Professional Master's Degree
Clinical Trials Management and Monitoring

COV-02-IB

tech technological university

Professional Master's Degree
Clinical Trials Management and Monitoring

Course Modality: **Online**

Duration: **12 months**

Certificate: **TECH Technological University**

Official Nº of hours: **1,500 h.**

Website: **www.techtitute.com/pk/medicine/professional-master-degree/master-clinical-trials-management-monitoring**

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01
Introduction

Continued research into the development of new drugs is extremely important in order to make advances in the treatment of those diseases for which there is still no cure or those which have an increased resistance to current treatments.

"
A complete program that will help you keep up to date with the latest techniques in Clinical Trials Management and Monitoring"

The increased investment into research in the healthcare field in order to improve the patients' quality of life means that more and more specialized professionals are needed in this field. Hence the importance of expanding academic knowledge in all research areas. The Professional Master's Degree in Clinical Trials Management and Monitoring is a program developed by professionals with extensive professional experience in the field of clinical trials and who are currently working in this area.

The teaching team has carefully selected a range of the most useful topics for experienced professionals working in healthcare. This program employs the most advanced web 2.0 communication tools, which allow working methods that promote interaction among professionals, information exchange and constant and active participation.

Specifically, this Professional Master's Degree guides the health professional through the Management and Monitoring of Clinical Trials, via a theoretical and practical course provided by professionals with extensive experience.

Thanks to this Professional Master's Degree, the physician will have the necessary tools and the ability to successfully improve their professional practice in the vast world of Clinical Trials, to work on key skills such as knowledge of the day-to-day realities and language of healthcare, to take on responsibility for the monitoring and supervision of clinical trial activities, as well as developing communication skills to promote effective teamwork.

This **Professional Master's Degree in Clinical Trials Management and Monitoring** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The examination of case studies presented by experts in Clinical Trials
- Graphic, schematic, and practical contents which provide scientific and practical information on the disciplines that are essential for professional practice
- New developments in Clinical Trials
- Practical exercises where a self-assessment process can be undertaken to improve learning
- Special emphasis on innovative methodologies in Clinical Trials
- 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

Expand your knowledge through this Professional Master's Degree in Clinical Trials Management and Monitoring which will enable you to hone your skills until you achieve excellence in this field"

This Professional Master's Degree is the best investment you can make when selecting an up-to-date program for two reasons: In addition to updating your knowledge in Clinical Trials Management and Monitoring, you will obtain a Professional Master's Degree from TECH Technological University"

Do not hesitate to take this Professional Master's Degree with us. You will find the best teaching material with virtual lessons.

This 100% online program will allow you to combine your studies with your professional work while increasing your knowledge in this field.

The teaching staff includes medical professionals who contribute their experience to this program, as well as renowned specialists from leading 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 immersive learning designed for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by a innovative interactive video system developed by renowned and experienced experts in the field of Clinical Trials Management and Monitoring.

02
Objectives

The program in Clinical Trials Management and Monitoring is aimed at facilitating the performance of research professionals with the latest advances and most innovative procedures in the sector.

Thanks to this Professional Master's Degree you will be able to specialize in Clinical Trials Management and Monitoring and learn about the latest advances in the field"

General objectives

- Establish the phases involved in the development of a new drug

- Analyze the steps prior to the development of a clinical trial (preclinical research)

- Examine how a drug is introduced into the market after the clinical trial has been conducted

- Establish the basic structure of a clinical trial

- Be aware of the differences between different types of clinical trials

- List the essential documents and procedures within a clinical trial

- Study the clinical trial drug circuit from the point of view of the Pharmacy Service

- Analyze universal ethical principles

- Define the current legislation on research with drugs and medical devices in general and that which regulates clinical trials in particular

- List the rights and responsibilities of the different parties involved in clinical trials

- Explore the concept of monitoring

- Analyze the content of a clinical research protocol and recognize the commitment that good compliance with it entails

- Master the skills necessary for project development and management

- Define the monitoring process of a clinical trial, having the necessary documentation, tools and guidance for this role, taking into account the main problems that may be encountered

