Production and Damage Assessment in relation to these mechanisms
- ♦ Evaluate Fraud through rigorous analysis of the Evidence and the Scene
- ♦ Differentiate the importance of the role professionals play in forensic sciences
- ♦ Describe the process involved in damage assessment and in drafting an expert report based on the available evidence

05

Course Management

In order to integrate the teaching team of this Hybrid Professional Master's Degree in Medical Expertise and Bodily Injury Assessment, TECH has carried out a thorough evaluation of the professionals within its reach. The faculty composed through this selection has been in charge of developing an innovative syllabus. In this Postgraduate Diploma, the experts have developed the most modern medical criteria and, through their theoretical mastery, the specialist will achieve an advanced theoretical mastery of the most complex concepts of this specialty. In addition, you will learn how to incorporate this knowledge in a rigorous and efficient way into your daily healthcare practice.





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The faculty of this Hybrid Professional Master's Degree has extensive experience in relation to Medical Expertise and you will be able to incorporate it into your professional practice after completing your education"

Management



Dr. María del Pilar Pinto Pastor

- ♦ Member of the Francisco Vallés Institute of Clinical Ethics
- ♦ Researcher the Department of Legal Medicine, Psychiatry and Pathology of La (Complutense University of Madrid)
- ♦ Asisa-Lavinia from Bioethics and Health Law Committee Member
- ♦ Master's Degree in Health Expertise from the Complutense University of Madrid
- ♦ Master's Degree in Clinical Bioethics from the Ortega Marañón Foundation
- ♦ Master's Degree in Health Law from the European University



Dr. Andrés S. Santiago Sáez

- ♦ Chief of the Service of Legal Medicine at the San Carlos Clinical Hospital
- ♦ President of the Health Risk Unit de Gestión at the San Carlos Clinical Hospital
- ♦ Deputy Director of the School of Legal Medicine and Forensic Medicine of Madrid (Complutense University of Madrid)
- ♦ PhD in Medicine
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ♦ Master's Degree in Bodily Injury Assessment at the Complutense University of Madrid
- ♦ Master's Degree in Health Expertise from the Complutense University of Madrid
- ♦ Master's Degree in Health Law from the European University of Madrid
- ♦ Member of the Legal Medicine Journal Committee and Health Care Ethics Committee of the San Carlos Clinical Hospital

Professors

Dr. Cristina Delgado Arnaiz

- ♦ Specialist Physician at the University Hospital Fundación Alcorcón
- ♦ Anaesthesiology and resuscitation at the Quirónsalud Sur Hospital
- ♦ Specialist in Legal and Forensic Medicine
- ♦ Specialist in Anesthesiology, Resuscitation and Pain Therapy
- ♦ Judicial expert and preparation of expert reports
- ♦ Lecturer in the Department of Legal Medicine, Psychiatry and Pathology. Faculty of Medicine UCM and at the URJC
- ♦ Degree in Medicine and Surgery from the University of Alcalá

Dr. Enrique Olivares Pardo

- ♦ Specialist in Legal and Forensic Surgery and Medicine
- ♦ Plastic Surgeon the Niño Jesús University Hospital
- ♦ Specialised doctor at MD Anderson Cancer Center. Madrid
- ♦ Associate Professor at the European University of Madrid
- ♦ Associate Professor of the Department of Legal Medicine, Psychiatry and Pathology Faculty of Medicine (Complutense University of Madrid)
- ♦ Doctorate in Surgery, University of Alcalá
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ specialist Legal and Forensic Medicine from the School of Legal Medicine the Complutense University of Madrid
- ♦ Specialist in Plastic, Reconstructive Surgery and Esthetic University Ramón y Cajal University Hospital

Dr. Ángel F. García Martín

- ♦ Faculty in Legal and Forensic Medicine
- ♦ Researcher the Department of Legal Medicine, Psychiatry and Pathology of La (Complutense University of Madrid)
- ♦ Doctor of Medicine and Surgery, from the Complutense University of Madrid
- ♦ Member of the Spanish Society of Psychiatry Legal

