



Postgraduate Certificate Infections Caused by Occupational Accidents for Pharmacists

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Credits: 3 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/pharmacy/postgraduate-certificate/infections-caused-occupational-accidents-pharmacists

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The cure of infectious diseases is one of the great challenges of today's society and, in order to achieve a reduction in the morbidity of affected persons, or to try to alleviate their symptoms, it is necessary for the pharmacist to have a solid knowledge of the subject, adapted to the latest developments.

Among the most important infectious diseases worldwide are malaria and tuberculosis. The first is endemic in more than 100 countries and the objective is to reduce mortality by at least 20% over the mortality rate observed in 2005. Meanwhile, tuberculosis accounts for some 8 million new cases per year and more than 1 million deaths, with 20% of the cases associated with HIV/AIDS infection, with problems of resistance to treatment and lack of compliance with treatment, which led the WHO to consider tuberculosis a global health emergency in 1993.

It is especially important for pharmacists to take the necessary precautions to treat patients who have some type of infection, since a simple occupational accident can infect them. In these cases, it is important to take precautions, especially to avoid bloodborne infections.

Therefore, this Postgraduate Certificate focuses on providing pharmacists with the necessary knowledge about the main blood borne infections and the best behaviors in the face of occupational accidents, with special emphasis on biosafety measures and the role of the epidemiologist in reducing biological risks, offering the best and most updated content on the market.



For the pharmacist's CV, it is a plus to be up to date with the latest advances for the treatment of infections and the precautions that workers should take for the prevention of occupational accidents" This Postgraduate Certificate in Infections Caused by Occupational Accidents for Pharmacists endorses the latest advances in clinical infectious diseases with a teaching program that positions it as an educational product of the highest scientific rigor at international level. Additionally, this program provides training and professional development in different areas:

- Clinical symptoms development medicine to be able to address the infectious health disease process in a particular person through the study of the most prevalent and deadly infectious diseases, and, in epidemiology, to study the behaviour of the same phenomenon in a population
- The indication, performance and interpretation of the main state of the art diagnostic tests to complement clinical skills in the diagnostic process. Emphasizing the most up to date microbiological tests used to rapidly diagnose germs and study antimicrobial
- The complex and determining pathophysiological relationships between the immune response and infectious agents
- Germs related to neoplasms and chronic non-communicable diseases
- Development and production of vaccines for the control of morbidity and mortality due to infectious diseases
- The important field of antimicrobial therapeutics, providing the best available information on the development and production of new antibiotics

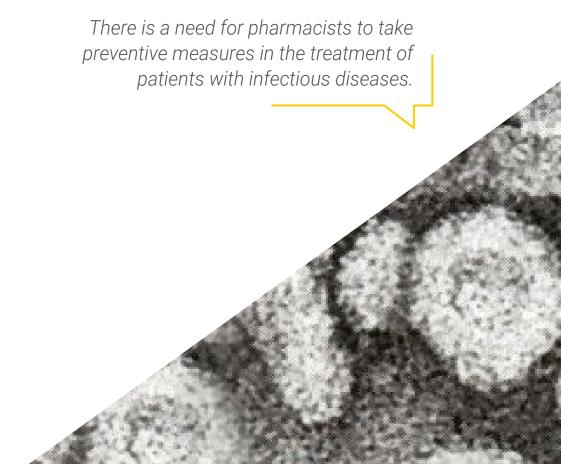


This Postgraduate Certificate shows the latest advances in infectious diseases with the highest scientific rigor.

Its teaching staff is made up of prestigious and renowned professionals with a long career in health care, teaching and research, who have worked in many countries on several continents, developing professional and teaching experience that they deliver in an extraordinary way in this Postgraduate Certificate.

The methodological design of this Postgraduate Certificate, developed by a multidisciplinary team of e-learning experts, integrates the latest advances in educational technology for the creation of numerous educational multimedia tools that allow the professional, based primarily around the Problem Based Learning method, to address real problems in their daily clinical practice, which will allow them to advance by acquiring knowledge and developing skills that will impact their future professional work.

It should be noted in this Postgraduate Certificate that each of the contents generated, as well as the videos, self evaluations, clinical cases and exams, have been thoroughly reviewed, updated, and integrated by the teachers and the team of experts that make up the working group, to facilitate the learning process with a step by step approach in order to achieve the teaching program objectives.



02 **Objectives**

The main objective of the Postgraduate Certificate is the improvement of pharmacy professionals, by helping them acquire the most up to date and innovative scientific knowledge in the field of infectious diseases and how they are treated, allowing them to develop the skills that will turn their daily pharmaceutical practice into a benchmark of the standards of the best scientific evidence available, with a critical, innovative, multidisciplinary and integrative sense.



tech 10 | Objectives



General Objective

• Guarantee professional improvement, through up to date and in depth knowledge of the best scientific evidence, for the prevention, diagnosis, and treatment of infectious diseases with a multidisciplinary and integrative approach that facilitates the control of these pathologies



If your goal is to be the best professional, do not hesitate to continue your studies throughout your working life. With us you will obtain an official qualification certified by the largest Digital University in the world, TECH"





