

Hybrid Professional Master's Degree

Legal and Forensic Medicine



Hybrid Professional Master's Degree Legal and Forensic Medicine

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

Credits: 60 + 4 ECTS

Website: www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-legal-forensic-medicine

Index

01

Introduction

p. 4

02

Why Study this Hybrid
Professional Master's Degree?

p. 8

03

Objectives

p. 12

04

Skills

p. 16

05

Course Management

p. 20

06

Structure and Content

p. 24

07

Clinical Internship

p. 34

08

Where Can I Do the Clinical
Internship?

p. 40

09

Methodology

p. 44

10

Certificate

p. 52

01

Introduction

The integration of advanced imaging technologies in forensic medicine has revolutionized the way autopsies and postmortem evaluations are performed. For example, instruments such as Computed Tomography or Magnetic Resonance Imaging have enabled practitioners to perform virtual autopsies, providing detailed images of the interior of the body without the need for invasive dissection. Given this situation, it is vital that professionals stay at the forefront of the most innovative technological tools to solve criminal cases. In this context, TECH launches an avant-garde university program focused on this subject that will help specialists to master the most sophisticated scientific methodologies to clarify the causes of death.



“

Thanks to this Hybrid Professional Master's Degree, you will analyze the physical and biological evidence in a meticulous way. You will contribute to solving the most complex criminal cases!”

The intersection between Psychiatry and the judicial system has given rise to the specialty of Forensic Psychiatry, a crucial discipline for the evaluation of the mental competence of defendants. According to a recent study, approximately 55% of criminal cases require psychiatric evaluations to determine the defendants' competency to stand trial. In the face of this, professionals play a key role in the proper assessment of mental competency. Therefore, it is necessary for these specialists to incorporate into their procedures the most advanced methodologies to help determine the psychological capacity and legal responsibility of individuals involved in legal cases.

Within this framework, TECH presents a pioneering Hybrid Professional Master's Degree in Legal and Forensic Medicine. Under a theoretical-practical approach, the academic itinerary will delve into aspects ranging from Thanatology or Forensic Pathology to the Evaluation of Damage. In this way, graduates will develop advanced skills to analyze evidence in a precise manner. At the same time, the syllabus will provide experts with skills in the collection, preservation and evaluation of evidence at crime scenes. In this way, professionals will perform detailed autopsies that will determine the cause of death and contribute to the clarification of criminal cases.

Moreover, TECH has developed an academic pathway based on flexibility. The only thing doctors will need is an electronic device with Internet access to enter the Virtual Campus and enjoy the most dynamic academic content on the market. In addition, this virtual platform offers a library full of multimedia resources (such as interactive summaries, case studies or specialized readings) to strengthen learning and ensure that it is enjoyable.

This **Hybrid Professional Master's Degree in Legal and Forensic Medicine** 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 professionals in Legal and Forensic Medicine
- ♦ 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
- ♦ It contains practical exercises where the self-evaluation process is carried out to improve the learning process
- ♦ Algorithm-based interactive learning system for decision making in the situations that are presented to the student
- ♦ With special emphasis on evidence-based Medicine and research methodologies in Forensic and Legal Medicine
- ♦ 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
- ♦ In addition, they will be able to complete a clinical internship at distinguished institutions



You will be highly qualified to interpret DNA evidence and apply this information to identify victims"

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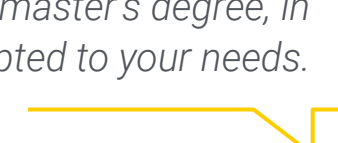
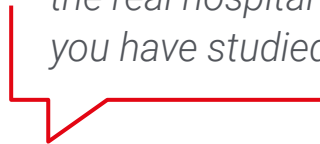
After passing the theoretical phase, you will carry out an intensive 3-week internship in a prestigious institution, where you will acquire all the knowledge you need to take a leap in your career as a Forensic Physician”

In this proposed hybrid professional master's degree, of a professionalizing nature and blended mode, the program is aimed at updating medical professionals in the field of Legal and Forensic Medicine. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge in 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 elaborated with the latest educational technology, they will allow Legal and Forensic Medicine professionals to obtain a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to specialize in real situations. This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

This Hybrid Professional Master's Degree allows you to practice first in simulated environments, which provide immersive learning and then in the real hospital environment, testing everything you have studied.

