

Postgraduate Certificate

Technical and Executive Report



Postgraduate Certificate Technical and Executive Report

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/pk/information-technology/postgraduate-certificate/technical-executive-report

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01 Introduction

Technical and executive reports are of great importance in institutions for several reasons. Among them, they allow work teams to communicate detailed information to analyze results in a precise way. Thanks to this, leaders make the most opportune strategic decisions by acquiring an overview of key ideas. For this reason, companies are looking for cybersecurity professionals to identify threats and take action. In this context, computer scientists take on the challenge of mastering the techniques most commonly used by hackers to hinder industrial activity. For this reason, TECH implements a training program to enhance students' communication skills. In addition, it is based on a 100% online modality, guaranteeing the students' convenience.



DE

NODE

“

Make the most of the OOSTMM methodology in the best digital university in the world according to Forbes”

Faced with the growing attack of computer hacking, organizations need to strengthen their IT systems. Cybernetics specialists need to constantly update their knowledge and acquire new skills to differentiate themselves from the rest. In this sense, these experts have now more than ever the opportunity to embark on a new professional adventure. To do so, they need to exploit their creativity to the fullest and provide the most innovative solutions in the digital market.

To respond to this, TECH is launching a pioneering training through which students will be highly qualified and will produce rigorous reports to assess potential business risks. The academic itinerary will delve into the most effective strategies to tailor reports according to the audience, whether technical or executive level. In addition, students will explore different guides that will serve as guidelines during the document creation process. They will also delve into national methodologies for conducting operational safety measurement tests. As these materials will be client-focused, students will expose inquiries and sensitive data with special care. Finally, the importance of retake will be emphasized to re-evaluate past security incidents to ensure that they have been adequately resolved.

In order to strengthen the mastery of the contents, this syllabus applies the state-of-the-art Relearning system. It should be noted that TECH is a pioneer in the use of this teaching model, which promotes the assimilation of complex concepts through the natural and progressive reiteration of them. In this line, the academic itinerary is also nourished by materials in various formats such as interactive summaries or explanatory videos. All this in a comfortable and flexible 100% online modality, which allows students to adjust their schedules according to their responsibilities.

This **Postgraduate Certificate in Technical and Executive Report** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Technical and Executive Report
- ♦ The graphic, schematic and practical contents with which it is conceived provide cutting- Therapeutics and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



You will report vulnerabilities and be able to quantify their scope. Sign up now for this comprehensive program!"

“

You will achieve your objectives thanks to TECH's didactic tools, including explanatory videos and interactive summaries”

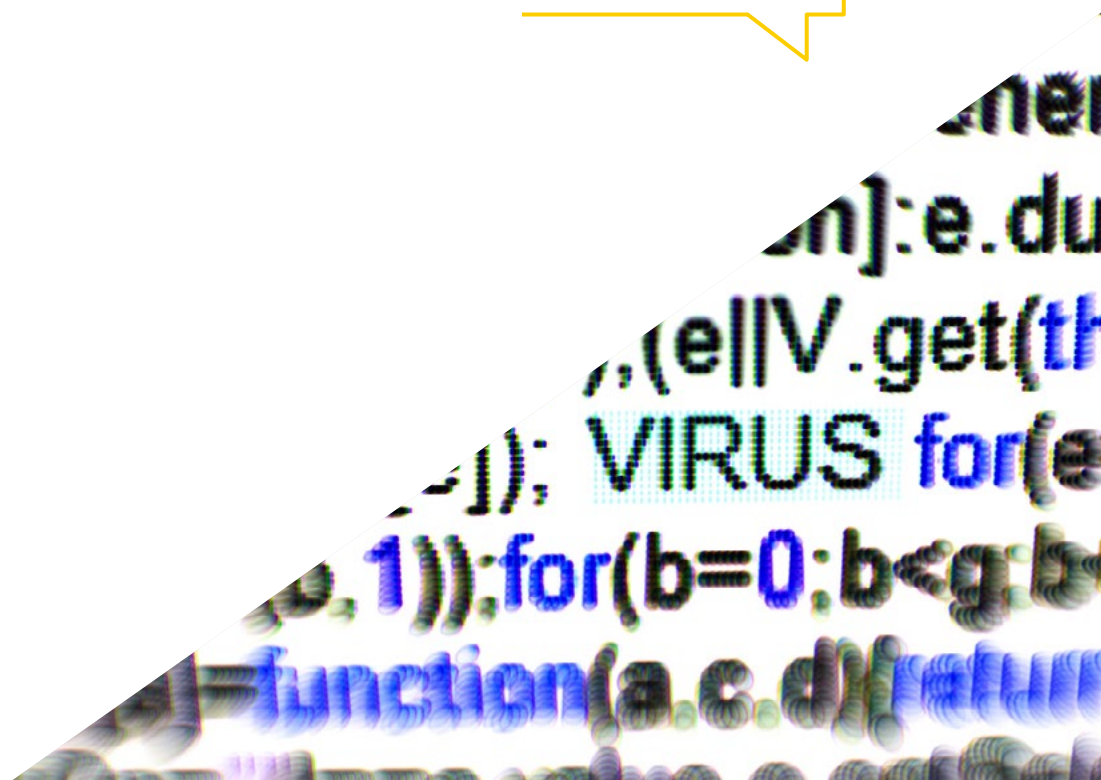
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 education programmed to learn in real situations.