- Present the latest scientific advances in clinical trial monitoring tasks, with knowledge tailored to the real needs of companies in the pharmaceutical sector

- Present the wide range of tasks involved in conducting a clinical trial and what is involved at each stage

- Examine the practical aspects of conducting a clinical trial and the role of the monitor

- Analyze the importance of the role of the trial coordinator in clinical research

- Specify the main functions of the research team and their involvement with the patient

- Establish the main components of a clinical trial and observational study

- Build specialist knowledge about the variety of tasks must be performed during the development of the study

- Establish tools and strategies to address the different problems that arise during the clinical trial, in order to obtain satisfactory results from patient monitoring

- Build a base of knowledge that allows for originality in the development and/or application of ideas, often in a research context

- Apply acquired knowledge and problem-solving skills in the development of protocols

- Structure statistical methods and techniques

- Communicate and transmit statistical results through the preparation of different types of reports, using terminology specific to the fields of application

- Compile, identify and select sources of public biomedical information, from international agencies and scientific organizations, on the study and dynamics of populations

- Analyze the scientific method and work on skills in the management of information sources, bibliography, protocol elaboration and other aspects considered necessary for the design, execution and critical assessment

- Demonstrate logical thinking and structured reasoning in determining the appropriate statistical technique

Specific objectives

Module 1. Drug Research and Development

- Explain the pharmacokinetic processes that a drug undergoes in the organism
- Identify the legislation that regulates each of the steps in the development and authorization of a drug
- Define the specific regulation of some drugs (biosimilars, advanced therapies)
- Define the use in special situations and their types
- Examine the process of financing a drug
- Outline strategies for the dissemination of research results
- Demonstrate how to read scientific information critically
- Compile sources of information on drugs and their types

Module 2. Clinical Trials (I)

- Establish the types of clinical trials and standards of good clinical practice
- Specify the processes of authorization and distinction of drugs and medical devices in research
- Analyze the evolutionary process of drug research development
- Finalize strategies for developing a safety surveillance plan for saleable drugs
- Substantiate the requirements for the initiation of drug research with humans
- Establish the elements of a clinical trial research protocol
- Explore the difference between inferiority and non-inferiority clinical trials
- List the essential documents and procedures within a clinical trial
- Study the function and use of data collection notebooks (DCNs)
- Study the types of fraud committed in clinical trials research

Module 3. Clinical Trials (II)

- Specify the different activities related to sample management (reception, dispensing, custody, etc.) in which the Pharmacy team is involved
- Establish the procedures and techniques involved in the safe handling of samples during their preparation
- Analyze the development of a clinical trial from the point of view and through the participation of the hospital pharmacist
- Detail informed consent
- Know the physiological differences between children and adults

Module 4. Monitoring of Clinical Trials (I)

- Specify both the professional profile of the clinical trial monitor and the skills that must be developed to carry out the monitoring process of a clinical trial
- Establish their responsibility in the selection of the center and in the initiation of the study
- Justify the importance of the monitor in ensuring the correct compliance with the procedures and activities established by the protocol and the Good Clinical Practice Guidelines during the trial
- Build knowledge on the practical aspects of visits prior to the start of the clinical trial
- Present the basis for the essential documentation for the implementation of the clinical trial at the center
- Train the student in the correct handling of a pre-selection visit and initiation in the research center
- Assess the involvement of the Hospital Pharmacy Service in the management, control and traceability of the medication in the study
- Be aware of the importance of maintaining good communication between team members involved in the development of a clinical trial

Module 5. Monitoring of Clinical Trials (II)

- Establish the basic points for a monitoring and closing visit
- Develop the Monitoring Plan and Standard Operating Procedures (SOPs) at each stage of the clinical trial
- Present a data collection notebook and learn how to keep it up to date
- Establish the data collection process to assess safety in a clinical trial Adverse Event and Serious Adverse Event
- Detail the management of a monitoring visit
- Analyze the most common protocol deviations
- Establish the important documents for a clinical trial
- Submit a Monitoring Plan for a clinical trial monitor
- Present the data collection notebooks
- Develop important theoretical knowledge about closeout visits
- Establish the documentation to be prepared for closeout visits
- Specify the points to be reviewed in the closeout visits