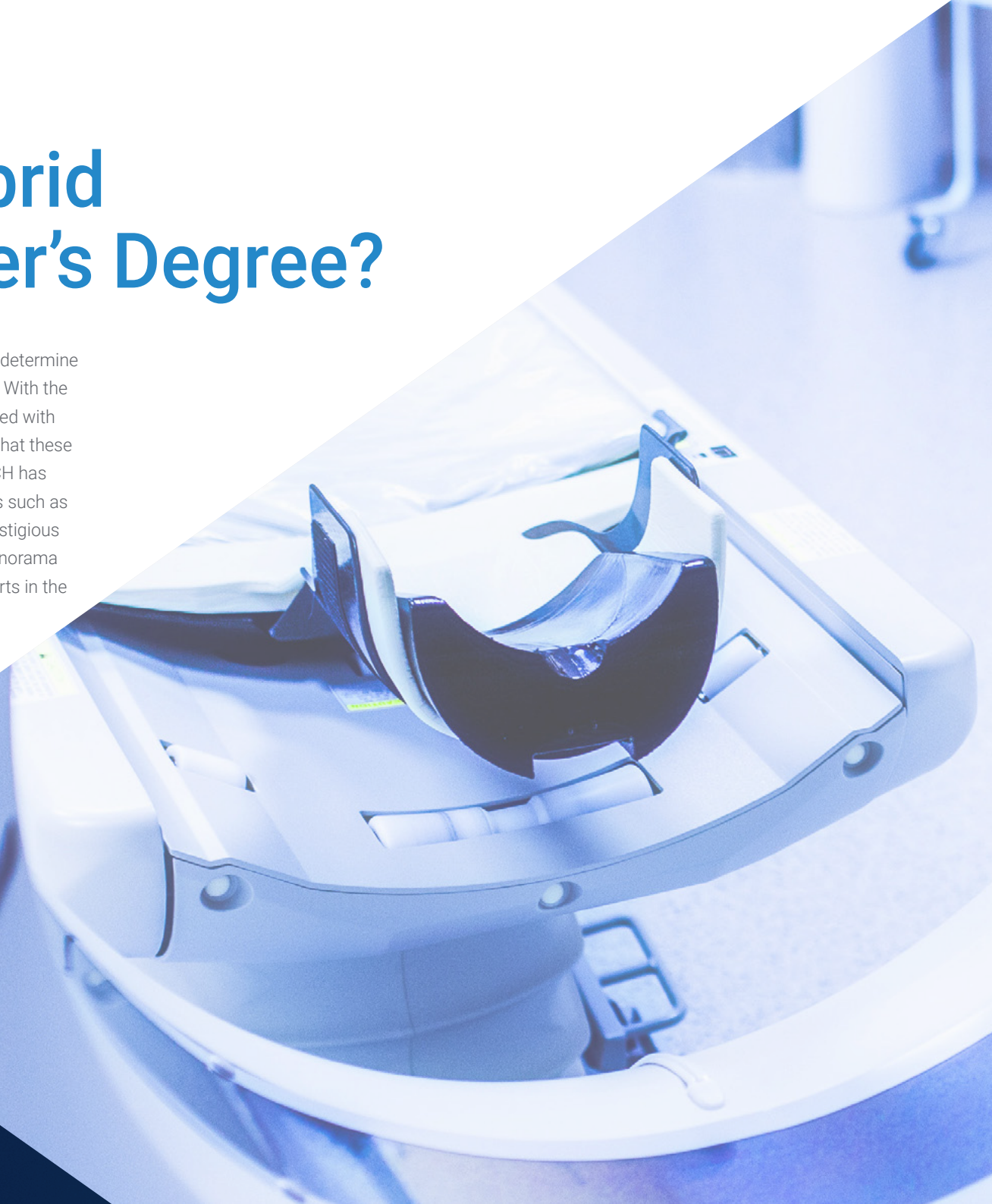
Update your knowledge through this theoretical and practical master's degree, in a practical way and adapted to your needs.



02

Why Study this Hybrid Professional Master's Degree?

Forensic doctors play an essential role in the investigation of crimes, as they help determine the cause of death, identify the perpetrators and provide crucial evidence in court. With the advancement of new technologies, the field of Forensic Medicine has been enriched with tools that facilitate the resolution of complex cases. In view of this, it is essential that these specialists acquire the skills to make the most of these tools. For this reason, TECH has created this pioneering program, which combines the most recent update in areas such as Forensic Thanatology, Criminalistics or Anthropology with a practical stay in a prestigious institution. Therefore, specialists will get a complete vision of the most current panorama in Legal and Forensic Medicine, being guided throughout the process by real experts in the field.



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TECH offers you a unique Hybrid Professional Master's Degree that will help you, in just 12 months, to make a leap in your career as a Forensic Physician”

1. Updating from the latest technology available

New technologies have completely revolutionized the field of Forensic Medicine, providing advanced tools that improve accuracy and efficiency in solving complex cases.

An example of this is DNA sequencing, which allows the identification of both suspects and victims. In this context, TECH presents this Internship Program, with which professionals will enter a cutting-edge environment, accessing the latest technology in this field.

2. Gaining in-depth knowledge from the experience of top specialists

During their practical stay, graduates will have the support of a group of experts in Legal and Forensic Medicine, which implies a guarantee of unprecedented updating. In addition, a specially appointed tutor will guide them throughout the process to ensure the success of the internship and the acquisition of skills that will allow them to experience a leap in quality in their career.

3. Entering first-class clinical environments

In its priority to offer the best practical experiences, TECH carefully chooses the centers available for the internships. Thanks to this effort, graduates will have the opportunity to access prestigious institutions in the field of Legal and Forensic Medicine.

In this way, they will be able to experience the day to day of a demanding, rigorous and exhaustive area of work, always applying the latest scientific techniques in their work methodology.





4. Combining the best theory with state-of-the-art practice

TECH presents an innovative academic proposal, which combines theoretical preparation with a 100% practical stage, where professionals will increase their knowledge in 12 months, with the quality demanded. In this same line, the itinerary includes a 3-week on-site stay in a real working entity that will allow them to work directly with multidisciplinary professionals.

5. Expanding the boundaries of knowledge

This Hybrid Professional Master's Degree is an excellent opportunity for graduates to obtain an efficient update of their skills, together with a first-class environment in the area of Legal and Forensic Medicine. Undoubtedly, this immersive experience will allow forensic doctors to optimize their clinical practice and expand their career prospects considerably.

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

03 Objectives

This Hybrid Professional Master's Degree will provide practitioners with a holistic understanding of the fundamental principles of the field of Legal and Forensic Medicine. In this sense, professionals will incorporate into their practice the most sophisticated forensic investigation methodologies for the collection, preservation and analysis of medical evidence in judicial contexts. In addition, graduates will develop skills to interpret laboratory test results that contribute to the resolution of judicial cases.





