Postgraduate Certificate
Regulatory Compliance for Information Security in IT Projects

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Postgraduate Certificate
Regulatory Compliance for Information Security in IT Projects

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

Website: **www.techtitute.com/us/information-technology/postgraduate-certificate/regulatory-compliance-information-systems-it-projects**

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01
Introduction

The digital age has brought countless improvements, allowing more people to connect anywhere around the world. However, it has also provided a growing concern for maintaining sensitive information privacy. That is why developers and computer scientists need to be trained in the International Standards that exist surrounding Secure Data Processing, adopting a professional profile in high demand by global companies. In this program students will be able to learn everything related to the secure and correct use of Personal Data, as well as the methods to avoid the risks of suffering an attack on Technological Systems.

Companies take the security of their users' information very seriously. Sign up for the program and get trained in Data Security Regulations"

In the modern world, every company has an IT team, which makes it inconceivable for a technology department not to comply with the security protocols established by different entities, such as the European Parliament. Compliance with these regulations should not be seen as a legal imposition, but rather as an opportunity for improvement for any organization.

In this sense, identifying the obligations regarding Regulations, the Rights of individuals and the treatment of Personal Data, will allow for risk and weakness detection in these matters. In this Postgraduate Certificate, students will study the relevance of such Regulations and the Legal Framework in force regarding the Protection of Information, as well as the penalties companies are subject to if they incur in any malpractice.

Thus, thanks to these contents, students will be able to guarantee the correct handling of user personal information on any program developed in the IT department. Therefore, they will enhance their professional profile at an international level.

This **Postgraduate Certificate in Regulatory Compliance for Information Security in IT Projects** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- Analysis of everything involved in the Management and Direction of an IT Project, both in a productive and human sense
- Specific knowledge in the field of Team Management, with Innovative Methodologies adapted to New Technological Realities
- Extensive audiovisual content throughout the learning process, which makes study work easier and more enjoyable
- Content that is accessible from any fixed or portable device with an Internet connection

Determine the main Information Security measures to be taken into account during the development of a project"

Develop techniques to ensure compliance with Data Protection Regulations.

Establish Security Regulatory frameworks and the main security-related Certifications available.

" *With this Postgraduate Certificate you will become an expert in Data Security Regulation"*

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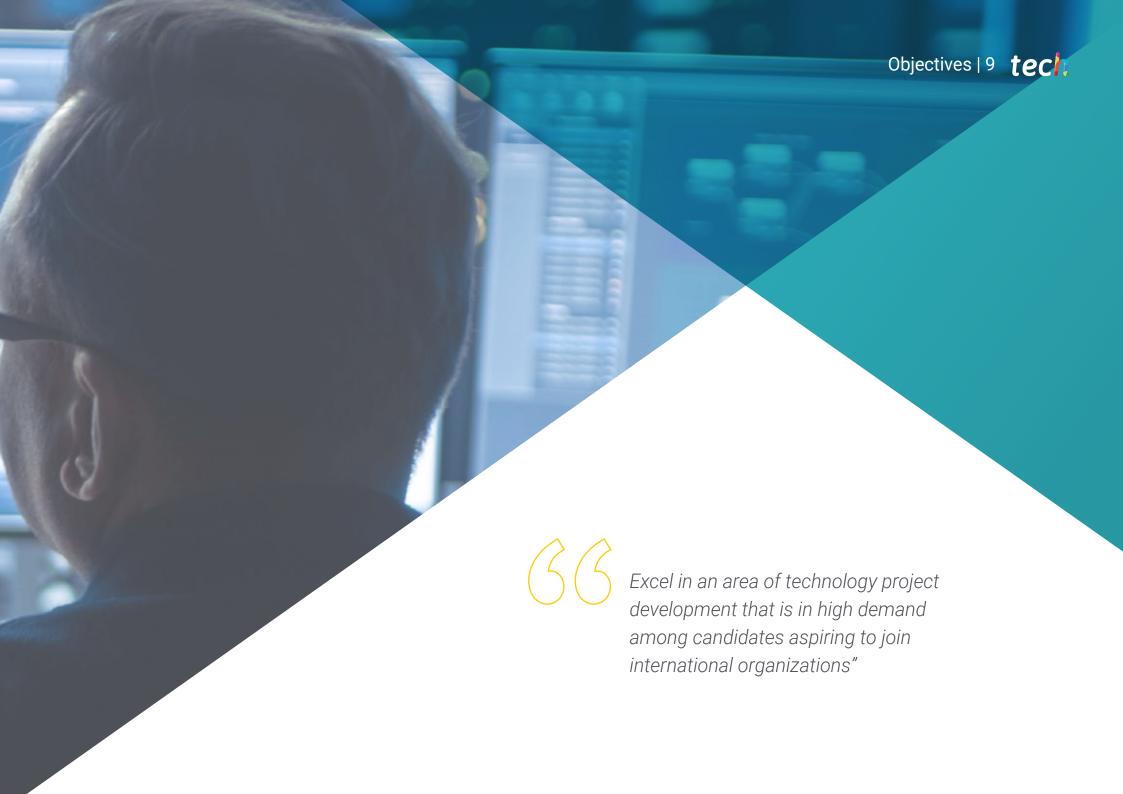
This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced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

