

# Postgraduate Certificate

## Accident Investigation in Forensic Medicine



## Postgraduate Certificate

### Accident Investigation in Forensic Medicine

Course Modality: Online

Duration: 2 months.

Certificate: TECH Technological University

7 ECTS Credits

Teaching Hours: 175 hours

Website: [www.techtute.com/us/medicine/postgraduate-certificate/accident-investigation-forensic-medicine](http://www.techtute.com/us/medicine/postgraduate-certificate/accident-investigation-forensic-medicine)

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01

# Introduction

The specialty of forensic and legal medicine has traditionally been one of the most neglected branches of medicine in recent years, but it has continued to be necessary, especially in the judicial field following the latest legislative changes.

Many physicians and specialists wish to be trained in this field in order to expand or begin their training in the field of Forensic Science.







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*This training will provide you with a sense of security in medical practice, which will help you grow personally and professionally”*

This Postgraduate Certificate in Investigating Accidents in Forensic Medicine, combines scientific application with the practical side, while at the same time adapting to new technologies with the implementation of online training.

The Postgraduate Certificate meets the needs of professionals who demand adequate knowledge to enable them to carry out forensic assessments and Postgraduate Certificate reports, as well as the ability and fluency to ratify their opinion and understand the stages of the legal proceedings when necessary. At the same time, it offers the possibility for all students to learn how to assess not only bodily injury, but also to quantify negligence, assess disability, and determine disabilities.

Currently, law firms and private clients require a forensic expert examination for most of their procedures. It is for this reason, in addition to the lack of existing professionals, that we consider it appropriate to implement a correct, up-to-date, and especially useful syllabus for the daily practice of this activity.



*Improve your knowledge in Investigating Accidents in Forensic Medicine in through this program, where you will find the best didactic material with real clinical cases Learn here about the latest advances in the specialty to be able to perform a quality medical practice"*

This **Postgraduate Certificate in Investigating Accidents in Forensic Medicine** contains the most complete and up-to-date scientific program on the market The most important features of the program include:

- ♦ Clinical cases presented by experts in Investigating Accidents in Forensic Medicine.
- ♦ The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ News in Investigating Accidents in Forensic Medicine.
- ♦ It contains practical exercises where the self-evaluation process can be carried out to improve learning.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ With special emphasis on evidence-based medicine and research methodologies in Investigating Accidents in Forensic Medicine.
- ♦ All 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.

“ *This postgraduate certificate may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Investigating Accidents in Forensic Medicine, you will obtain a postgraduate certificate from TECH Technological University*”

The teaching staff includes professionals from the field of Accident Investigation in Forensic Medicine, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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 immersive training program to train in real situations.

Problem-Based Learning underpins this program design, and the doctor must use it to try and solve the different professional practice situations that arise throughout the University Course. For this purpose, the physician will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of Forensic Medicine with extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate*

*Take the opportunity to learn about the latest advances in Investigating Accidents in Forensic Medicine and improve your patient care*



02

# Objectives

The Postgraduate Certificate in Investigating Accidents in Forensic Medicine is aimed at facilitating the performance of the physician in all types of accidents.



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*This Postgraduate Certificate is designed to help you update your knowledge in Investigating Accidents in Forensic Medicine, with the use of the latest educational technology, to contribute with both quality and safety to decision-making, diagnosis, treatment and patient support”*



## General Objective

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- Update the knowledge of the professional with special training and interest in the field of Legal and Forensic Medicine.
- Promote work strategies based on a comprehensive approach to the expert witness as a reference model to achieve expert-level excellence.
- Encourage the acquisition of technical skills and abilities, through a powerful audio-visual system, and the possibility of development through online simulation workshops and/or specific training.
- Encourage professional stimulus through continuing education and research.





## Specific Objectives by Modules

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- Describe the different types of vehicles and their involvement in accidents.
- Classify the different types of traffic-related accidents.
- Defining the different elements involved in each type of accident.
- Perform accident reconstruction based on the different evidence and clues.
- Conduct a speed assessment.
- Describe the techniques to be followed to detect fraud in the claims process.
- Describe the role of forensic medicine in accidents.
- Describe the steps to be followed in the damage assessment.
- Explain the different sequelae as well as temporary injuries that subjects may suffer after an accident.
- Explain the different indemnities related to accidents and their processing.
- Define the different investigative techniques used in forensic medicine.

*Update your knowledge through  
the Postgraduate Certificate in  
Investigating Accidents in Forensic  
Medicine*





03

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospital centers and universities in the country, who are aware of the relevance of up-to-date education to be able to intervene in Investigating Accidents in Forensic Medicine, and are committed to quality teaching through new educational technologies.

**CRIME SCENE DO NOT CROSS**

**CRIME SCENE DO**



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*This Postgraduate Certificate in Investigating Accidents in Forensic Medicine contains the most complete and up-to-date scientific program on the market”*

## Module 1. Accident Investigation

- 1.1. Traffic Accidents
  - 1.1.1. Concept
  - 1.1.2. Phases
  - 1.1.3. Vehicle Classification
  - 1.1.4. Accident Classification
- 1.2. Elements Involved
  - 1.2.1. Concept
  - 1.2.2. Roads or Paths
  - 1.2.3. The People
  - 1.2.4. Environment.
  - 1.2.5. Intensity
- 1.3. Accident Reconstruction
  - 1.3.1. Accident Analysis
  - 1.3.2. Reconstruction Procedure
  - 1.3.3. Objectives
  - 1.3.4. Physical Fundamentals.
  - 1.3.5. Simple Sliding
  - 1.3.6. Calculation of Speed from Sliding
  - 1.3.7. Physical Fundamentals Applicable to Vehicle Crashes
  - 1.3.8. Collision Elasticity
  - 1.3.9. Speed Assessment
  - 1.3.10. Kinematic Sequences
  - 1.3.11. Graphical Representations
  - 1.3.12. Impact Speed Estimation Methods



- 1.4. Claims Fraud
  - 1.4.1. Concept
  - 1.4.2. Fraud Analysis
  - 1.4.3. Types of Fraud
  - 1.4.4. Role of Forensic Medicine in Accidents
- 1.5. Damage Assessment System
  - 1.5.1. General Criteria
  - 1.5.2. Indemnifications
  - 1.5.3. Secuelas
  - 1.5.4. Temporary Injuries



*A unique, key, and decisive training experience to boost your professional development"*



05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.



*The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards



In this program you will have access to the best educational material, prepared with you 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.

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.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### 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 unique multimedia content presentation training system 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 training.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through 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 your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



#### 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 in our future difficult decisions.



#### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.





05

# Certificate

The Postgraduate Certificate in Investigating Accidents in Forensic Medicine guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate issued by **TECH Technological University**.





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*Successfully complete this training and receive your university certificate without travel or laborious paperwork”*

This **Postgraduate Certificate in Investigating Accidents in Forensic Medicine** contains the most complete and up-to-date scientific program on the market

After students have passed the assessments, they will receive by certified mail their **Postgraduate Certificate** issued by **TECH Technological University**.

The certificate issued by **TECH** Technological University will express the qualification obtained in the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Investigating Accidents in Forensic Medicine**

ECTS: **7**

Official Number of Hours: **175**



\*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development language  
virtual classroom



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