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

Looking to offer the most detailed institutional reports? Unleash your creativity and bet on TECH.

Detect the most common mistakes in the preparation of documentation and become the most creative pentester.



02 Objectives

The design of this academic pathway focuses on the crucial communication skills that should define cybersecurity experts. Students will learn to produce both technical and executive reports, capable of effectively presenting findings derived from pentesting and Red Team assessments. Through practical exercises, students will convey detailed information to contribute to decision making in institutional environments.



“

At your own speed: the Relearning methodology used in this Postgraduate Certificate will allow you to learn in an autonomous and progressive way”



General Objectives

- ♦ Acquire advanced skills in penetration testing and Red Team simulations, addressing the identification and exploitation of vulnerabilities in systems and networks
- ♦ Develop leadership skills to coordinate teams specialized in offensive cybersecurity, optimizing the execution of Pentesting and Red Team projects
- ♦ Develop skills in the analysis and development of malware, understanding its functionality and applying defensive and educational strategies
- ♦ Refine communication skills by preparing detailed technical and executive reports, presenting findings effectively to technical and executive audiences
- ♦ Promote an ethical and responsible practice in the field of cybersecurity, considering ethical and legal principles in all activities
- ♦ Keep students up-to-date with emerging trends and technologies in cybersecurity



*You will be supported by
a faculty of distinguished
cybersecurity professionals”*





Specific Objectives

- ♦ Develop skills to prepare detailed technical reports, presenting clearly and completely the findings, methodologies used and recommendations
- ♦ Learn to communicate effectively with technical audiences, using precise and appropriate language to convey complex technical information
- ♦ Develop skills to formulate actionable and practical recommendations aimed at mitigating vulnerabilities and improving security posture
- ♦ Learn to assess the potential impact of identified vulnerabilities, considering technical, operational and strategic aspects
- ♦ Familiarize the learner with best practices for executive reporting, adapting technical information for non-technical audiences
- ♦ Develop competencies to align findings and recommendations with the strategic and operational objectives of the organization
- ♦ Learn how to use data visualization tools to graphically represent the information contained in the reports, facilitating comprehension
- ♦ Promote the inclusion of relevant information on compliance with regulations and standards in reports, ensuring adherence to legal requirements
- ♦ Foster effective collaboration between technical and executive teams, ensuring understanding and support for the improvement actions proposed in the report

03

Course Management

In line with its philosophy of providing educational excellence, TECH brings together a first class teaching staff. They are professionals in Pentesting and Red Team, who have extensive work experience in renowned companies in the digital sector. In this sense, they offer students the best tools to acquire communication skills when preparing technical and executive reports. Students therefore have the guarantees they require to make a leap in their careers by developing the most innovative business solutions.