Specific Objectives

- Provide students with advanced, in depth, updated, and multidisciplinary information that allows them to comprehensively approach the process of health infectious diseases
- Provide training and practical theoretical improvement that will enable a reliable clinical diagnosis supported by the efficient use of diagnostic methods to indicate an effective integral treatment
- Describe the main elements that favour occupational accidents and the transmission of blood borne pathogens
- Substantiate the importance of the control of viral haemorrhagic diseases and the detailed study of the most frequent and deadly diseases for the reduction of morbidity and mortality worldwide







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Management



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- Master's Degree in Infectious Diseases and Antimicrobial Treatment from CEU Cardenal Herrera University
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Professors

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- * Doctor of Medicine. Autonomous University of Madrid
- Degree in Medicine and Surgery. Complutense University of Madrid
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- Master's Degree in Infectious Diseases in Intensive Care. Fundación Universidad-Empresa Valencia
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- Specialist in the Microbiology and Parasitology Department at La Paz University Hospital Madrid
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- PROA team member
- Clinical teaching collaborator. Department of Medicine of the UAM
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- Master's Degree in Tropical Medicine and International Health. Autonomous University of Madrid
- Expert in Emerging and High Risk Virus Pathology. Autonomous University of Madrid
- * Expert in Tropical Medicine. Autonomous University of Madrid





tech 18 | Structure and Content

Module 1. Occupational Accident and Bloodborne Pathogens

- 1.1. Epidemiology of Blood Borne Pathogen Infections
 - 1.1.1. Epidemiology of Bloodborne Pathogen Infections
 - 1.1.2. Epidemiology
- 1.2. Main Blood-Borne Infections
 - 1.2.1. Hepatitis B Virus Infection
 - 1.2.2. Hepatitis C Virus Infection
 - 1.2.3. HIV/AIDS
- 1.3. Diagnostic and Therapeutic approach to Accidents Involving Blood
 - 1.3.1. Diagnostic Follow up of Cases
 - 1.3.2. Treatment
- 1.4. Universal Precautions in the Prevention of Accidents in the Workplace
 - 1.4.1. Prevention of Occupational Accidents
 - 1.4.2. Universal Precautions
- 1.5. Biosafety Measures and the Role of the Epidemiologist in Reducing Biohazards
 - 1.5.1. Biological Risk
 - 1.5.2. Biosecurity
 - 1.5.3. Biosecurity Plans for Biological Protection







The content of this course will give you greater confidence in the diagnosis and investigation of infections caused by occupational accidents"

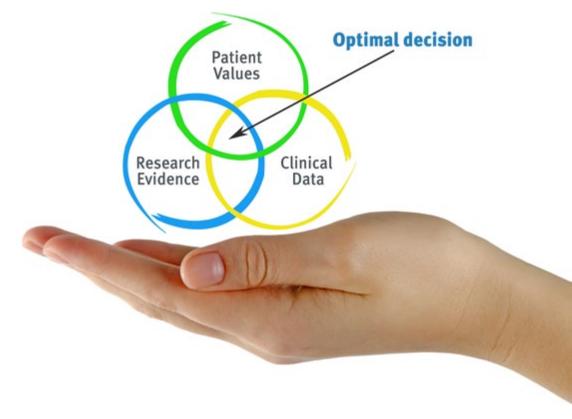


tech 22 | Methodology

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly 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, attempting to recreate the actual conditions in a pharmacist's professional practice.



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. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their 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.

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.

Pharmacists 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.



Methodology | 25 tech

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 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years.

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.

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



Study Material

All teaching material is created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



Video Techniques and Procedures

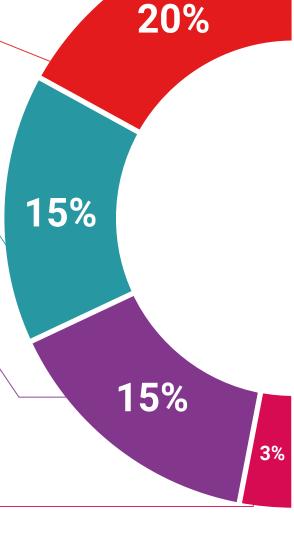
TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.



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.

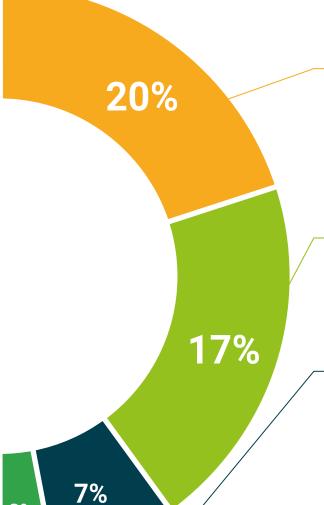
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".





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, 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 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.







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This program will allow you to obtain your **Postgraduate Certificate in Infections Caused by Occupational Accidents for Pharmacists** endorsed by **TECH Global University**, the world's largest online university.

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

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

Title: Postgraduate Certificate in Infections Caused by Occupational Accidents for Pharmacists

Modality: online

Duration: 6 weeks

Accreditation: 3 ECTS



has successfully passed and obtained the title of:

, with identification document

Postgraduate Certificate in Infections Caused by Occupational ccidents for Pharmacists

This is a program of 90 hours of duration equivalent to 3 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



^{*}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

guarantee

tech

global

university

Postgraduate Certificate Infections Caused by Occupational Accidents for Pharmacists

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 3 ECTS
- » Schedule: at your own pace
- » Exams: online