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Objectives

This Postgraduate Certificate aims to provide its students with the opportunity to specialize in Personal Data Processing in software development, as well as in the entire legal framework that must be taken into account to avoid penalties to the company or the misuse of sensitive information. Therefore, upon completion of the program, students will be able to correctly implement Security Methods for Personal Data Processing in all types of Technological Projects.

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Excel in an area of technology project development that is in high demand among candidates aspiring to join international organizations"

General Objectives

- Analyze the Data Protection Regulatory Framework
- Determine the principles that should guide Personal Data Processing
- Develop the principles of Data Protection by design and by default
- Determine the main safety measures to be taken into account during the Development of a Project
- Assess and Manage the Project Risks involving Personal Data Processing

Assess and manage the project risks involving Personal Data Processing"

Specific Objectives

- Examine Data Protection Regulation
- Analyze the different principles that govern Personal Data Processing
- Establish the bases that legitimize Personal Data Processing
- Compile the rights of individuals in terms of Data Protection, their exercise and attention
- Identify and evaluate risks in order to adequately develop a Risk Treatment Plan
- Develop techniques to ensure compliance with Data Protection Regulations
- Determine the activities and phases in which the Data Protection Impact Assessment Process is structured and the influence of technology on its outcome
- Establish Security Regulatory Frameworks and the main security-related Certifications available
- Compile the violations that can be incurred for regulations non-compliance and associated penalties

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Course Management

The teaching staff for this Postgraduate Certificate has been selected based on their extensive expertise in the area. Their academic experience stands out, thanks to the various doctorates and master's degrees they have completed in fields such as economics, computer engineering and legal consultancy. Likewise, their work experience in the best companies in the sector has opened doors for them to work as CTOs and legal consultants. For all these reasons, they are more than qualified to help this program's students to learn about the legal framework governing data protection.

"

The experts gathered for this Postgraduate Certificate will help you understand the legal framework to ensure data security"

Management

Dr. Peralta Martín-Palomino, Arturo

- CEO and CTO at Prometeus Global Solutions
- CTO in AI Shephers GmbH
- CTO at Korporate Technologies
- Director of Design and Development at DocPath Document Solutions
- Computer Engineer from the University of Castilla la Mancha
- Doctorate in Psychology from the University of CastillaLa
- PhD in Economics, Business and Finance from the Camilo José Cela University
- Master's Degree in Advanced Information Technologies from the University of Castilla la Mancha
- MBA+E (Master's Degree in Business Administration and Organizational Engineering) from the University of Castilla la Mancha