“

*You will have access to a library full
of multimedia resources in different
audiovisual formats”*

Management



Mr. Gómez Pintado, Carlos

- Manager of Cybersecurity and Network Team Cipherbit in Oesía Group
- Manager Advisor & Investor at Wesson App
- Graduate in Software Engineering and Information Society Technologies, Polytechnic University of Madrid
- Collaboration with educational institutions for the development of Higher Level Training Cycles in cybersecurity



04

Structure and Content

This Postgraduate Certificate provides students with a comprehensive approach to writing detailed technical and executive reports. To this end, the syllabus will delve into various techniques for both writing and drafting. The students will address the structure of reports, while at the same time adjusting them to the needs of each institution. In this way, they will master the correct terminology and report vulnerabilities accurately. In addition, various methodologies (including LINCE) for the evaluation and certification of security products will be explored. Graduates will enhance their communication skills, being able to disseminate reports in a creative way.

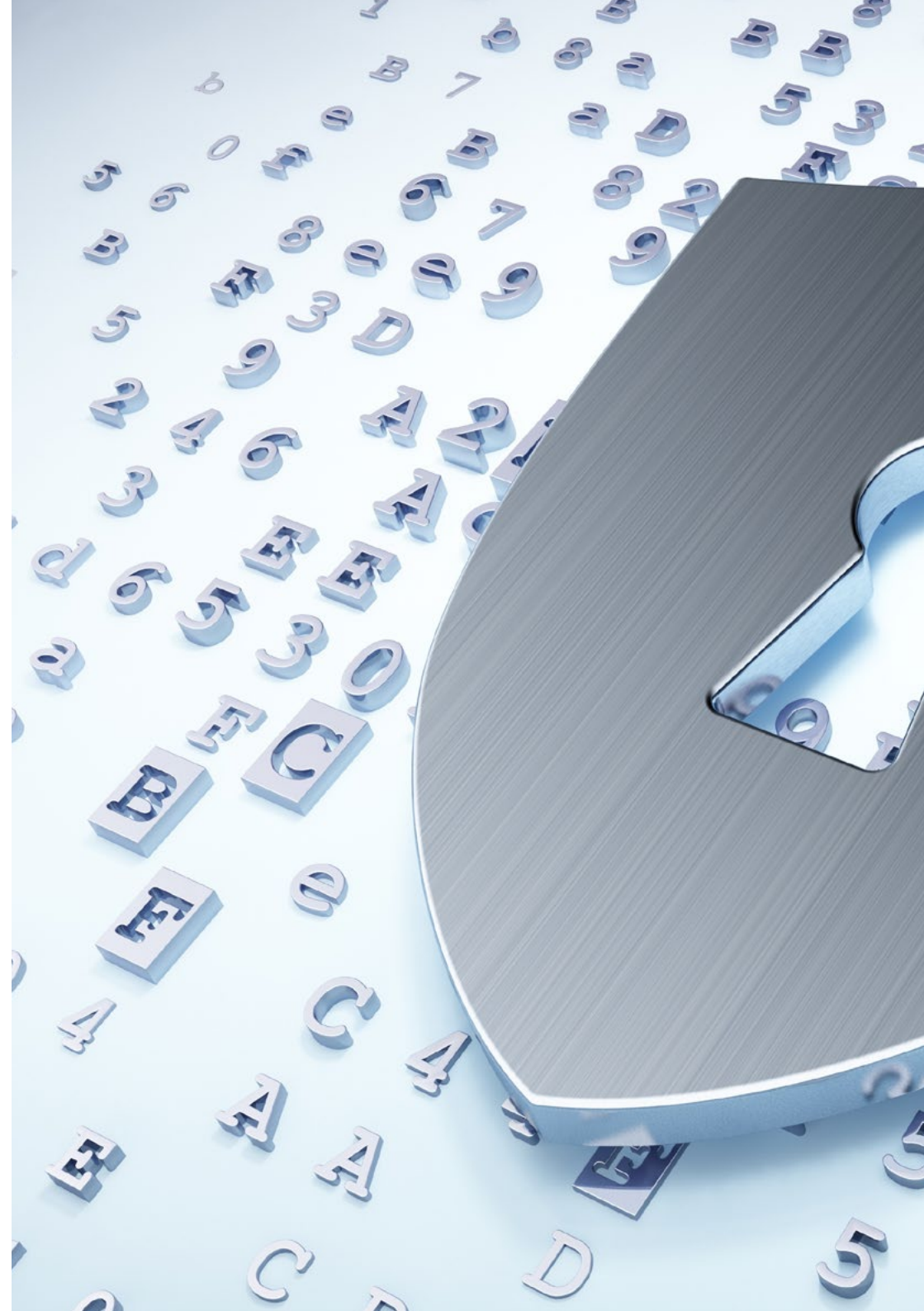


“

Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice”

Module 1. Technical and Executive Report

- 1.1. Report Process
 - 1.1.1. Report Structure
 - 1.1.2. Report Process
 - 1.1.3. Key Concepts
 - 1.1.4. Executive vs Technical
- 1.2. Guidelines
 - 1.2.1. Introduction
 - 1.2.2. Guide Types
 - 1.2.3. National Guides
 - 1.2.4. Case Uses
- 1.3. Methods
 - 1.3.1. Assessment
 - 1.3.2. Pentesting
 - 1.3.3. Common Methodologies Review
