



Medical Expertise and Bodily Injury Assessment

» Modality: online

» Duration: 12 months

» Certificate: TECH Global University

» Accreditation: 60 ECTS

» Schedule: at your own pace

» Exams: online

We bsite: www.techtitute.com/us/medicine/professional-master-degree/master-medical-expertise-bodily-injury-assessment

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# tech 06 | Introduction to the Program

In the medical and legal fields, the assessment of bodily injury is crucial for determining disabilities, sequelae, and compensations in cases of accidents, negligence, or legal conflicts. The increasing complexity of judicial and insurance processes has driven the demand for professionals with solid knowledge in Medical Expertise. Understanding current regulations and applying a rigorous methodology in damage assessment is essential to ensure accurate and well-founded reports that support decision-making.

This Professional Master's Degree offers a unique opportunity to acquire specialized skills in Medical Expertise and Bodily Injury Assessment. Throughout the curriculum, professionals will learn to produce expert reports based on scientific, technical, and legal criteria, developing highly valued competencies in sectors such as insurance, forensics, and the judiciary. This specialization not only strengthens your professional profile but also expands career opportunities in a constantly evolving field with a growing need for qualified experts.

Thanks to its 100% online format, this program allows you to study without interfering with your professional or personal life. The program's flexibility provides access to updated content, interactive materials, and dynamic learning tailored to the demands of the sector. Additionally, access to an advanced platform ensures a rich experience where you can delve into each topic at your own pace and from any location.

Moreover, professionals will benefit from 10 Masterclasses taught by an International Guest Director.

This **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:

- The development of practical case studies presented by experts in 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
- Practical exercises where self-assessment can be used to improve learning
- Special emphasis on innovative methodologies in Medicine
- 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



A renowned International Guest Director will deliver 10 rigorous Masterclasses on the latest trends in Medical Expertise and Bodily Injury Assessment"

## Introduction to the Program | 07 tech



Refine your expert methodology and develop solid technical reports, grounded in scientific evidence, to support decisions in judicial and insurance processes"

The teaching staff includes professionals belonging to the field of medicine, who contribute their work experience to this program, as well as renowned specialists from reference societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive learning experience designed to prepare for real-life situations.

This program is designed around Problem-Based Learning, whereby the student must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will be able to classify physical and functional sequelae with precision, applying medical and legal criteria in each assessment.

A syllabus tailored to your needs and designed under the most effective teaching methodology: Relearning.







## tech 10 | Why Study at TECH?

#### The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

#### The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

#### The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabus





World's
No.1
The World's largest
online university

#### The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

#### A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

#### The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

#### **Leaders in employability**

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.









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#### **Google Premier Partner**

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.

#### The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.





# tech 14 | Syllabus

#### Module 1. Update

- 1.1. Medical Expert Evidence in Different Legal Fields
- 1.2. Medical-Forensic Systems in America and Europe
- 1.3. Research and Expert Methodology
- 1.4. Ethics and Expert Evidence
- 1.5. Professional Responsibility of the Medical Expert

#### Module 2. Forensic Thanatology

- 2.1. Forensic Thanatology
- 2.2. Different Forms of Death: Concepts and Legal Significance
- 2.3. Course and Speed of Death
- 2.4. Death Diagnosis
- 2.5. Proven Death
- 2.6. Cadaveric Phenomena
- 2.7. Cooling
- 2.8. Dehydration, Livor Mortis, and Hypostasis
- 2.9. Rigor Mortis and Spasm
- 2.10. Autolysis and Putrefaction
- 2.11. Conserving and Transforming Phenomena of the Body
- 2.12. Saponification
- 2.13. Mummification
- 2.14. Other Cadaveric Phenomena
- 2.15. Duration of Death
- 2.16. Criminal Judicial Autopsy and Civil Judicial Autopsy
- 2.17. Autopsy Timing
- 2.18. Auxiliary Techniques for Forensic Medical Necrodiagnosis
- 2.19. Vital, Perimortem, and Postmortem Injuries
- 2.20. Discovery of the Body



#### Module 3. Forensic Pathology I

- 3.1. Mechanisms of Death in Injuries
- 3.2. Death Diagnosis from Traumatic Shock and Embolisms
- 3.3. Multiple Organ Dysfunction Syndrome
- 3.4. Mechanisms of Death from Natural Causes
- 3.5. Natural Death from Cardiovascular and Respiratory Origins
- 3.6. Natural Death from Neurological Origins
- 3.7. Natural Death from Digestive and Metabolic Origins
- 3.8. Sudden Infant Death
- 3.9. Sudden Adult Death
- 3.10. Study of Contusions
- 3.11. Stab Wounds
- 3.12. Gunshot Wounds
- 3.13. Electrical Injuries
- 3.14. Cold Injuries, Radiation, and Atmospheric Pressure
- 3.15. Heat Injuries and Burns
- 3.16. Injuries in Fires
- 3.17. Injuries from Explosions
- 3.18. Major Disasters