Professors

Ms. Palomino Dávila, Cristina

- Consultant and Senior GRC Auditor at Oesía Networks
- Audit Sub-Directorate - General Secretariat in Compañía Logística de Hidrocarburos CLH
- Senior consultant and auditor in the field of Personal Data Protection and information society services at Helas Consultores
- Graduate in Law from the University of Castilla La Mancha
- Master's Degree in Legal Consultancy for Businesses from the Instituto de Empresa
- Advanced Course in Digital Security and Crisis Management, University of Alcalá and the Spanish Security and Crisis Alliance (AESYC)
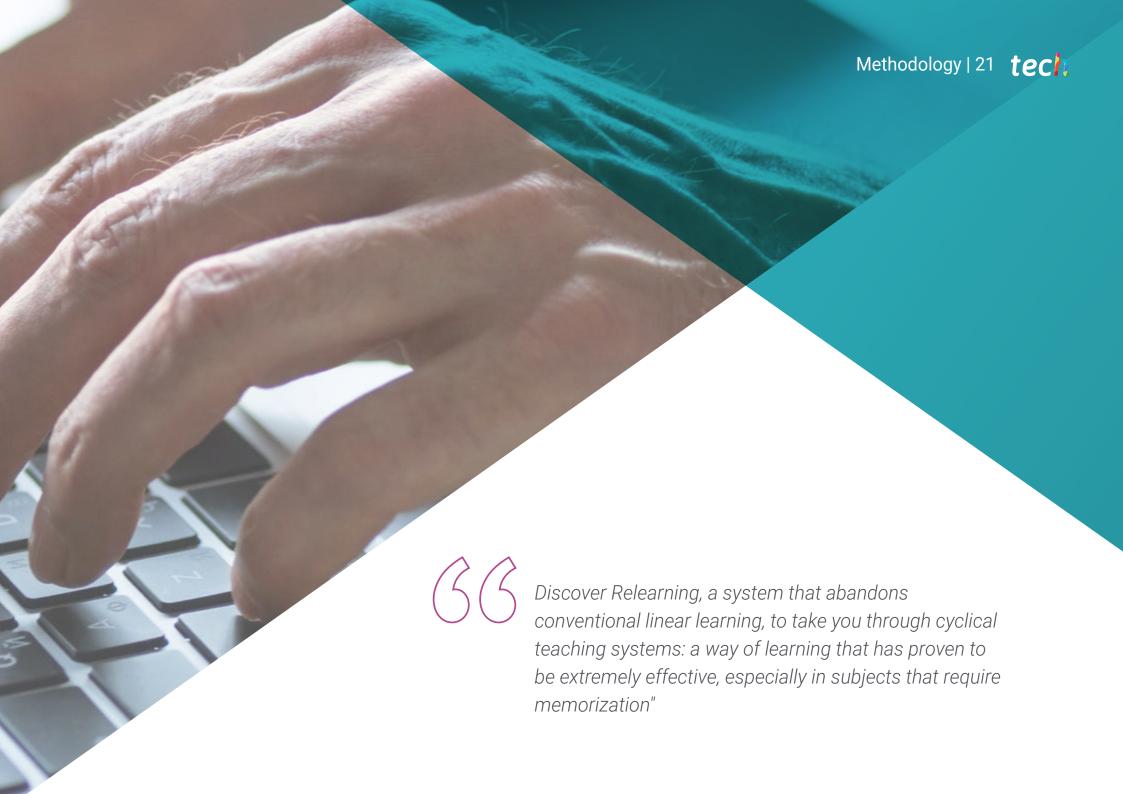
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Structure and Content

The program structure has been designed by a group of experts who understand the importance of maintaining Data Security in any company. Therefore, special emphasis will be placed on the relevance of knowing the Regulations and the Legal Framework in force to protect user information. The infractions and sanctions that can be incurred in case of a bad practice will be discussed as well.

By enrolling in the program, you will go one step further. You will acquire unique knowledge that many take years to learn"