 - 1.3.4. Introduction to National Methodologies
- 1.4. Technical Approach to the Reporting Phase
 - 1.4.1. Understanding the Limits of Pentester
 - 1.4.2. Language Usage and Clues
 - 1.4.3. Information Presentation
 - 1.4.4. Common Errors
- 1.5. Executive Approach to the Reporting Phase
 - 1.5.1. Adjusting the Report to the Context
 - 1.5.2. Language Usage and Clues
 - 1.5.3. Standardization
 - 1.5.4. Common Errors
- 1.6. OSSTMM
 - 1.6.1. Understanding the Methodology
 - 1.6.2. Assessment
 - 1.6.3. Documentation
 - 1.6.4. Creating a Report





- 1.7. LINCE
 - 1.7.1. Understanding the Methodology
 - 1.7.2. Assessment
 - 1.7.3. Documentation
 - 1.7.4. Creating a Report
- 1.8. Reporting Vulnerabilities
 - 1.8.1. Key Concepts
 - 1.8.2. Scope Quantification
 - 1.8.3. Vulnerabilities and Evidence
 - 1.8.4. Common Errors
- 1.9. Focusing the Report on the Customer
 - 1.9.1. Importance of Job Testing
 - 1.9.2. Solutions and Mitigations
 - 1.9.3. Sensitive and Relevant Data
 - 1.9.4. Practical Examples and Cases
- 1.10. Reporting Retakes
 - 1.10.1. Key Concepts
 - 1.10.2. Understanding Legacy Information
 - 1.10.3. Error Checking
 - 1.10.4. Adding Information



No preset schedules or evaluation timelines: that's what this TECH program is like"

05 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"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

“*Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



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.

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



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.



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 future difficult decisions.