Module 6. Coordination of Clinical Trials (I)

- Specify the mandatory documents and forms that must be included in the researcher's file
- Establish how to best manage the archive at the beginning, during and at the end of the study: storing, updating and ordering documentation
- Define the steps to be followed to complete the documents and forms for the researchers file

Module 7. Coordination of Clinical Trials (II)

- Reinforce the necessary skills to be developed in order to perform the work of the trial coordinator
- Define the organization and preparation of both the research team and the center for inclusion in a clinical trial, managing CVs, good clinical practices, suitability of the facilities, etc.
- List the tasks to be performed in both a clinical trial and an observational study
- Analyze a clinical trial protocol through theoretical and practical examples
- Determine the work of a Coordinator in their work center in accordance with a clinical trial protocol (patients, visits, tests)
- Develop the skills necessary for the use of a data collection notebook: data entry, query resolution and sample processing
- List the different types of pharmacological treatments that can be used in a clinical trial (placebo, biological) and their management

Module 8. Patients Monitoring in Clinical Trials

- Specify the daily practices of patient care in Specialized Care, establishing the management of procedures, protocols and clinical trial databases
- Analyze the materials used during the development of the studies
- Assess the causes of patient dropout within a study and establish strategies for patient retention
- Assess how monitoring loss occurs in patients within a study, examine its causes and explore possibilities for resumption of monitoring

- List the different risk factors that can lead to poor adherence to treatment and apply strategies for improving and monitoring adherence to treatment
- Analyze the different effects of medications in order to manage the signs and symptoms, as well as the adverse reactions that may derive from taking medication
- Establish the different tools to calculate the attendance and monitoring of visits

Module 9. Biostatistics

- Identify and incorporate in an advanced mathematical model representing an experimental situation, those random factors involved in a high-level biosanitary study
- Design, collect and clean a data set for subsequent statistical analysis
- Identify the appropriate method for determining sample size
- Distinguish between different types of studies and choose the most appropriate type of design according to the research objective
- Communicate and transmit statistical results correctly, through the preparation of reports
- Acquire an ethical and social commitment

03

Skills

After passing the assessments of the Professional Master's Degree in Clinical Trials Management and Monitoring, the professional will have acquired the necessary skills for high-quality and up-to-date practice based on the most innovative teaching methodology.

Learn about the new tools in the Management and Monitoring of Clinical Trials to offer better care to your patients"

General skills

- Explore all the phases of a clinical trial
- Monitor patients participating in research projects
- Perform process monitoring

Make the most of this opportunity and take the next step to get up to date with the latest developments in Clinical Trials Management and Monitoring"

Specific skills

- Publish research results in different formats

- Critically read scientific publications

- Identify the different types of clinical trials

- Develop a safety surveillance plan for saleable drugs

- Establish research protocols for clinical trials

- Develop clinical trials with the collaboration of the hospital pharmacist

- Define the physiological differences between children and adults

- Analyze a clinical trial in the setting of a Urology Department

- Recognize and comply with the rules governing clinical trials

- Know the specific regulations and apply them in clinical trials

- Ensure the safety of participants in clinical trials

- Present documentation for the clinical trial start-up and correctly handle the appointments at the research center

- Communicate correctly with the other members of the research team

- Manage monitoring visits and closure of the clinical trial

- Perform and present the guidelines of a clinical trial monitor

- Describe the overall monitoring process

- Identify all the documents that must be contained in the researchers file

- Know how to manage the file with all the necessary documentation for clinical trials

- Carry out protocols for clinical trials through examples

- Identify and know how to use the different drugs that can be used in clinical trials

- Identify the causes of dropout of patients participating in research cases

- Assess the treatments and possible adverse effects caused by some drugs

- Collect clinical trial data for further analysis

- Communicate the results of clinical trials through the most appropriate means in each case

04

Course Management

The program's teaching staff includes leading experts in research and health, who contribute their work experience to this program. In addition, other renowned experts participate in its design and development, completing the program in an interdisciplinary manner.