Dr. Miryam Liaño Riera

- ♦ Outpatient Emergency Physician in the Rural Attention Service of the Navas del Rey Health Center
- ♦ Specialist in Legal and Forensic Medicine
- ♦ Specialist in Family and Community Medicine
- ♦ Associate Teacher, Department of Legal Medicine, Psychiatry and Pathology, Faculty of Medicine, Complutense University of Madrid
- ♦ Professor at the School of Legal and Forensic Medicine of Madrid
- ♦ Expert collaborator with the School of Forensic Medicine UCM
- ♦ DR. in Medicine and Surgery from the UAM
- ♦ Master's Degree in Health Law and Bioethics from the UCLM

06

Educational Plan

This study plan analyzes, through several academic modules, the main novelties in relation to Medical Expertise and Bodily Injury Assessment. In particular, the physician will examine the latest forensic pathology techniques and how they are applied to incidents of sexual violence. On the other hand, it also delves into the most modern strategies to explore the causes of occupational and automobile accidents, among others. The entire syllabus is integrated into a 100% online learning platform, interactive and without pre-established schedules. In this way, the specialist will be able to master all aspects of this program in a fast, flexible and personalized way.





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With TECH, you won't have to worry about pre-established schedules or rigid evaluation timetables. You will be free to self-manage your learning according to your interests for self-improvement”

Module 1. Update

- 1.1. Medical Expert Evidence in the Different Fields of Law
 - 1.1.1. Concept of Expert Evidence
 - 1.1.2. Sections of Expert Evidence
 - 1.1.3. Legal Applications of Expert Evidence
- 1.2. Forensic Medicine Systems in America and Europe
 - 1.2.1. Main Differences between Systems
 - 1.2.2. Legal Amendments between Countries
- 1.3. Expert Investigation and Method
 - 1.3.1. Research Techniques
 - 1.3.2. Research Limits
 - 1.3.3. Legal Aspects of Research
- 1.4. Ethics and Expert Evidence
 - 1.4.1. Professional Ethics
 - 1.4.2. Objectivity in Expertise
 - 1.4.3. Subjectivity in Expertise
 - 1.4.4. Oath according to the Civil Procedure Law
- 1.5. Professional Responsibility of the Medical Expert
 - 1.5.1. Civil Liability Insurance
 - 1.5.2. Concept of Expert Liability
 - 1.5.3. Aspects of the Civil Procedure Law

Module 2. Forensic Thanatology

- 2.1. General Aspects
 - 2.1.1. Concept and Content
 - 2.1.2. Concepts of Death
 - 2.1.3. Degrees of Death
- 2.2. Legal Transcendence
- 2.3. Mortuary Progression
 - 2.3.1. Agony Indicators
 - 2.3.2. Precedence in Multiple Deaths

- 2.4. How is Death Diagnosed?
 - 2.4.1. Concept and Methodology
- 2.5. Death Demonstrated
 - 2.5.1. Encephalic Death
 - 2.5.2. Death in Cardiac Arrest
- 2.6. Cadaveric Phenomena
 - 2.6.1. Concept
 - 2.6.2. Classification
- 2.7. Cooling
 - 2.7.1. The way they are formed
- 2.8. Dehydration, Lividity, and Hypostasis
 - 2.8.1. The way they are formed
- 2.9. Stiffness and Spasm
 - 2.9.1. The way they are formed
- 2.10. Autolysis and Putrefaction
 - 2.10.1. Chronology of Putrefaction
- 2.11. Preservative and Transformative Phenomena of the Cadaver. Saponification
 - 2.11.1. Concept and Classification
- 2.12. Preservative and Transformative Phenomena of the Cadaver. Mummification
 - 2.12.1. Concept
 - 2.12.2. Phases of the Process
- 2.13. Preservative and Transformative Phenomena of the Cadaver. Corification
 - 2.13.1. Concept
 - 2.13.2. Phases of the Process
- 2.14. Other Cadaveric Phenomena
 - 2.14.1. Concept
 - 2.14.2. Phases
- 2.15. Duration of Death
 - 2.15.1. Concept and Importance
 - 2.15.2. Routines and Means of Dating Death
- 2.16. Criminal Judicial Autopsy and Civil Judicial Autopsy
 - 2.16.1. Definition and Methodology
 - 2.16.2. Forms of Action

