Postgraduate Certificate
Pentesting Project Management

tech global university

Postgraduate Certificate
Pentesting Project Management

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

Website: **www.techtitute.com/us/information-technology/postgraduate-certificate/pentesting-project-management**

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01
Introduction

In a landscape where cybersecurity is rapidly evolving, it requires not only solid technical knowledge, but also leadership skills to plan and execute *pentesting* projects. With the growing demand for experts capable of leading cybersecurity projects, especially in this area, the syllabus emerges as a comprehensive response to the needs of the industry. This program focuses on the development of essential skills, from effective role assignment and team management to the ability to generate detailed reports and achieve strategic objectives. Delivered 100% online, with a wide variety of multimedia content and using the *Relearning*methodology, this itinerary prepares professionals to stand out as leaders at the forefront of cybersecurity.

You will be at the head of the best pentesting teams thanks to this exclusive university program with the TECH seal of quality"

In today's cybersecurity landscape, characterized by the constant evolution of cyber threats, the need for professionals trained to lead pentesting projects becomes more pressing than ever. In this sense, the complexity of digital environments demands not only solid technical knowledge, but also strategic management skills to address specific challenges.

In this context, this program provides a comprehensive response to these needs, preparing professionals to anticipate and counter constantly evolving threats, ensuring that they are equipped with the necessary skills to lead such projects effectively.

During the development of this program in Pentesting Project Management, graduates will address key aspects for the successful management of cybersecurity projects. In addition, students will develop skills to plan projects, defining objectives, scope, resources and deadlines accurately. They will also focus on the efficient management of budgets and resource allocation, maximizing efficiency and minimizing costs in security projects. In this sense, improving effective communication with *stakeholders* will also be a major focus, so professionals will be trained in presenting reports and updates in a clear and understandable manner, strengthening collaboration with the teams involved.

This syllabus is delivered through a 100% online methodology, providing flexibility to adapt to students' schedules. The innovative *Relearning* approach, based on the repetition of key concepts, is used to anchor knowledge and facilitate effective and lasting learning. This combination of accessibility and robust pedagogical approach makes the program a unique opportunity to acquire specialized Pentesting Project Management skills and excel in a challenging cyber environment.

This **Postgraduate Certificate in Pentesting Project Management** contains the most complete and up-to-date program on the market. The most important features include:

- The development of case studies presented by experts in Pentesting Project Management
- 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

Enroll in this 100% online program with a Relearning methodology for a flexible and effective learning experience"

You will delve into international cybersecurity regulation without rigid schedules and evaluation timelines.

You will effectively manage cybersecurity projects in just 6 weeks.

" *You will efficiently lead pentesting teams in the best rated university in the world by its students according to the Trustpilot platform (4.9/5)"*

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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.

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Objectives

The main objective of this university program is to train graduates in the mastery of strategies for the effective implementation of cybersecurity projects. Thanks to this syllabus, students will master the necessary skills to ensure the successful implementation of planned measures, comprehensively addressing the specific challenges of project management in the field of security. With a straightforward and practical approach, students will develop key competencies that will enable them to lead *pentesting* projects effectively, thus strengthening cyber defenses in a strategic manner.

" *You will master the creation and management of cybersecurity teams. Achieve your goals with TECH!"*

General Objectives

- 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

Specific Objectives

- Develop skills to plan cyber security projects, defining objectives, scope, resources and execution deadlines
- Learn strategies for the effective execution of security projects, ensuring the successful implementation of planned measures
- Develop skills for efficient budget management and resource allocation in security projects, maximizing efficiency and minimizing costs
- Improve effective communication with stakeholders, presenting reports and updates in a clear and understandable manner
- Learn project monitoring and control techniques, identifying deviations and taking corrective actions as necessary
- Familiarize students with Agile Pentesting methodologies

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

03
Course Management

In putting together the teaching staff for the Postgraduate Certificate in Pentesting Project Management, TECH has brought together the best specialists, distinguished by their extensive and recognized professional background in leading companies in the cybersecurity sector. Each member of this select faculty brings valuable, up-to-date experience derived from their backgrounds in leading business environments. This careful selection of faculty ensures that graduates benefit from direct, hands-on guidance from experts who have faced and overcome significant challenges in managing *pentesting*projects.

Get an update on effective communication strategies from the best experts in the field. Launch your career with TECH!"