Leading experts in Clinical Trials Management and Monitoring have come together to share all their knowledge in this field"

Management

Dr. Gallego Lago, Vicente

- Military pharmacist at HMC Gómez Ulla
- Doctoral studies with the qualification of Outstanding
- Honors Degree in Pharmacy from the Complutense University of Madrid
- Resident Internal Pharmacist Examination (F.I.R) obtaining the No. 1 in this selective test
- Resident Internal Pharmacist (F.I.R) of the Pharmacy Service at the 12 de Octubre Hospital

Professors

Ms. Bermejo Plaza, Laura
- Coordinator of Clinical Trials at the HIV Unit of the 12 de Octubre University Hospital of Madrid
- Degree in Nursing from the Complutense University of Madrid

Ms. Benito Zafra, Ana
- Coordinator of clinical trials and projects in the Heart Failure Unit at the Cardiology Department of the 12 de Octubre Hospital of Madrid
- Graduate in Biology from the Autonomous University of Madrid
- Master's Degree in Biochemistry, Molecular Biology and Biomedicine from the Complutense University of Madrid

Mr. Bravo Ortega, Carlos
- Coordinator of clinical trials in the Clinical Nephrology Service of the 12 de Octubre Hospital
- Degree in Biology from the University of Alcalá de Henares
- Master's Degree in Monitoring and Management of Clinical Trials from the Autonomous University of Madrid

Dr. Dompablo Tobar, Mónica
- Researcher at the Psychiatry Department of the 12 de Octubre University Hospital
- Degree in Psychology from the Autonomous University Madrid
- Doctorate in Psychology the Complutense University of Madrid. Oustanding Cum Laude

Dr. Cano Armenteros, Montserrat

- Compulsory Secondary Education (ESO) Biology and Geology Teacher at the Azorín public high school
- Master's Degree in Clinical Trials, University of Seville
- Professional Master's Degree in Primary Care Research from the University of Chicago
- Certificate of Pedagogical Aptitude (CAP), University of Alicante
- Bachelor's Degree in Biology. University of Alicante

Ms. De Torres Pérez, Diana

- Trial Coordinator at the 12 de Octubre University Hospital, Cardiology Service (Hemodynamics and Arrhythmias)
- Degree in Pharmacy from the Complutense University of Madrid
- Master's Degree in Coordination of Clinical Trials at ESAME
- Master's Degree in Study Coordinator in ESAME Pharmaceutical-Business School

Ms. Díaz García, Marta

- Nurse of Pneumology, Endocrinology and Rheumatology at the 12 de Octubre University Hospital in Madrid
- Researcher in FIS project "Circadian health in patients admitted to intensive care and hospitalization units"
- Degree in Social and Cultural Anthropology from UCM
- Certificate in Nursing from the University of Extremadura
- Master's Degree in Health Care Research at UCM
- Master's Degree in Pharmacology from the Distance-Learning University of Valencia

Ms. Gómez Abecia, Sara
- Clinical Research Project Manager
- Graduate in Biology
- Master's Degree in Clinical Trials

Ms. Jiménez Fernández, Paloma
- Coordinator of clinical trials in the Rheumatology Service of the 12 de Octubre Hospital
- Graduate in Pharmacy from the Complutense University of Madrid
- Master's Degree in Clinical Trials Monitoring and Management from the Autonomous University of Madrid

Ms. Martín-Arriscado Arroba, Cristina
- Biostatistics at the Research and Scientific Support Unit of the 12 de Octubre University Hospital (i+12) and the Clinical Research Units and Clinical Trials Platform (SCReN)

Mr. Moreno Muñoz, Guillermo
- Coordinator of Clinical Trials and Observational Studies in the Cardiology Intensive Care Unit of the Cardiology Service at the 12 de Octubre Hospital
- Collaborating Professor of Pharmacology and Nurse Prescription of the Department of Nursing, Physiotherapy and Podiatry of the UCM
- Degree in Nursing from Complutense University of Madrid
- Master's Degree in Research Methodology in Health Care from the UCM
- Postgraduate Diploma in Nurse Prescription from the Distance-Learning University of Madrid (UDIMA)

Ms. Onteniente Gomis, María del Mar
- Degree in Veterinary Medicine from the University of Córdoba
- 10 years of experience in consultation and anesthesia in companion animals