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You will incorporate the most innovative scientific research methodologies for collecting biological evidence at crime scenes into your daily practice”

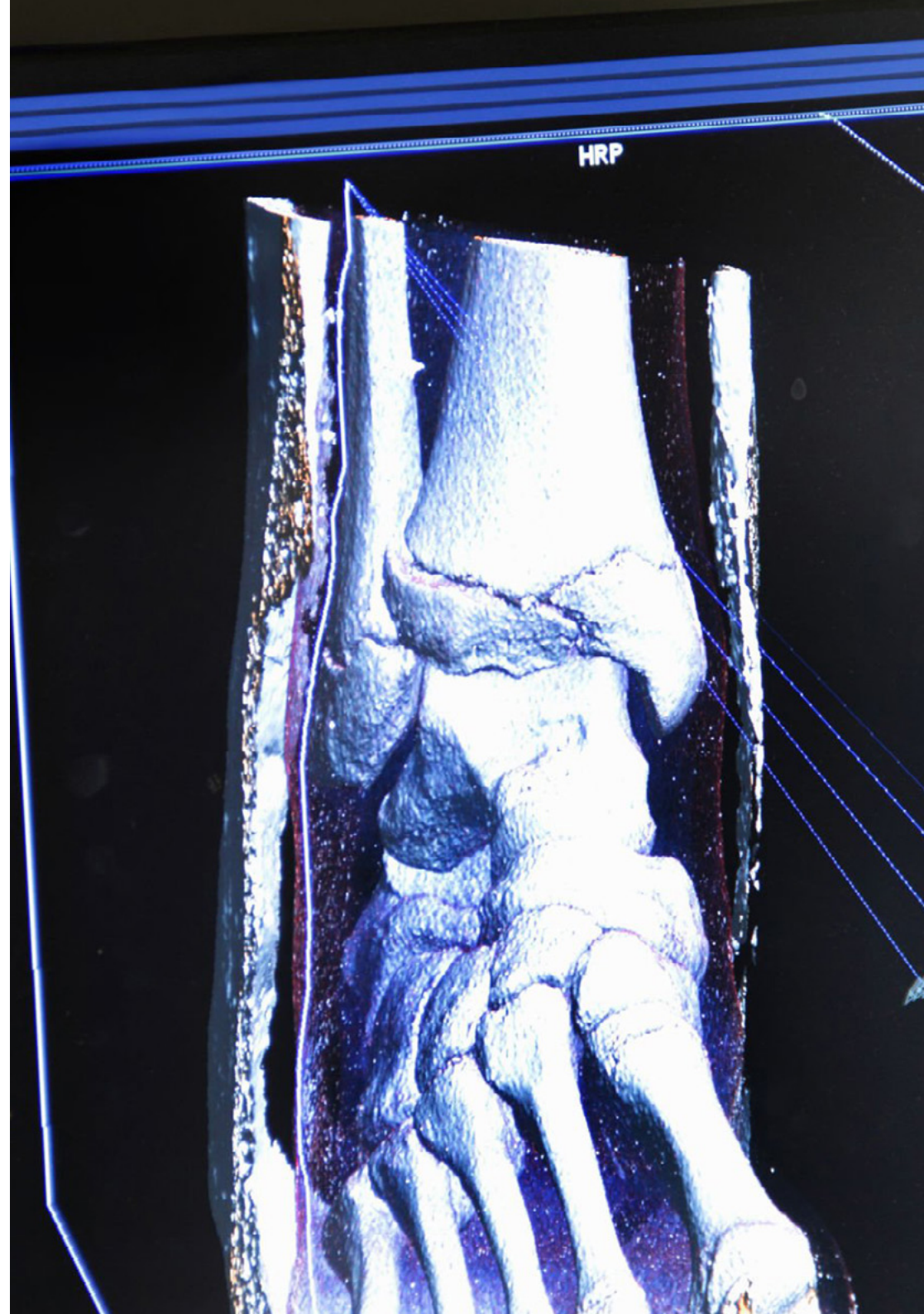


General Objective

- ♦ Through this Hybrid Professional Master's Degree in Forensic and Legal Medicine, physicians will handle the most cutting-edge strategies to perform detailed autopsies. In this way, specialists will be able to determine the causes and manners of deaths. Likewise, professionals will stand out for their solid understanding in areas such as Forensic Pathology, Thanatology or Psychiatry, among others. As a result, experts will be equipped with the necessary tools to overcome all the challenges in this rapidly expanding field



You will have the support of TECH, the largest online academic institution in the world with the latest educational technology at your disposal"





Specific Objectives

Module 1 Update

- ♦ Define the current investigative techniques used in Forensic Medicine
- ♦ Know the latest advances in medical expert evidence in different fields of law

Module 2 Forensic Thanatology

- ♦ Handle the mechanisms of death
- ♦ Handle the latest tools in the performance of criminal judicial autopsy and civil judicial autopsy

Module 3 Forensic Pathology I

- ♦ Analyze wounds caused by bladed weapons
- ♦ Examine firearm wounds

Module 4 Forensic Pathology II

- ♦ Define the relevant aspects for the identification of possible aggressions
- ♦ Explain the mechanism of the most common vehicular traffic accident injuries

Module 5 Forensic Sexology

- ♦ Define the nature of offenses against sexual freedom and indemnity
- ♦ Learn about issues of interest to the courts in pregnancy and abortion

Module 6 Forensic Toxicology

- ♦ Describe the forensic medical aspects of opiate and cocaine related disorders
- ♦ Define the forensic medical aspects of disorders related to cannabis and other drugs

- ♦ Identify the toxicokinetics of herbicides and how to treat cases of acute intoxication
- ♦ Explain the toxicokinetics of pyrethroids and insect repellents and how to treat cases of acute intoxication

Module 7 Forensic Psychiatry

- ♦ Define the different personality types of subjects
- ♦ Describe the components of the antisocial personality
- ♦ Explain how to deal with Post-Traumatic Stress Disorder
- ♦ Define the medical-forensic aspects of personality disorders

Module 8 Damage Assessment

- ♦ Establish the bases of the methodology in the damage assessment
- ♦ Delve into the keys of the realization of the medical report in the damage assessment

Module 9 Forensic Anthropology

- ♦ Define the parameters for determining aspects of the subject according to forensic anthropology
- ♦ Perform an odontological identification in children and adults

Module 10 Criminalistics

- ♦ Define the process for conducting Criminological Examinations
- ♦ Understand the process of evidence collection at crime scenes
- ♦ Sample and investigate bloodstains found in different environments and on different surfaces

04 Skills

With this Hybrid Professional Master's Degree, professionals will perform detailed autopsies, accurately documenting findings and determining the cause of death. In this sense, graduates will acquire advanced competencies in both assessing and quantifying physical and psychological damage in crime victims. In turn, specialists will be able to analyze toxic substances (such as drugs) in biological samples.