#### Module 4. Forensic Pathology II

- 4.1. Domestic Abuse
- 4.2. Child Abuse
- 4.3. Sexual Abuse in Children
- 4.4. Domestic Violence in Relationships
- 4.5. Elder Abuse
- 4.6. Injuries from Vehicle Traffic Accidents
- 4.7. Forensic Medical Investigation of Airplane Accidents
- 4.8. Mechanical Asphyxiation

- 4.9. Death Mechanisms
- 4.10. Hanging
- 4.11. Strangulation
- 4.12. Suffocation
- 4.13. Drowning
- 4.14. Violent Deaths in Childhood
- 4.15. Natural and Violent Pathology Related to Work
- 4.16. Causal Links in Injury Production
- 4.17. Contents of the Medical Report for Court Assistance

#### Module 5. Damage Assessment

- 5.1. Expert Testimony and Valuation
- 5.2. National Basic Regulations
- 5.3. Judicial and Extrajudicial Evidence
- 5.4. Expert Appraisers
- 5.5. Expert Assessment
- 5.6. Legislation
- 5.7. Liability
- 5.8. Preparation of Report/Opinion
- 5.9. Evaluation of Expert Evidence
- 5.10. Expert Appraisals

#### Module 6. Accident Investigation

- 6.1. Traffic Accidents
- 6.2. Elements Involved
- 6.3. Accident Reconstruction
- 6.4. Fraud in Claims
- 6.5. Damage Valuation System

# tech 16 | Syllabus

#### Module 7. Criminalistics

- 7.1. Clues at the Crime Scene
- 7.2. Study of Traces
- 7.3. Investigation of Bloodstains
- 7.4. Other Biological Stains
- 7.5. Forensic Genetics

#### Module 8. Criminology

- 8.1. Identification in Criminalistics
- 8.2. Study of Traces
- 8.3. Investigation of Bloodstains
- 8.4. Other Biological Stains
- 8.5. Forensic Genetics
- 8.6. Forensic Ballistics
- 8.7. Document Copy and Handwriting Expertise







Apply the relevant regulations correctly in Medical Expertise to create solid, well-founded technical reports"





# tech 20 | Teaching Objectives



### **General Objectives**

- Develop specialized competencies in Bodily Injury Assessment, applying medical and legal criteria for the preparation of expert reports
- Train in the identification and classification of sequelae, disabilities, and injuries, considering their impact on quality of life and in the legal context
- Promote the use of rigorous expert methodologies, based on scientific evidence, for the creation of solid and well-founded technical reports
- Improve the ability to analyze and make decisions, enabling precise interpretation of medical information and its relevance in the legal field
- Enhance the mastery of digital tools for managing and drafting expert reports, ensuring the quality and validity of each assessment
- Integrate multidisciplinary knowledge to provide a global view of medical expertise, covering clinical, ethical, and legal aspects
- Facilitate the practical application of acquired knowledge through the study of real cases and the simulation of complex expert scenarios



Evaluate Damage in accidents and accurately determine the impact of injuries, sequelae, and disabilities for their proper assessment in the legal context"





#### Module 1. Update

- Review current regulations in Bodily Injury Assessment
- Analyze the latest advances in medical expertise and forensic methodology
- Identify new approaches in the preparation of expert reports
- Apply updated criteria in the evaluation of injuries and disabilities

#### Module 2. Forensic Thanatology

- Study the physiological and pathological processes of death
- Differentiate the various types of death from a forensic perspective
- Apply techniques for determining the time and cause of death
- Interpret thanatological findings in expert reports

#### Module 3. Forensic Pathology I

- Identify injuries and postmortem signs in different forensic contexts
- Evaluate the impact of trauma and assaults on the human body
- Analyze injury patterns and their relationship to mechanisms of injury
- Prepare expert reports based on pathological findings

#### Module 4. Forensic Pathology II

- Deepen the study of pathologies related to violent deaths
- · Assess the relationship between pre-existing diseases and causes of death
- Apply forensic protocols in identifying suspicious pathologies
- Interpret autopsy reports in the expert context

#### Module 5. Damage Assessment

- · Apply methods of bodily injury valuation in various fields
- Determine the degree of disability and sequelae following an injury
- Analyze medical and legal criteria in the compensation of damages
- · Prepare expert reports based on damage evaluation

#### Module 6. Accident Investigation

- Study investigation procedures in accidents and incidents
- Analyze the causes and consequences of injuries resulting from accidents
- Apply techniques for the reconstruction of events in the expert field
- Interpret medical and forensic evidence in accident reports

#### Module 7. Criminalistics

- Examine crime scene analysis techniques and evidence collection
- Apply scientific methodologies in criminal investigations
- Interpret biological and physical evidence in forensic processes
- Relate criminalistic findings to medical expert reports

#### Module 8. Criminology

- Analyze the causes and factors of criminal behavior from a forensic perspective
- Evaluate criminological profiles in the study of violent crimes
- Study the relationship between criminal behavior and forensic evidence
- Apply criminological knowledge in interpreting expert cases