Ms. Ochoa Parra, Nuria
- Degree in Pharmacy from the Complutense University of Madrid
- Master's Degree in Clinical Trials from the University of Seville
- Doctoral candidate from the University of Granada
- Coordinator of clinical trials and observational studies in the Multidisciplinary Unit of Pulmonary Hypertension of the Cardiology Department at the 12 de Octubre Hospital

Ms. Pérez Indigua, Carla
- Research Nurse in the Clinical Pharmacology Service of the San Carlos Clinical Hospital
- Degree in Nursing from Complutense University of Madrid
- Master's Degree in Research Methodology in Health Care from the UCM
- Doctoral Candidate in Health Care, Complutense University of Madrid
- Professor of the subject "Ethics of research with human beings" in the Professional Master's Degree of Applied Ethics in the Faculty of Philosophy of the UCM

Dr. Rodríguez Jiménez, Roberto
- Director of the Inpatient Unit, Day Hospital, Emergency Department, Electroconvulsive Therapy Program and Psychosis Program
- Degree in Medicine and Surgery
- Degree in Psychology
- Master's Degree in Psychotherapy
- Doctor in Psychiatry
- Alcoholism Specialist

Ms. Valtueña Murillo, Andrea

- Quality, Regulatory and Pharmacovigilance Technician in Cantabria Labs
- Master's Degree in Pharmaceutical Industries and Pharmacy (CESIF)
- Degree in Pharmacy at Complutense University of Madrid

Ms. Santacreu Guerrero, Mireia

- Nurse Clinical Trials Coordinator at the HIV Unit of the 12 de Octubre University Hospital, Madrid
- Degree in Nursing from the European University of Madrid
- Master's Degree in Nursing Management from the same University

Mr. Sánchez Ostos, Manuel

- Study Coordinator Clinicas Trials, IMIBIC
- Master's Degree in Clinical Trial Monitoring and Pharmaceutical Development. University of Nebrija (Madrid)
- Professional Master's Degree in Biotechnology, University of Córdoba
- Master's Degree in Teacher Training, University of Córdoba
- Degree in Biology, University of Córdoba

05

Structure and Content

The syllabus has been designed by renowned professionals in research and health, with impressive professional careers, backed by a huge volume of cases reviewed, studied and diagnosed, and with excellent command of new technologies.

This Professional Master's Degree in Clinical Trials Management and Monitoring contains the most complete and up-to-date scientific program on the market"