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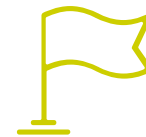
*You will handle the most innovative techniques
for analyzing physical and biological evidence”*



General Skills

- Know how to 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, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments
- Know how to communicate conclusions, knowledge, and supporting arguments 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





Specific Skills

- ◆ Expand general knowledge about this branch of medicine
- ◆ Develop expertise in the medical/thanatological concepts of forensic science
- ◆ Conduct a study that allows the professional to acquire the necessary knowledge to be able to identify any type of sexual injury at a forensic level
- ◆ Define the types of intoxication and substances susceptible to be treated in forensic science
- ◆ Describe the disorders, personalities, and legal aspects of forensic psychiatry
- ◆ Recognize the Stages of Evidence and Crime Scenes

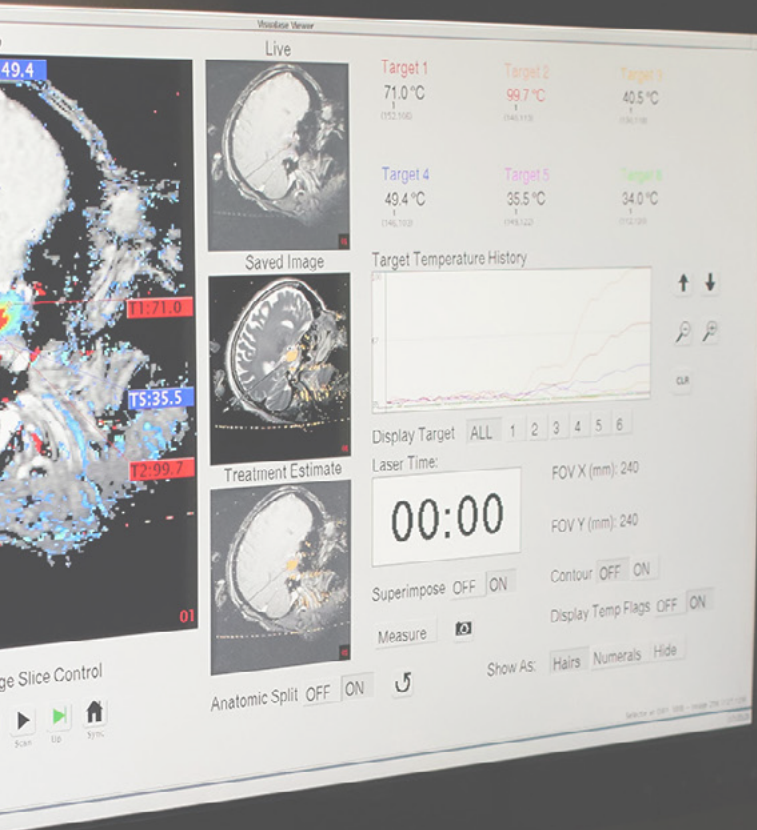
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You will be able to perform and interpret DNA tests to identify victims and solve cases”

05 Course Management

TECH's philosophy is to offer the most complete and renewed programs in the market. For this reason, it carries out a rigorous process to form its teaching staff. Thanks to this, this Hybrid Professional Master's Degree has the participation of leading experts in Legal and Forensic Medicine. These professionals have a wide working background, where they have contributed to clarify the causes of death of numerous victims. In this way, they have developed a myriad of didactic materials defined by their high quality. Therefore, graduates have the guarantees they demand to embark on an experience that will significantly raise their professional horizons.





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Delve into the most relevant theory in this field, subsequently applying it in a real work environment"

Management



Dr. Pinto Pastor, María del Pilar

- ♦ Member of the Francisco Vallés Institute of Clinical Ethics.
- ♦ Researcher of the Department of Forensic Medicine, Psychiatry and Pathology of the Complutense University of Madrid
- ♦ Member of the Bioethics and Health Law Committee of Asisa-Lavinia
- ♦ 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

Professors

Dr. Delgado Arnaiz, Cristina

- ♦ Specialist Physician at the Alcorcón Foundation University Hospital
- ♦ 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
- ♦ Professor 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. García Martín, Ángel F.

- ♦ Expert in Forensic Medicine and Forensic Sciences
- ♦ Researcher of the Department of Forensic Medicine, Psychiatry and Pathology of the Complutense University of Madrid
- ♦ Doctor of Medicine and Surgery, from the Complutense University of Madrid.
- ♦ Member of the Spanish Society of Legal Psychiatry

Dr. Santiago Sáez, Andrés S.

- ♦ Chief of the Service of Forensic Medicine at the San Carlos Clinical Hospital
- ♦ President of the Functional Health Risk Unit at the San Carlos Clinical Hospital
- ♦ Deputy Director of the School of Legal and Forensic Medicine of the Complutense University of Madrid
- ♦ Doctor of 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: Committee of the Forensic Medicine and Health Care Ethics Committee Journal of the San Carlos Clinical Hospital

Dr. Liaño Riera, Miryam

- ♦ 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 of the Department of Legal Medicine, Psychiatry and Pathology of the Faculty of Medicine from the Complutense University of Madrid
- ♦ Professor at the School of Legal and Forensic Medicine of Madrid.
- ♦ Expert collaborator with the School of Forensic Medicine UCM.
- ♦ Doctorate in Medicine and Surgery from the UAM.
- ♦ Master's Degree in Health Law and Bioethics from the UCLM