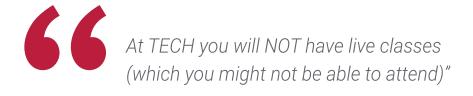


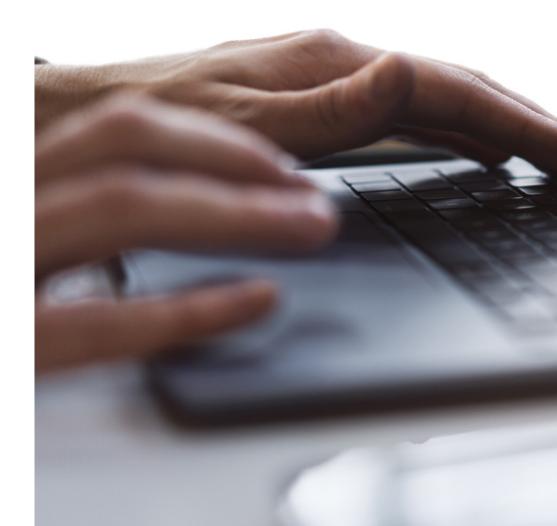
#### The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.









#### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.



TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"

## tech 26 | Study Methodology

#### Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



#### Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.





#### A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

#### 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 assess 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.

## Study Methodology | 29 tech

#### The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:



#### **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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### **Practicing Skills and Abilities**

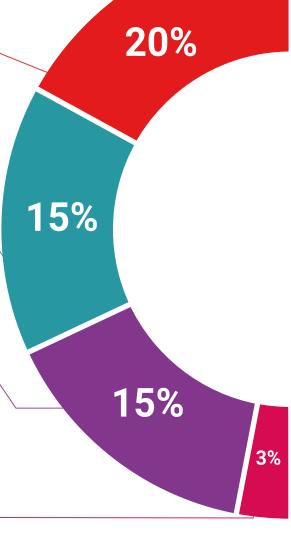
You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### **Interactive Summaries**

We present 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, international guides... In our virtual library you will have access to everything you need to complete your education.

**Case Studies** 

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting** 

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

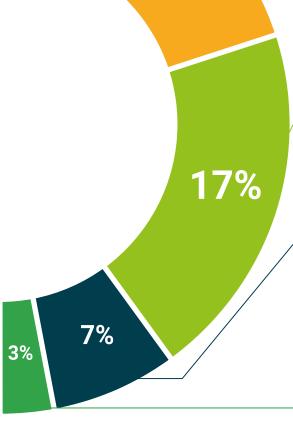


Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.

**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.







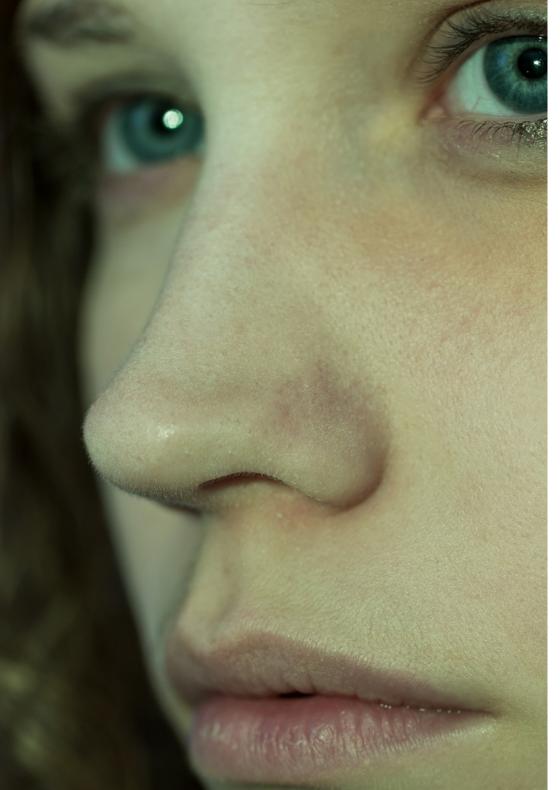
# tech 34 | Teaching Staff

#### 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 Madric
- 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



#### **Teachers**

#### 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
- PhD in Medicine and Surgery from Complutense University of Madrid
- Member of the Spanish Society of Legal Psychiatry

#### Dr. Liaño Riera, Miryam

- Out-of-Hospital Emergency Physician in the Rural Care Service of the Navas del Rey Health Center
- Specialist in Legal and Forensic Medicine
- Specialist in Family and Community Medicine
- Associate Professor in the Department of Legal Medicine, Psychiatry, and Pathology at the 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
- D. in Medicine and Surgery from the UAM
- Master's Degree in Health Law and Bioethics from the UCLM





## tech 38 | Certificate

This private qualification will allow you to obtain a diploma for the **Professional Master's Degree 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** 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: Professional Master's Degree in Medical Expertise and Bodily Injury Assessment

Modality: online

Duration: 12 months

Accreditation: 60 ECTS







<sup>\*</sup>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.

health confidence people
education information tutors
guarantee accreditation teaching



# Professional Master's Degree

Medical Expertise and Bodily Injury Assessment

- » Modality: online
- » Duration: 12 months
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- » Schedule: at your own pace
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