- 2.17. Autopsy Times
 - 2.17.1. External Cadaveric Examination
 - 2.17.2. Internal Cadaveric Examination
- 2.18. Auxiliary Techniques for Forensic Medical Necrodiagnosis
 - 2.18.1. Classification and Concept
- 2.19. Vital, Perimortal, and Postvital injuries
 - 2.19.1. Origin
 - 2.19.2. Routines
 - 2.19.3. Diagnostic Methods
- 2.20. Discovery of the Corpse
 - 2.20.1. Removal of the Corpse
 - 2.20.2. Site Inspection

Module 3. Forensic Pathology I

- 3.1. Death due to Injury
 - 3.1.1. Classification
 - 3.1.2. Destruction of Vital Centers
 - 3.1.3. Hemorrhages
- 3.2. Traumatic Shock and Embolisms
 - 3.2.1. Concept
 - 3.2.2. The way they are formed
- 3.3. Multiorgan Dysfunction Syndrome
 - 3.3.1. Definition and Concept
- 3.4. Mechanisms of Natural Death
 - 3.4.1. Concept and Classification
- 3.5. Natural Death of Cardiovascular and Respiratory Origin
 - 3.5.1. Concept and Classification
- 3.6. Natural Death of Neurological Origin
 - 3.6.1. Concept and Diagnosis
- 3.7. Natural Death of Digestive and Metabolic Origin
- 3.8. Sudden Infant Death
 - 3.8.1. Classification
 - 3.8.2. Possible Disguised Deaths (Abuse)
- 3.9. Sudden Adult Death
 - 3.9.1. Concept and Classification
- 3.10. Study of Contusions
 - 3.10.1. Signs of Struggle
 - 3.10.2. Signs of Defence
- 3.11. Stab Wounds
 - 3.11.1. Types of Wounds
 - 3.11.2. The way they are formed
- 3.12. Gunshot Wounds
 - 3.12.1. Types of Wounds
 - 3.1.2.1.1. Entry Wounds
 - 3.1.2.1.2. Exit Wounds
 - 3.1.2.1.3. The way they are formed
- 3.13. Electrical Injuries
 - 3.13.1. Concept
 - 3.13.2. The way they are formed
- 3.14. Cold, Radiation, and Atmospheric Pressure Injuries
 - 3.14.1. Concept
 - 3.14.2. Classification
 - 3.14.3. The way they are formed
- 3.15. Heat Injuries and Burns
 - 3.15.1. Concept
 - 3.15.2. Classification
 - 3.15.3. Identification
- 3.16. Fire Injuries
 - 3.16.1. Concept
 - 3.16.2. Classification
 - 3.16.3. Identification
- 3.17. Blast Injuries
- 3.18. Major Disasters

Module 4. Forensic Pathology II

- 4.1. Domestic Abuse
 - 4.1.1. Concept
 - 4.1.2. Detection
 - 4.1.3. Diagnosis
- 4.2. Child Abuse
 - 4.2.1. Concept
 - 4.2.2. Detection
 - 4.2.3. Diagnosis
- 4.3. Child Sexual Abuse
 - 4.3.1. Concept
 - 4.3.2. Detection
 - 4.3.3. Diagnosis
- 4.4. Abuse in Relationships
 - 4.4.1. Concept
 - 4.4.2. Detection
 - 4.4.3. Diagnosis
 - 4.4.4. Possible False Abuse
- 4.5. Elder Abuse
 - 4.5.1. Concept
 - 4.5.2. Detection
 - 4.5.3. Diagnosis
- 4.6. Traffic Accident Injuries
 - 4.6.1. Concept
 - 4.6.2. Classification
- 4.7. Forensic Medical Investigation of Aircraft Accidents
 - 4.7.1. Concept
 - 4.7.2. Basic Notions
- 4.8. Mechanical Asphyxiation
 - 4.8.1. Concept
 - 4.8.2. Classification
- 4.9. Mechanisms of Death
 - 4.9.1. Common Injuries in Deaths due to Asphyxiation
- 4.10. Hanging
 - 4.10.1. Concept
 - 4.10.2. Classification
 - 4.10.3. Diagnosis
- 4.11. Strangulation
 - 4.11.1. Concept
 - 4.11.2. Classification
 - 4.11.3. Diagnosis
- 4.12. Suffocation
 - 4.12.1. Concept
 - 4.12.2. Diagnosis
- 4.13. Submersion
 - 4.13.1. Concept
 - 4.13.2. Diagnosis
- 4.14. Violent Death in Infants
 - 4.14.1. Concept
 - 4.14.2. Relevant Aspects to Identify Possible Aggressions
 - 4.14.3. Relevant Aspects to Identify Possible Aggressors
- 4.15. Natural and Violent Pathology in Relation to Work
 - 4.15.1. Common Disease
 - 4.15.2. Professional Disease
 - 4.15.3. Occupational Disease
 - 4.15.4. Common Accidents
 - 4.15.5. Occupational Accidents
- 4.16. Causal Links in the Production of Injuries
- 4.17. Contents of the Medical Report to Aid the Courts