Dr. Olivares Pardo, Enrique

- ♦ Specialist in Legal and Forensic Surgery and Medicine
- ♦ Plastic Surgeon at Niño Jesús University Hospital
- ♦ Specialized 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 of the Faculty of Medicine at the Complutense University of Madrid
- ♦ Doctorate in Surgery from the University of Alcalá
- ♦ Degree in Medicine from the Complutense University of Madrid.
- ♦ Specialist in Legal and Forensic Medicine from the School of Forensic Medicine from the Complutense University of Madrid
- ♦ Specialist in Plastic, Reconstructive and Aesthetic Surgery by Ramón y Cajal University Hospital



The teaching staff will provide you with personalized advice and will answer any questions you may have during the course of the program"

06

Structure and Content

This itinerary has been elaborated by recognized experts in Legal and Forensic Medicine, who bring to the didactic materials both their solid knowledge of this subject and years of professional experience. Through 10 specialized modules, the program will provide specialists with the most sophisticated techniques to identify toxic substances in the human body. Likewise, the syllabus will delve into the changes that occur in the body after death. Therefore, graduates will be able to estimate the time of death. In addition, they will acquire the skills to write detailed reports that can be used in legal proceedings.





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You will incorporate into your daily practice the most innovative techniques of evidence collection, preservation and analysis”

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. Generalities
 - 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. Production Mechanism
- 2.8. Dehydration, Lividity, and Hypostasis
 - 2.8.1. Production Mechanism
- 2.9. Stiffness and Spasms
 - 2.9.1. Production Mechanism
- 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. Production Mechanism
- 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 Defense
- 3.11. Stab Wounds
 - 3.11.1. Types of Wounds
 - 3.11.2. Production Mechanism
- 3.12. Gunshot Wounds
 - 3.12.1. Types of Wounds
 - 3.12.1.1. Entry Wounds
 - 3.12.1.2. Exit Wounds
 - 3.12.1.3. Production Mechanism
- 3.13. Electrical Injuries
 - 3.13.1. Concept
 - 3.13.2. Production Mechanism
- 3.14. Cold, Radiation, and Atmospheric Pressure Injuries
 - 3.14.1. Concept
 - 3.14.2. Classification
 - 3.14.3. Production Mechanism
- 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. Forensic Sexology

- 5.1. Crimes Against Sexual Freedom and Indemnity
 - 5.1.1. Concept
 - 5.1.2. Classification
- 5.2. Pregnancy and Abortion
 - 5.2.1. Concept
 - 5.2.2. Typology
 - 5.2.3. Issues of Interest to the Courts
- 5.3. Physiological Birth Diagnosis
 - 5.3.1. Concept
 - 5.3.2. Issues of Interest to the Courts
- 5.4. Sex Diagnosis
 - 5.4.1. Concept
 - 5.4.2. Issues of Interest to the Courts
 - 5.4.3. Update on Gender Dysphoria
- 5.5. Sexual Dysfunctions
 - 5.5.1. Concept
 - 5.5.2. Classification

Module 6. Forensic Toxicology

- 6.1. Introduction
 - 6.1.1. Etiology
 - 6.1.2. Mechanisms
- 6.2. Gas and Vapor Poisoning
 - 6.2.1. Concept
 - 6.2.2. Classification
 - 6.2.3. Diagnosis
- 6.3. Poisoning by Caustics, Metals, and Derivatives
 - 6.3.1. Concept
 - 6.3.2. Classification
 - 6.3.3. Diagnosis
- 6.4. Alcohol and Solvent Poisoning
 - 6.4.1. Concept
 - 6.4.2. Classification
 - 6.4.3. Diagnosis

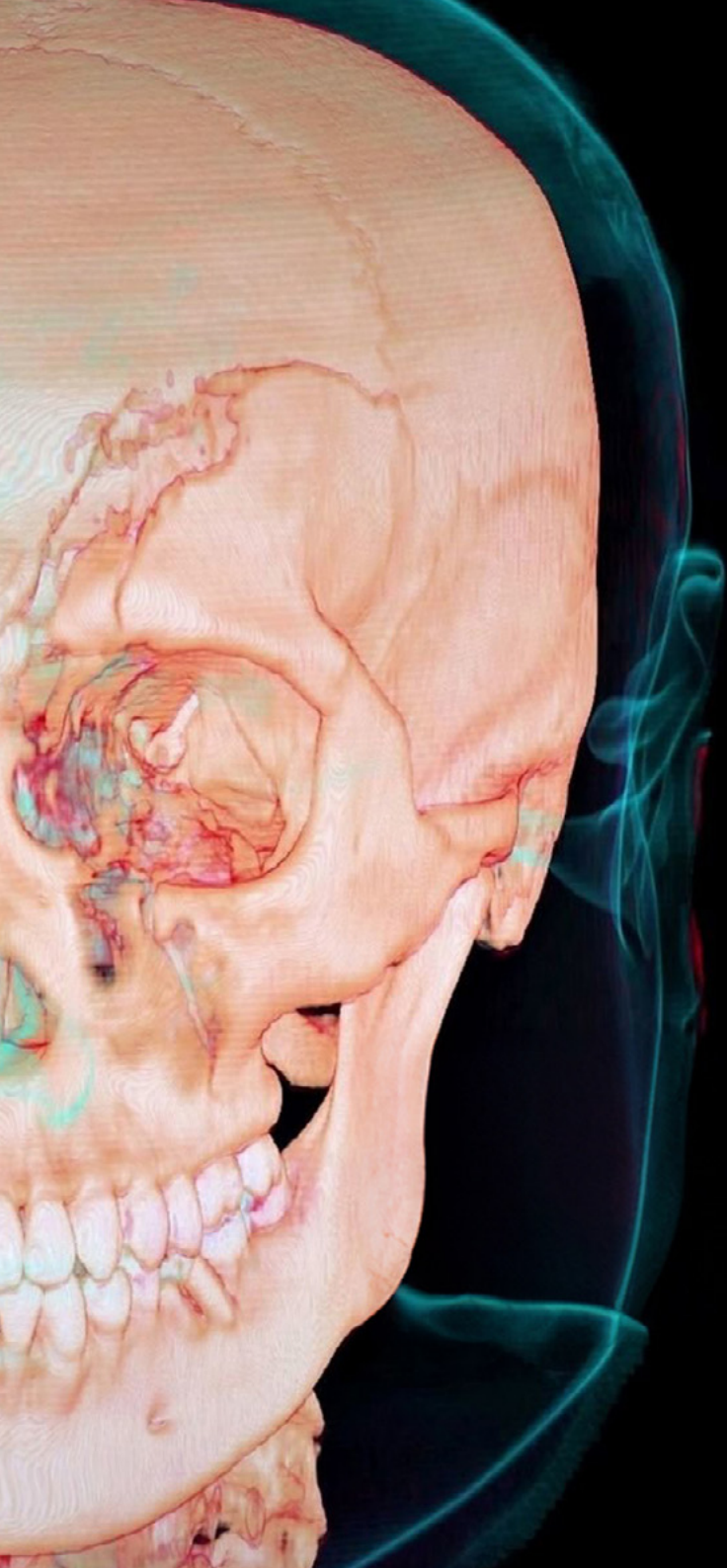
- 6.5. Pesticide Poisoning
 - 6.5.1. Concept
 - 6.5.2. Classification
 - 6.5.3. Diagnosis
- 6.6. Drug, Food, Mushroom, and Venom Poisoning
 - 6.6.1. Concept
 - 6.6.2. Classification
 - 6.6.3. Diagnosis
- 6.7. Autopsies in Poisoning Deaths
 - 6.7.1. Concept
 - 6.7.2. Etiology
 - 6.7.3. Classification