Module 1. Drug Research and Development

1.1.   Development of New Drugs

    1.1.1.   Introduction

    1.1.2.   Development Phases of New Drugs

    1.1.3.   Discovery Phase

    1.1.4.   Preclinical Phase

    1.1.5.   Clinical Phase

    1.1.6.   Approval and Registration

1.2.   Discovery of an Active Substance

    1.2.1.   Pharmacology

    1.2.2.   Seeding Trials

    1.2.3.   Pharmacological Interactions

1.3.   Pharmacokinetics

    1.3.1.   Methods of Analysis

    1.3.2.   Absorption

    1.3.3.   Distribution

    1.3.4.   Metabolism

    1.3.5.   Excretion

1.4.   Toxicology

    1.4.1.   Single Dose Toxicity

    1.4.2.   Repeated Dose Toxicity

    1.4.3.   Toxicokinetics

    1.4.4.   Carcinogenicity

    1.4.5.   Genotoxicity

    1.4.6.   Reproductive Toxicity

    1.4.7.   Tolerance

    1.4.8.   Dependency

1.5.   Regulation of Drugs for Human Use

    1.5.1.   Introduction

    1.5.2.   Authorization Procedures

    1.5.3.   How is a Drug Evaluated? Authorization File

    1.5.4.   Technical Data Sheet, Package Leaflet and EPAR

    1.5.5.   Conclusions

1.6.   Pharmacovigilance

    1.6.1.   Pharmacovigilance in Development

    1.6.2.   Pharmacovigilance in Marketing Authorization

    1.6.3.   Post-Authorization Pharmacovigilance

1.7.   Uses in Special Situations

    1.7.1.   Introduction

    1.7.2.   Examples

1.8.   From Authorization to Commercialization

    1.8.1.   Introduction

    1.8.2.   Drug Financing

    1.8.3.   Therapeutic Positioning Reports

1.9.   Special Forms of Regulation

    1.9.1.   Advanced Therapies

    1.9.2.   Accelerated Approval

    1.9.3.   Biosimilars

    1.9.4.   Conditional Approval

    1.9.5.   Orphan Drugs

1.10.   Dissemination of Research

    1.10.1.   Scientific Article

    1.10.2.   Types of Scientific Articles

    1.10.3.   Quality of Research Checklist

    1.10.4.   Drug Information Sources

Module 2. Clinical Trials (I)

Module 3. Clinical Trials (II)

Module 4. Clinical Trial Monitoring (I)

Module 6. Clinical Trial Coordination (I)

Module 7. Clinical Trial Coordination (II)

Module 8. Patient Monitoring in Clinical Trials

8.1. Patient Care in Outpatient Clinics
    8.1.1. Visits in the Protocol
        8.1.1.1. Visits and Procedures
        8.1.1.2. Window of Realization of the Different Visits
        8.1.1.3. Database Considerations
8.2. Materials Used in the Different Study Visits
    8.2.1. Questionnaires
    8.2.2. Drug Adherence Cards
    8.2.3. Symptom Cards
    8.2.4. Study Card
    8.2.5. Electronic Devices
    8.2.6. Suicide Risk Scales
    8.2.7. Material for the Displacement of Patients
    8.2.8. Others
8.3. Strategies for Patient Retention
    8.3.1. Possible Causes for Abandonment of a Clinical Trial
    8.3.2. Strategies and Solutions to the Possible Causes of Abandonment
    8.3.3. Long-Term Monitoring of Patients Leaving the Study Prematurely
8.4. Loss of Patient Follow-Up
    8.4.1. Definition of Loss of Monitoring
    8.4.2. Causes of Loss of Monitoring
    8.4.3. Resumption of Monitoring
        8.4.3.1. Re-Inclusion into the Protocol
8.5. Adherence to Pharmacological Treatment under Study
    8.5.1. Calculation of Adherence to Pharmacological Treatment
    8.5.2. Risk Factors for Therapeutic Non-Compliance
    8.5.3. Strategies to Strengthen Adherence to Treatment
    8.5.4. Treatment Dropout
    8.5.5. Study Drug Interactions
8.6. Monitoring of Adverse Reactions and Symptom Management in the Study Medication
    8.6.1. Study Medication
        8.6.1.1. Different Drug Presentations
        8.6.1.2. Procedure and Preparation of Study Medication
    8.6.2. Drug-Related Adverse Reactions
    8.6.3. Non-Drug Related Adverse Reactions
    8.6.4. Adverse Reaction Treatment
8.7. Monitoring of Patient Attendance at Study Visits
    8.7.1. Visit Calculator
    8.7.2. Study Visits Control
    8.7.3. Tools for Compliance and Visitor Control
8.8. Difficulties in Patient Monitoring Within a Clinical Trial
    8.8.1. Problems Related to Adverse Patient Events
    8.8.2. Problems Related to the Patients Work Situation
    8.8.3. Problems Related to the Patients Residence
    8.8.4. Problems Related to the Patients Legal Status
    8.8.5. Solutions and their Treatments
8.9. Monitoring of Patients in Treatment with Psychopharmaceuticals
8.10. Monitoring of Patients During Hospitalization

Module 9. Biostatistics

9.1. Study Design
    9.1.1. Research Question
    9.1.2. Population to be Analyzed
    9.1.3. Classification
        9.1.3.1. Comparison between Groups
        9.1.3.2. Maintenance of the Described Conditions
        9.1.3.3. Assignment to Treatment Group
        9.1.3.4. Blinding Degree
        9.1.3.5. Modality of Intervention
        9.1.3.6. Centers Involved
9.2. Types of Randomized Clinical Trials Validity and Biases
    9.2.1. Types of Clinical Trials
        9.2.1.1. Superiority Study
        9.2.1.2. Equivalence or Bioequivalence Study
        9.2.1.3. Non-Inferiority Study
    9.2.2. Analysis and Validity of Results
        9.2.2.1. Internal Validity
        9.2.2.2. External Validity

This will provide key training to advance your career"

Methodology

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

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

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

At TECH we use the Case Method

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

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

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

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

20%

15%

15%

3%

20%

17%

7%

3%

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.