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

Professors

Mr. González Sanz, Marcos

- Cybersecurity Consultant-Network Teamer Cipherbit in Oesía Group
- Software Engineer, Polytechnic University of Madrid
- *Cybersecurity Tutor* and *Core Dumped* Specialist

04
Structure and Content

The syllabus delves into the crucial area of cyber security, focusing on the development of skills to plan projects with precision. Throughout the syllabus, graduates will be immersed in the detailed definition of objectives, scope, resource allocation and timelines. Likewise, this direct approach ensures that students acquire competencies in the effective management of *pentesting* projects, preparing them to lead initiatives that address security challenges and strengthen cyber defenses. In this sense, with the application of the *Relearning* method, the students will integrate the key concepts in a natural and progressive way.
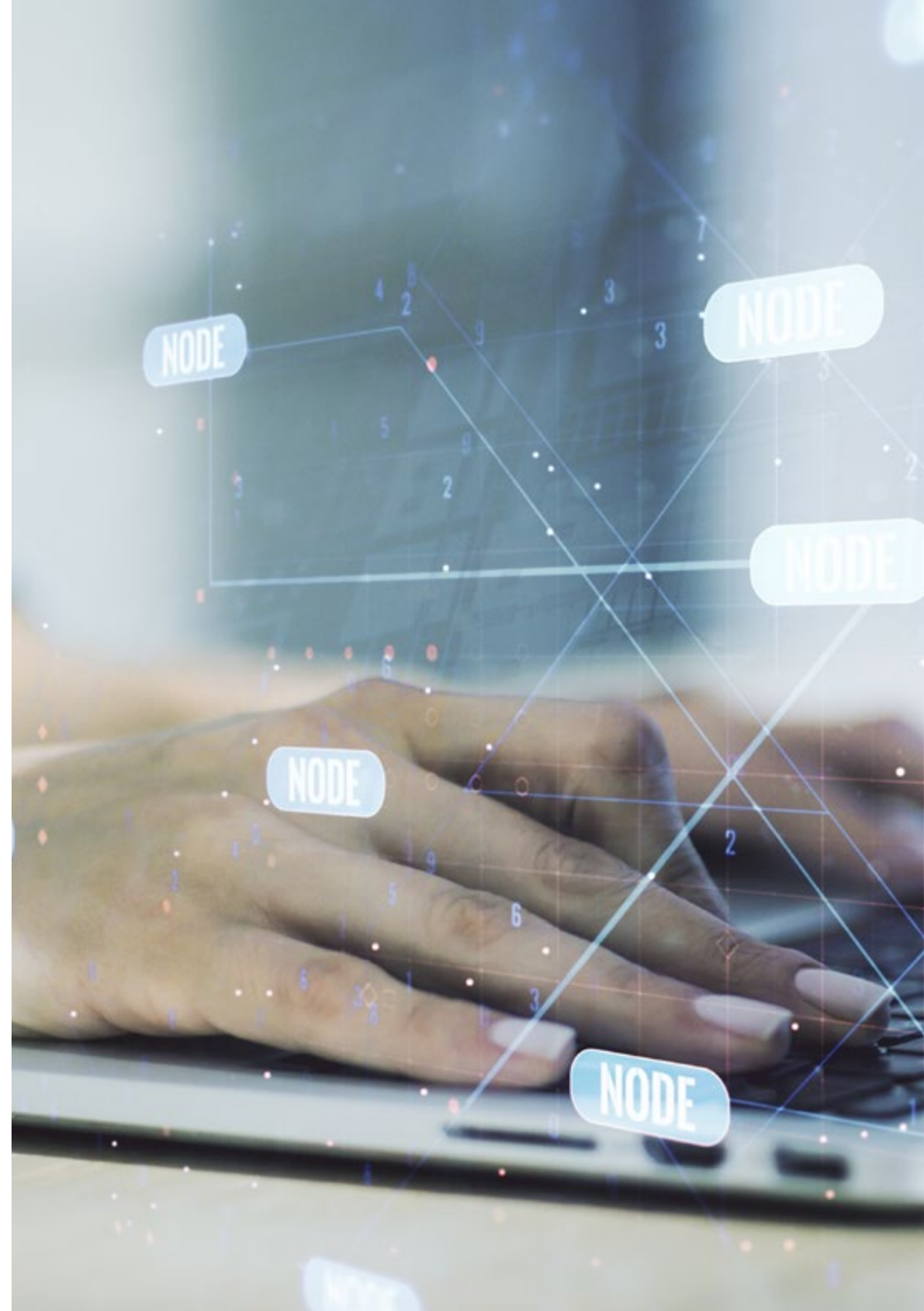
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"
You will go deep into the lifecycle of a a Security Project through 180 hours of the best digital teaching"

Module 1. Security Project Management

A program that stands out for its flexibility with a 100% online format to adapt to the schedules of busy professionals"

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.

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)

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.

30%

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.

10%

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.

8%

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%

25%

4%

3%

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 Pentesting Project Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Certificate in Pentesting Project Management** 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 Pentesting Project Management**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

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Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Certificate in Pentesting Project Management

This is a program of 180 hours of duration equivalent to 6 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

Dr. Pedro Navarro Illana
Rector

Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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.

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