Module 7. Forensic Psychiatry

- 7.1. Concept
 - 7.1.1. Objectives
 - 7.1.2. Application
- 7.2. Imputability
 - 7.2.1. Aspects of Legal Interest
 - 7.2.2. Criminal Law Concepts
- 7.3. Capacity to Act
 - 7.3.1. Personal Training
 - 7.3.2. Influence of External Agents
- 7.4. Medical Forensic Aspects of Developmental Disorders
- 7.5. Medical Forensic Aspects of Deliriums
 - 7.5.1. Dementia
 - 7.5.2. Amnesia
 - 7.5.3. Other Cognitive Disorders
- 7.6. Medical - Forensic Aspects of Alcohol-Related Disorders
 - 7.6.1. Alcohol Poisoning
 - 7.6.2. The Influence of Alcohol in the Blood

- 7.7. Medical - Forensic Aspects of Cocaine and Opiate-Related Disorders
 - 7.7.1. Legal Considerations on Consumption
 - 7.7.2. Identification
 - 7.7.3. Influence on the Subject
- 7.8. Medical - Forensic Aspects of Cannabis and Other Drug-Related
 - 7.8.1. Legal Considerations on Consumption
 - 7.8.2. Identification
 - 7.8.3. Influence on the Subject
- 7.9. Medical Forensic Aspects of Psychotic Disorders
 - 7.9.1. Schizophrenia
- 7.10. Medical Forensic Aspects of Psychotic Disorders
 - 7.10.1. Delusional Disorder
- 7.11. Medical Forensic Aspects of Mood Disorders
 - 7.11.1. Classification
 - 7.11.2. Diagnosis
- 7.12. Medical Forensic Aspects of Anxiety Disorders
 - 7.12.1. Post-Traumatic Stress Disorder
- 7.13. Medical Forensic Aspects of Somatoform Disorders
 - 7.13.1. Classification
 - 7.13.2. Diagnosis
- 7.14. Medical Forensic Aspects of Sexual Orientation Disorders
 - 7.14.1. Classification
 - 7.14.2. Diagnosis
- 7.15. Medical Forensic Aspects of Impulse Control Disorders
 - 7.15.1. Classification
 - 7.15.2. Diagnosis
- 7.16. Medical Forensic Aspects of Personality Disorders I
 - 7.16.1. Classification
 - 7.16.2. Diagnosis
- 7.17. Medical Forensic Aspects of Personality Disorders II
 - 7.17.1. Classification
 - 7.17.2. Diagnosis





Module 8. Damage Assessment

- 8.1. Medical Assessment of Damage to the Person
 - 8.1.1. Damage Repair
- 8.2. Medical Assessment
 - 8.2.1. Deficiency
 - 8.2.2. Disability
 - 8.2.3. Handicap
- 8.3. Medical Assessment
 - 8.3.1. Other Criminal Damages
- 8.4. Medical Assessment
 - 8.4.1. Other Civil Damages (I)
- 8.5. Economic and Patrimonial Damages
 - 8.5.1. Assessment
 - 8.5.2. Understanding the Official State Gazette (BOE)
- 8.6. Medical Assessment
 - 8.6.1. Other Civil Damages (II)
- 8.7. Medical Assessment
 - 8.7.1. Occupational Damages
 - 8.7.1.1. Classification of Accidents
 - 8.7.1.2. Occupational Risk Prevention
 - 8.7.1.3. Negligence
- 8.8. The Medical Expert's Mission in Personal Injury Appraisal
 - 8.8.1. Evaluation Guide
 - 8.8.2. BOE
- 8.9. Methodology in the Valuation of Damage
 - 8.9.1. Evaluation Guide
 - 8.9.2. BOE
- 8.10. The Medical Report in the Valuation of Damage