Module 5. Damage Assessment

- 5.1. Appraisal and Valuation
 - 5.1.1. Delimitation of Terms
 - 5.1.2. Expert Appraisal
 - 5.1.3. Expert Appraisal
- 5.2. Basic National Regulations BORRAR
 - 5.2.1. Organic Law 6/1985, July 1, 1985, on Judicial Power
 - 5.2.2. Law 1/2000, January 7, 2000, on Civil Procedure BORRAR
 - 5.2.3. Criminal Procedure Law of 1982 BORRAR
 - 5.2.4. Law 1/1996, January 10, 1996, on Free Legal Aid BORRAR
- 5.3. Judicial and Extrajudicial Evidence
 - 5.3.1. Concept of Proof
 - 5.3.2. Means of Proof
 - 5.3.3. Types of Proof
 - 5.3.4. Fields of Action
 - 5.3.5. Time at which the Expert Evidence is Requested
 - 5.3.6. Proof Practice
- 5.4. The Experts
 - 5.4.1. Concept
 - 5.4.2. Types of Experts
 - 5.4.3. Procedure for the Appointment of Experts
 - 5.4.4. Conditions to be met by an Expert
 - 5.4.5. Expert Fees
- 5.5. Expert Assessment
 - 5.5.1. Assessment
 - 5.5.2. Expert Examination
 - 5.5.3. Judicial Expert Opinions and Reports
 - 5.5.4. Evaluation of Expert Evidence
 - 5.5.5. Performance of the Experts at the Trial or Hearing
- 5.6. Legislation
 - 5.6.1. Operation and Legislation
 - 5.6.2. Code of Ethics of the Judicial Expert

- 5.7. Responsibility
 - 5.7.1. Concept
 - 5.7.2. Types
 - 5.7.3. Civil Liability Insurance
- 5.8. Preparation of Report/Opinion
 - 5.8.1. Characteristics and Structure
 - 5.8.2. Requirements
 - 5.8.3. Advice
- 5.9. Evaluation of Expert Evidence
 - 5.9.1. Concept
 - 5.9.2. Evaluation of Evidence by Judges and Tribunals
- 5.10. Appraisals
 - 5.10.1. Medico-legal
 - 5.10.2. Psychological Techniques/Tactics

Module 6. Investigating Accidents

- 6.1. Traffic Accidents
 - 6.1.1. Concept
 - 6.1.2. Phases
 - 6.1.3. Vehicle Classification
 - 6.1.4. Accident Classification
- 6.2. Elements Involved
 - 6.2.1. Concept
 - 6.2.2. Roads or Paths
 - 6.2.3. The People
 - 6.2.4. Environment.
 - 6.2.5. Intensity
- 6.3. Accident Reconstruction
 - 6.3.1. Accident Analysis
 - 6.3.2. Reconstruction Procedure
 - 6.3.3. Objectives
 - 6.3.4. Physical Principles
 - 6.3.5. Simple Sliding

- 6.3.6. Calculation of Speed from Sliding
- 6.3.7. Physical Fundamentals Applicable to Vehicle Crashes
- 6.3.8. Collision Elasticity
- 6.3.9. Speed Assessment
- 6.3.10. Kinematic Sequences
- 6.3.11. Graphical Representations
- 6.3.12. Impact Speed Estimation Methods
- 6.4. Claims Fraud
 - 6.4.1. Concept
 - 6.4.2. Fraud Analysis
 - 6.4.3. Types of Fraud
 - 6.4.4. Role of Forensic Medicine in Accidents
- 6.5. Damage Assessment System
 - 6.5.1. General Criteria
 - 6.5.2. Indemnifications
 - 6.5.3. Secuelas
 - 6.5.4. Temporary Injuries