Certificate

The Professional Master's Degree in Clinical Trials Management and Monitoring guarantees you, in addition to the most rigorous and up-to-date training, access to a Professional Master's Degree issued by TECH Technological University.
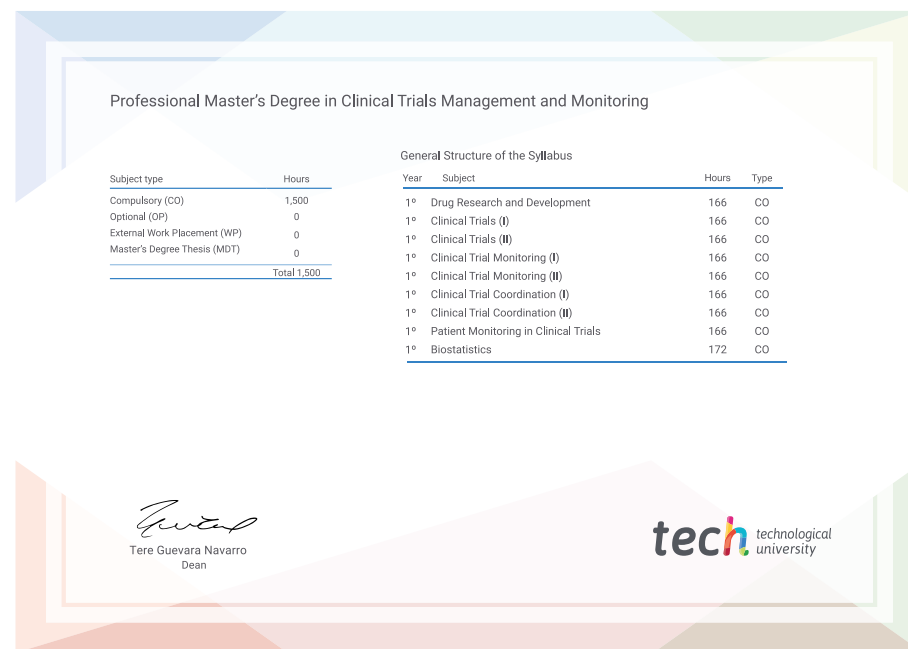
"

Successfully complete this program and receive your university diploma without travel or laborious paperwork"

This **Professional Master's Degree in Clinical Trials Management and Monitoring** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Professional Master's Degree** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Professional Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Professional Master's Degree in Clinical Trials Management and Monitoring**

Official Nº of hours: **1,500 h.**

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tech technological university

Awards the following
CERTIFICATE
to

Mr./Ms. _____ with identification number _____.
For having successfully passed and accredited the following program

PROFESSIONAL MASTER'S DEGREE
in

Clinical Trials Management and Monitoring

This is a qualification awarded by this University, equivalent to 1,500 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

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Professional Master's Degree in Clinical Trials Management and Monitoring

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
Total 1,500	

General Structure of the Syllabus

Year	Subject	Hours	Type
1º	Drug Research and Development	166	CO
1º	Clinical Trials (I)	166	CO
1º	Clinical Trials (II)	166	CO
1º	Clinical Trial Monitoring (I)	166	CO
1º	Clinical Trial Monitoring (II)	166	CO
1º	Clinical Trial Coordination (I)	166	CO
1º	Clinical Trial Coordination (II)	166	CO
1º	Patient Monitoring in Clinical Trials	166	CO
1º	Biostatistics	172	CO

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

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Professional Master's Degree
Clinical Trials Management and Monitoring

Course Modality: **Online**
Duration: **12 months**
Certificate: **TECH Technological University**
Official Nº of hours: **1,500 h.**

Professional Master's Degree
Clinical Trials Management and Monitoring

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