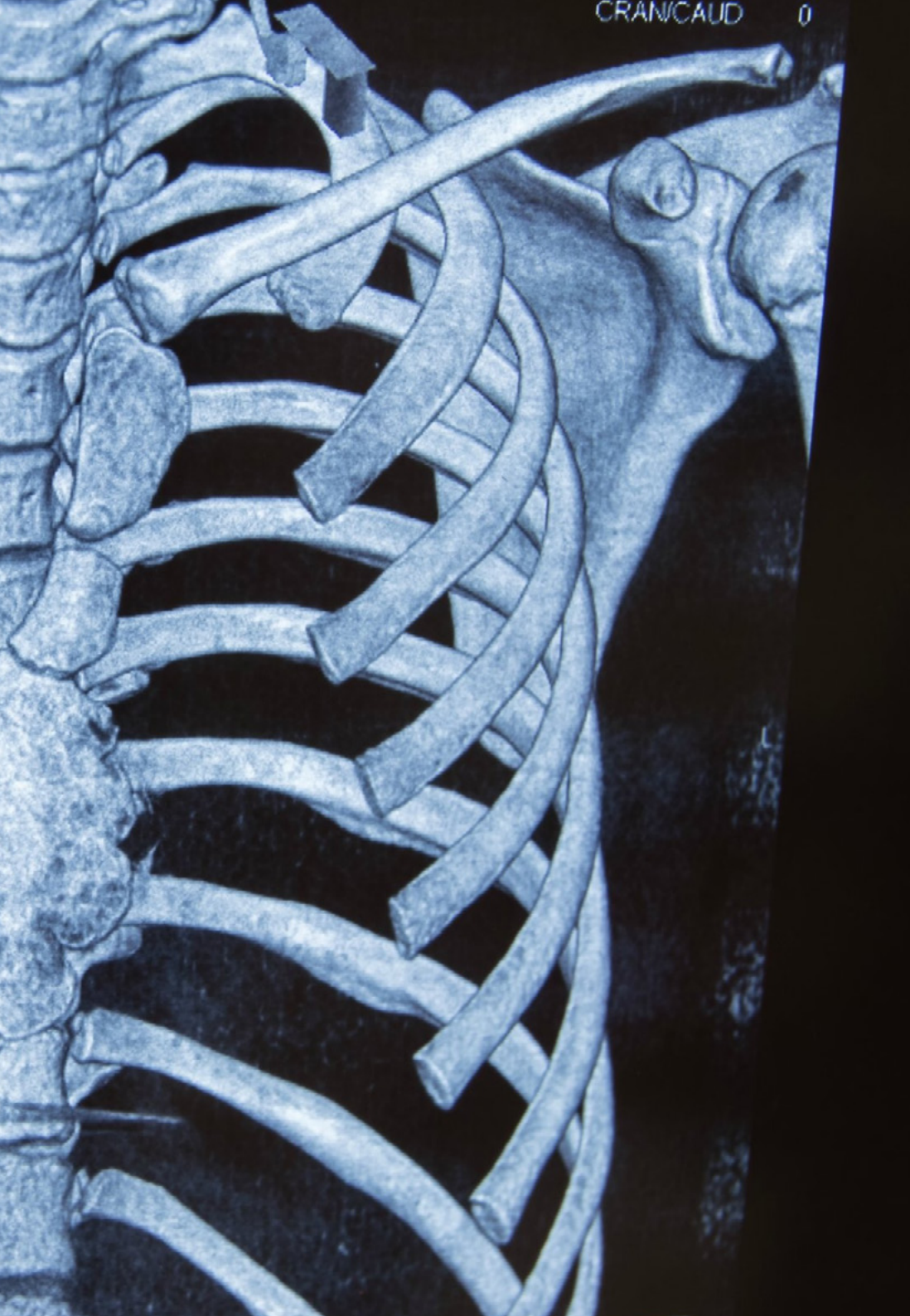
Module 9. Forensic Anthropology

- 9.1. Introduction
 - 9.1.1. Concepts
- 9.2. Anthropological Analysis
 - 9.2.1. Methodology
 - 9.2.2. Development
 - 9.2.3. Classification
- 9.3. Determining Certain Aspects of the Subject
 - 9.3.1. Age
 - 9.3.2. Sex
 - 9.3.3. Size
- 9.4. Dental Identification
 - 9.4.1. Dental Concepts in Children
 - 9.4.2. Dental Concepts in Adults
 - 9.4.3. Classification of Dental Pieces
- 9.5. Taphonomy
 - 9.5.1. Cadaver-Environment Relationship
 - 9.5.2. Data of the Remains

Module 10. Criminalistics

- 10.1. Evidence at the Scene
 - 10.1.1. Biological Evidence
 - 10.1.2. Non-Biological Evidence
 - 10.1.3. Sample Collection
 - 10.1.4. Chain of Custody
 - 10.1.5. Classification
- 10.2. Study of Footprints
 - 10.2.1. Classification
 - 10.2.2. Sample Collection
 - 10.2.3. Methodology





- 10.3. Bloodstain Investigation
 - 10.3.1. Classification
 - 10.3.2. Sample Collection
- 10.4. Other Biological Stains
 - 10.4.1. Classification
 - 10.4.2. Sample Collection
- 10.5. Forensic Genetics
 - 10.5.1. Classification
 - 10.5.2. Collecting Samples for the Laboratory

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You will acquire skills to assess physical injuries, including determining their nature, extent and probable mechanism.”

07

Clinical Internship

Once the online period has been completed, the program includes an Internship Program phase in a distinguished institution in the field of Legal and Forensic Medicine. During the course of this itinerary, graduates will have the support of a tutor who will accompany them throughout the process, both in the preparation and in the development of the internship.





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You will carry out your Internship Program in a prestigious entity in the field of Legal and Forensic Medicine”

The Internship Program period of this program consists of a 3-week clinical internship, from Monday to Friday, with 8 consecutive hours of practical training with an associate specialist. This stay will allow them to see real patients alongside a team of reference professionals applying the most innovative diagnostic procedures.

In this completely practical period, the activities are aimed at developing and perfecting the skills necessary for the provision of Legal and Forensic Medicine services in areas and conditions that require a high level of qualification, and which are oriented towards specific specialization for the practice of the activity.