Module 7. Forensic Sexology

- 7.1. Crimes Against Sexual Freedom and Indemnity
 - 7.1.1. Concept
 - 7.1.2. Classification
- 7.2. Pregnancy and Abortion
 - 7.2.1. Concept
 - 7.2.2. Typology
 - 7.2.3. Issues of Interest to the Courts
- 7.3. Physiological Birth Diagnosis
 - 7.3.1. Concept
 - 7.3.2. Issues of Interest to the Courts
- 7.4. Sex Diagnosis
 - 7.4.1. Concept
 - 7.4.2. Issues of Interest to the Courts
 - 7.4.3. Update on Gender Dysphoria

- 7.5. Sexual Dysfunctions
 - 7.5.1. Concept
 - 7.5.2. Classification
- 7.6. Medical - Forensic Aspects of Personality Disorders I
 - 7.6.1. Classification
 - 7.6.2. Diagnosis
- 7.7. Medical - Forensic Aspects of Personality Disorders II
 - 7.7.1. Classification
 - 7.7.2. Diagnosis

Module 8. Criminalistics

- 8.1. Evidence at the Scene
 - 8.1.1. Biological Evidence
 - 8.1.2. Non-Biological Evidence
 - 8.1.3. Sample Collection
 - 8.1.4. Chain of Custody
 - 8.1.5. Classification
- 8.2. Study of Footprints
 - 8.2.1. Classification
 - 8.2.2. Sample Collection
 - 8.2.3. Methodology
- 8.3. Bloodstain Investigation
 - 8.3.1. Classification
 - 8.3.2. Sample Collection
- 8.4. Other Biological Stains
 - 8.4.1. Classification
 - 8.4.2. Sample Collection
- 8.5. Forensic Genetics
 - 8.5.1. Classification
 - 8.5.2. Collecting Samples for the Laboratory

Module 9. Criminology

- 9.1. Introduction
 - 9.1.1. Subject's Personality
- 9.2. Normality vs. Abnormality
 - 9.2.1. Zuckerman
 - 9.2.2. Eysenck
 - 9.2.3. Cloninger
- 9.3. Personalities
 - 9.3.1. Social Personality
 - 9.3.2. Deviant Personality
 - 9.3.3. Antisocial Personality
- 9.4. Components of the Antisocial Personality
 - 9.4.1. Egocentrism
 - 9.4.2. Aggressiveness
 - 9.4.3. Lability
 - 9.4.4. Emotional Indifference
- 9.5. Principles and Levels of Criminological Interpretation
 - 9.5.1. Origin of Criminology
 - 9.5.1.1 Definitions of Interest
 - 9.5.2. Personality Criminology
 - 9.5.2.1. Concept
 - 9.5.3. Clinical Criminology
 - 9.5.3.1. Concept
 - 9.5.4. Developmental Criminology
 - 9.5.4.1. Concept
 - 9.5.5. Interpretation Levels
 - 9.5.5.1. Behavioral Level
 - 9.5.5.2. Individual Level
 - 9.5.5.3. General Level
- 9.6. Research Methods and Techniques
 - 9.6.1. Research Methods
 - 9.6.1.1. Scientific Method
 - 9.6.1.2. Positive Method
 - 9.6.1.3. Clinical Method
 - 9.6.1.4. Historical Method
 - 9.6.1.5. Experimental Method
 - 9.6.1.6. Statistical Method
 - 9.6.1.7. Sociological Method
 - 9.6.2. Research Techniques
 - 9.6.2.1. Exploration
 - 9.6.2.2. Observation
 - 9.6.2.3. Victimization
 - 9.6.2.4. Social Survey
 - 9.6.2.5. Criminological Interview
 - 9.6.2.5.1. Phases of the Interview
 - 9.6.2.6. Criminological Examinations
- 9.7. Criminogenic Factors
 - 9.7.1. Concept
 - 9.7.1.1. Criminogenic Cause
 - 9.7.1.2. Criminogenic Factors
 - 9.7.1.3. Criminogenic Motive
 - 9.7.2. Exogenous Criminogenic Factors
 - 9.7.2.1. Physical
 - 9.7.2.2. Family
 - 9.7.2.3. Social
 - 9.7.3. Endogenous Criminogenic Factors
 - 9.7.3.1. Somatics
 - 9.7.3.2. Cognitive

07

Clinical Internship

After passing the online academic period, this program includes practical training in the facilities of a renowned hospital center. In this way, the physician will have the best resources and experts to complement his or her learning from the best assistance and technological resources in the healthcare panorama.