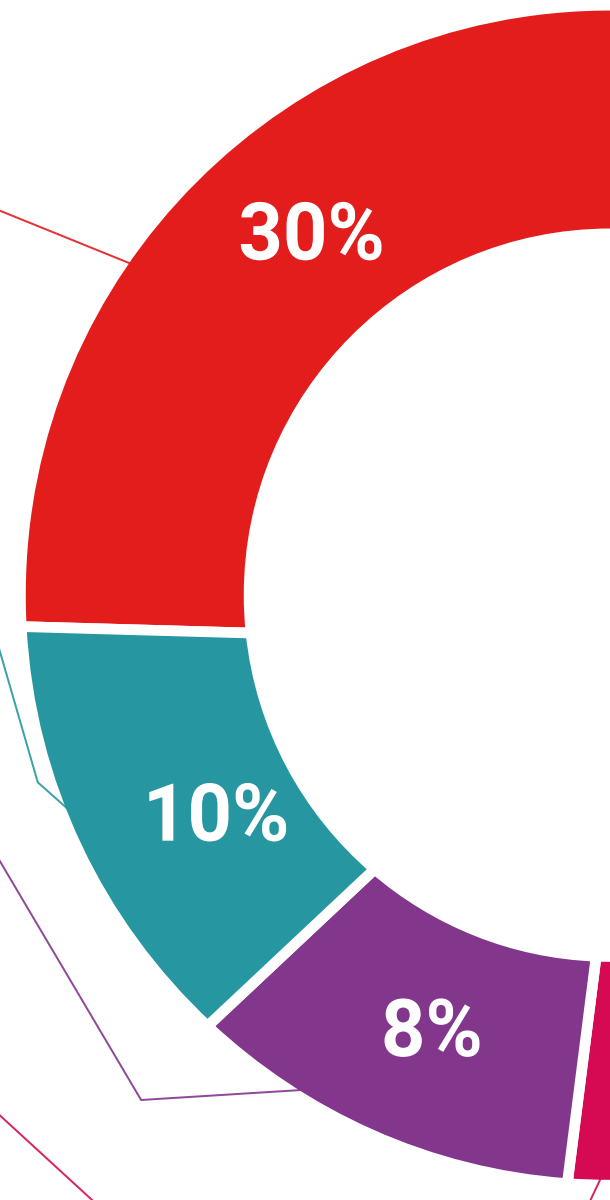
Practising Skills and Abilities

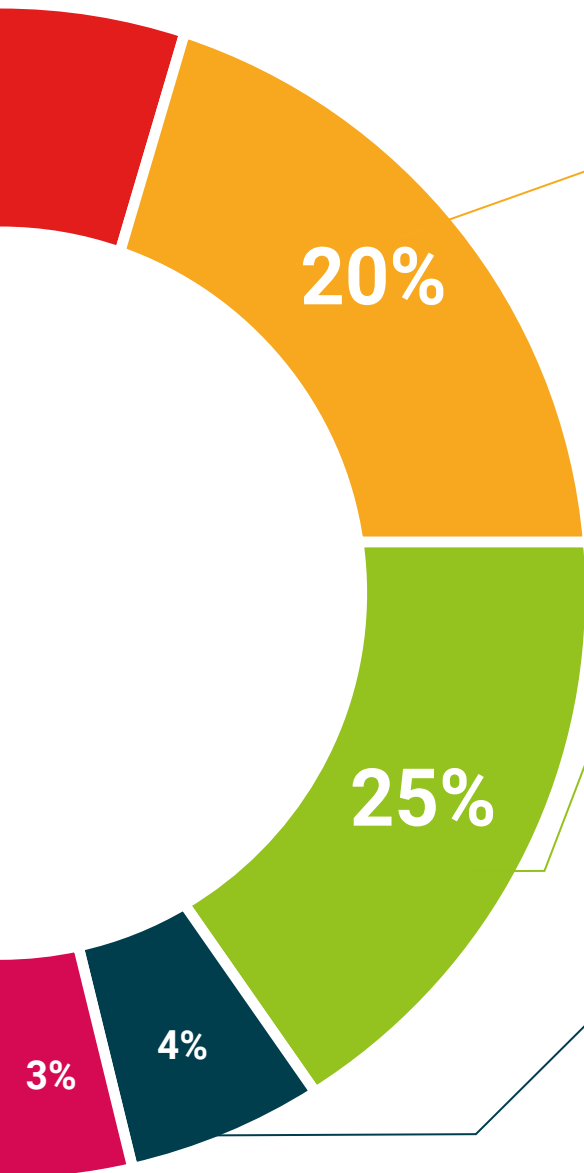
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



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.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



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".



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.



06 Certificate

The Postgraduate Certificate in Technical and Executive Report guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



“

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

This **Postgraduate Certificate in Technical and Executive Report** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Certificate in Technical and Executive Report**

Official N° of Hours: **150 h.**





Postgraduate Certificate Technical and Executive Report

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Postgraduate Certificate

Technical and Executive Report