This is an ideal opportunity for graduates to expand their knowledge in a reference institution, where they will conduct thorough investigations to scale the circumstances of deaths. All this under the supervision of a team of distinguished professionals of Legal and Forensic Medicine.

The practical teaching will be carried out with the accompaniment and guidance of the professors and other fellow trainees who facilitate teamwork and multidisciplinary integration as transversal skills for medical practice (learning to be and learning to relate).

The procedures described below will be the basis of the specialization, and their realization will be subject to the center's own availability, its usual activity and workload, the proposed activities being the following:





Module	Practical Activity
Study of Death	Conduct detailed autopsies to determine the cause, manner and time of death.
	Use <i>postmortem signs</i> such as <i>cadaveric rigidity, lividity, body temperature, and decomposition</i> to estimate time since death.
	Identify and analyze traumatic injuries to the body to determine their nature and possible relationship to death.
	Collect and preserve physical evidence from the body such as tissues, body fluids, or foreign objects.
Forensic Sexology	Conduct detailed physical examinations of victims of sexual assault to document injuries, collect biological evidence, and provide immediate medical care.
	Evaluate physical and genitourinary injuries to individuals, determining their nature.
	Test for Sexually Transmitted Diseases in victims and suspects, providing appropriate treatment if necessary.
	Write comprehensive reports that include physical examination findings, laboratory test results, and conclusions about the nature of the attack for later use in legal proceedings.
Psychiatry and Forensic Medicine	Analyze whether the person is competent to stand trial, understanding legal procedures and being able to participate in their defense.
	Determine whether defendants had the mental capacity to understand the nature and consequences of their actions at the time of the crime.
	Assess the risk that an individual may commit violent acts in the future.
	Establish a subject's capacity to make important decisions, such as consenting to treatment, administering property, or caring for themselves.
Impact of injury	Perform detailed assessments to determine the degree of temporary or permanent disability resulting from the injuries.
	Assess the psychological and emotional impact of traumatic events (such as accidents, assaults or abuse) and determine the existence of impairments.
	Prepare expert reports that describe in depth the medical findings, the causal relationship between the incident and the injuries, as well as their implications on the patient's health.
	Conduct periodic evaluations of individuals to monitor the progress of recovery or the evolution of the patient's health.

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 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 student will be accompanied and will be able to discuss any doubts that may arise, both practical and academic.

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 student does 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?

This Hybrid Professional Master's Degree in Forensic and Legal Medicine includes a practical stay in a prestigious institution, where graduates will be able to put into practice all their knowledge and skills to determine the causes of death. During this period, they will be supported by an experienced group of specialists in this field, who will guide them at all times and supervise their activities to ensure a practice based on excellence.






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You will enjoy a practical stay in a distinguished entity, where you will be surrounded by experts in Legal and Forensic Medicine”

tech 42 | 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

Centro Médico San Bernardo

Country	City
Spain	Madrid

Address: Calle de Jerónimo de la Quintana, 8, Chamberí, 28010 Madrid

Since its inception, Centro Medico San Bernardo has been dedicated to providing excellent medical services

Related internship programs:

- Legal and Forensic Medicine
- Telemedicine





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Boost your career path with holistic teaching, allowing you to advance both theoretically and practically”

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.





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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 Legal and Forensic Medicine guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree issued by TECH Global University.



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

This private qualification will allow you to obtain a **Hybrid Professional Master's Degree diploma in Legal and Forensic Medicine** 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.

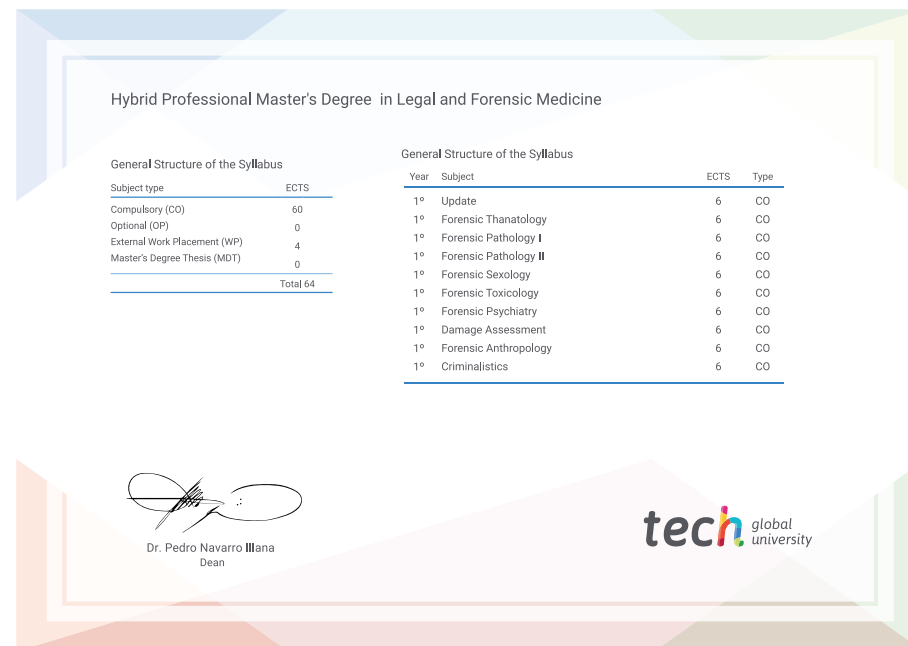
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Hybrid Professional Master's Degree in Legal and Forensic Medicine**

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

Duration: **12 months**

Credits: **60 + 4 ECTS**



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



Hybrid Professional Master's Degree
Legal and Forensic Medicine

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months.

Certificate: TECH Global University

Credits: 60 + 4 ECTS

Hybrid Professional Master's Degree Legal and Forensic Medicine