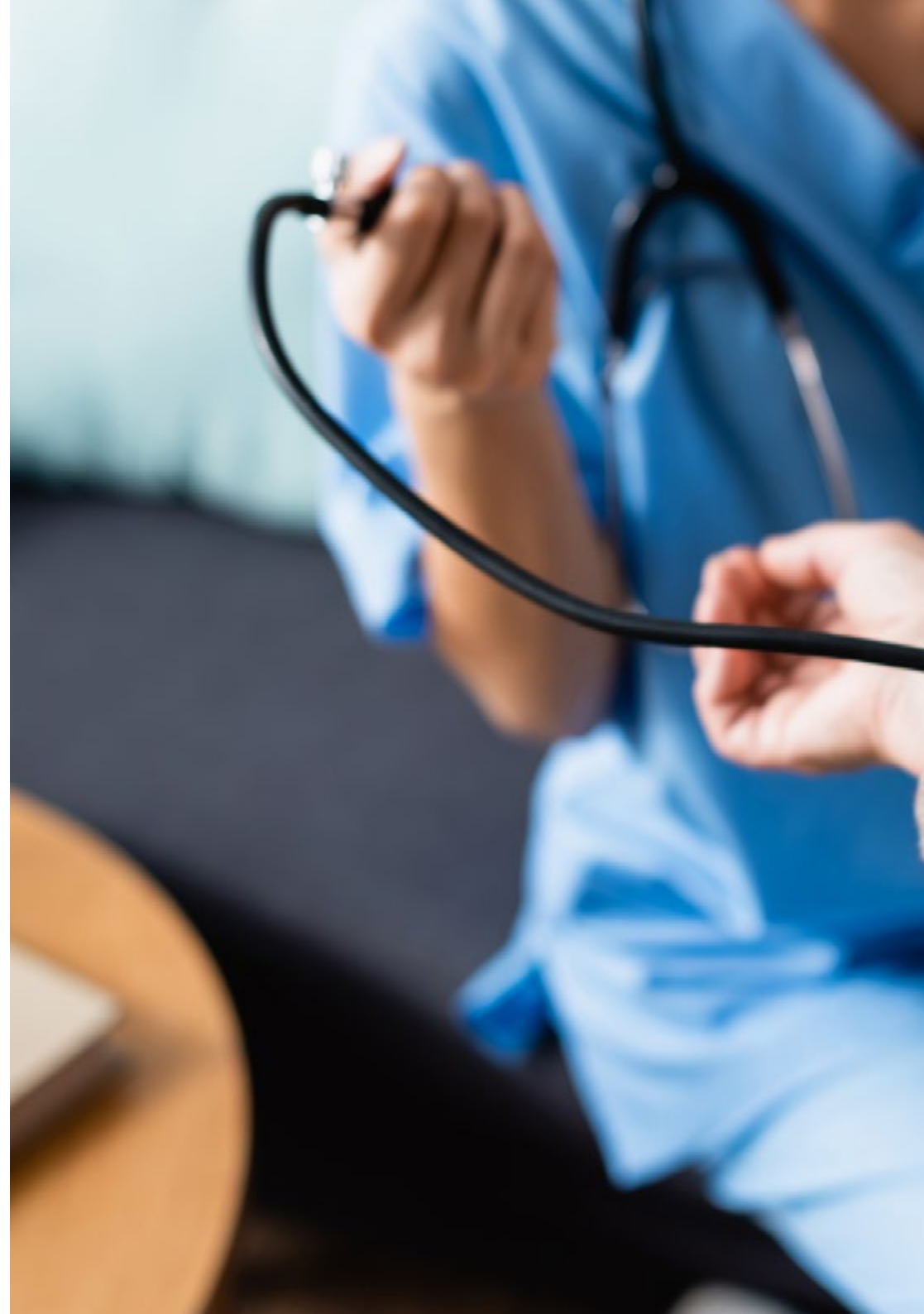
“

Complete this Hybrid Professional Master's Degree with a clinical practice of excellence, in a hospital center equipped to evaluate specific body conditions and proceed to the medical expertise of patients who require it"

This program is designed for 3 weeks of practical training to learn in situ the latest techniques and technological tools related to Medical Expertise and Bodily Injury Assessment. Thus, the physician will be able to choose specific international health institutions where they will be able to carry out a rigorous, intensive and face-to-face stay.

In this way, the specialist will work together with great experts in this field, who will transmit their experiences to solve different health problems. Likewise, you will have a designated tutor who, through the assignment of complex tasks, will contribute to the development of practical skills that are fully updated and in line with the latest scientific evidence.

The practical part will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for the practice of medicine (learning to be and learning to relate).



The procedures described below will form the basis of the practical part of the internship, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

Module	Practical Activity
Modern techniques for the expert evaluation of bodily injury	Determine, by histological and microscopic analysis techniques, the causes of soft tissue injuries.
	Compare injuries with objects or instruments that could have caused them, as a traceability exercise
	Combining the study of mechanics and biology to analyze traumatic injuries
	Study the forces and consequences that generate a traumatic event through the analysis of injury kinetics
	Evaluate body injuries and determine the cause of the accident by means of Impact Dynamics Analysis that measures velocity and direction of impacts
	Use technologies such as Computed Tomography and Magnetic Resonance Imaging to measure the extent of lesions in the body
Latest innovations in criminalistics and criminology	Analyze surveillance images and videos for clues and to automate repetitive investigative tasks for automobile accidents using Artificial Intelligence
	Examine low-quantity or degraded DNA to obtain results from very small or poorly conditioned samples
	Identify individuals based on their microbiome using specific techniques to collect this aspect of DNA
	Using neurocriminology to study the biological and neurological causes of delinquency
Medical advances in Forensic Sexology	Determine, by analyzing minute traces, the linkage of specific individuals to crime scenes or objects extracted from them
	Implement the most up-to-date understanding protocols on underlying causes of illnesses and injuries, for better investigation of cause of death in homicide or under suspicion cases
	The implementation of electron microscopy and spectroscopy has allowed the identification of spermatozoa in increasingly smaller samples

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Hybrid Professional Master's Degree, students will be assigned two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the professional will be accompanied at all times and will be able to consult any doubts that may arise, both of a practical and academic nature.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students do not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

08

Where Can I Do the Clinical Internship?

The internships provided by this Hybrid Professional Master's Degree will take place in a center of great prestige in relation to the techniques of Medical Expertise and Valuation of Bodily Injury. During this on-site stay, the specialist will apply first-level competencies, the theoretical mastery of which was achieved during the initial phase of the program. At the same time, you will have access to real patients, under the strict and rigorous guidance of renowned experts. The entire academic process will take place over 3 intensive weeks in a face-to-face and immersive manner.




“

TECH will put at your disposal centers of global prestige where you will broaden your competences regarding Medical Expertise and Bodily Injury Assessment in the hospital environment"

tech 40 | Where Can I Do the Clinical Internship?



The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:



Medicine

Grupo Valora


Country	City
Spain	Seville

Address: Avda. República Argentina
35a-3º 41011 Sevilla

-Medical Expertise and Valuation

Related internship programs:
Medical Expertise and
Bodily Injury Assessment





Clínica Espasana

Country	City
Spain	Alicante

Address: C/ Poeta Hassan,
Rasid, nº1, 03400 Villena, Alicante

Clínica Espasana is a polyclinic center with a wide variety of specialties.

Related internship programs:

- Diagnosis in Physiotherapy
- Physiotherapy in Primary Care



Make the most of this opportunity to surround yourself with expert professionals and learn from their work methodology"

09

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



“

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



10 Certificate

The Hybrid Professional Master's Degree in Medical Expertise and Bodily Injury Assessment guarantees students, in addition to the most rigorous and up-to-date education, access to a Professional Master's Degree diploma issued by TECH Global University.



“

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”

This program will allow you to obtain your **Hybrid Professional Master's Degree certificate in Medical Expertise and Bodily Injury Assessment** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Hybrid Professional Master's Degree in Medical Expertise and Bodily Injury Assessment**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Global University**

Recognition: **60 + 5 ECTS Credits**



*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future

health

confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech global
university

personalized service innovation

knowledge present

online treatment
Medical Expertise and Bodily
Injury Assessment

development languages

virtual classroom

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 5 ECTS Credits

Hybrid Professional Master's Degree

Medical Expertise and Bodily
Injury Assessment