Module 1. Regulatory Compliance for Information Security in IT Projects

1.1. Data Protection Regulation

1.1.1. Regulatory Framework

1.1.2. Subjects Obliged to Comply with Regulations

1.1.2.1. Data controllers, Co-responsible Parties and Data Processors

1.1.3. Data Protection Officer

1.2. Treatment of Personal Data

1.2.1. Fairness, Loyalty and Transparency

1.2.2. Purpose Limitation

1.2.3. Data Minimization, Accuracy and Retention Period Limitations

1.2.4. Integrity and Confidentiality

1.2.5. Proactive Responsibility

1.3. Data Protection by Design and by Default

1.3.1. Data Pseudonymization

1.3.2. Data Minimization

1.3.3. Organizational Measures in Accordance with the Purpose of Processing

1.4. Bases of Lawfulness or Legitimacy and Authorizations for Processing: Data Communication

1.4.1. Consent

1.4.2. Contractual Relationship or Pre-contractual Measures

1.4.3. Fulfilling Legal Obligations

1.4.4. Vital Interests Protection for Interested Parties or Others

1.4.5. Public Interest or the Exercise of Public Powers

1.4.6. Legitimate Interests: Interest Weighting

1.5. Individuals Rights

1.5.1. Transparency and Information

1.5.2. Access

1.5.3. Rectification and Deletion (Right to Be Forgotten), Limitation and Portability

1.5.4. Opposition and Automated Individual Decisions

1.5.5. Limits to Rights

1.6. Risks Analysis and Management of Personal Data Processing

1.6.1. Identification of Risks and Threats to the Rights and Freedoms of Individuals

1.6.2. Risk Assessment

1.6.3. Risk Management Plans

1.7. Techniques to Ensure Data Protection Regulations Compliance

1.7.1. Identification of Proactive Accountability Measures

1.7.2. Processing Activities Register

1.7.3. Security Breach Management

1.7.4. Codes of Conduct and Certifications

1.8. Data Protection Impact Assessment (DPA or DPIA)

1.8.1. Studying the Need for DPIA

1.8.2. Assessment Methodology

1.8.3. Risk and Threat Identification

1.8.4. Prior Consultation with the Control Authority

1.9. Information Security

1.9.1. Security Regulatory Framework

1.9.2. ICT Security Products Assessment and Certification

1.9.3. STIC Products and Services Catalog (CPSTIC)

1.10. Control Authorities: Violations and Penalties

1.10.1. Violations

1.10.2. Fines

1.10.3. Penalty Procedure

1.10.4. Control Authorities and Cooperation Mechanisms

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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

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

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

We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.

A learning method that is different and innovative

This intensive Information Technology program at TECH Technological University prepares you to face all the challenges in this field, both nationally and internationally. We are committed to promoting your personal and professional growth, the best way to strive for success, that is why at TECH Technological University you will use Harvard *case studies*, with which we have a strategic agreement that allows us, to offer you material from the best university in the world.

"

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.

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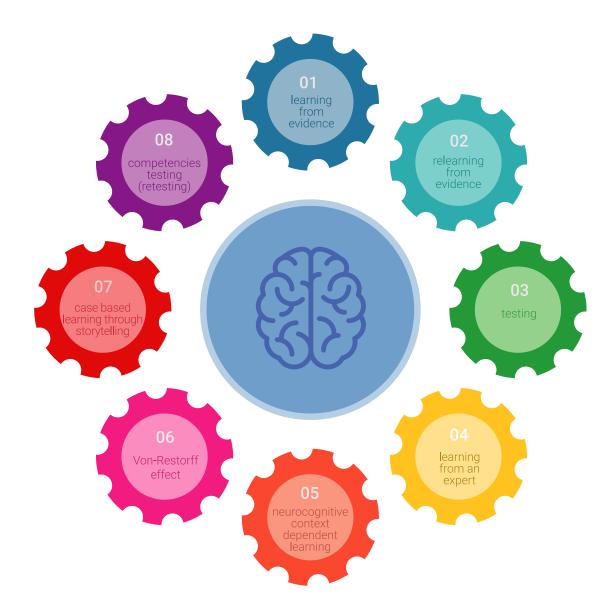
Relearning Methodology

Our university is the first in the world to combine Harvard University case studies with a 100%-online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance Harvard case studies 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 university 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.

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.
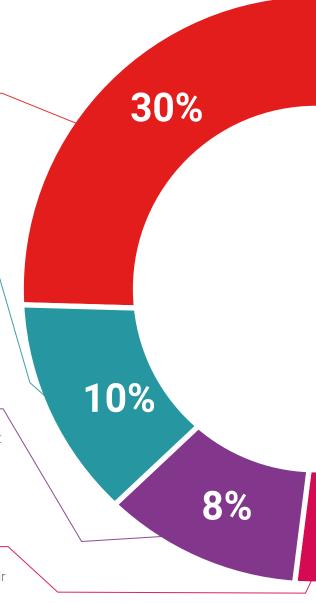
Practising Skills and Abilities

They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization we live in.
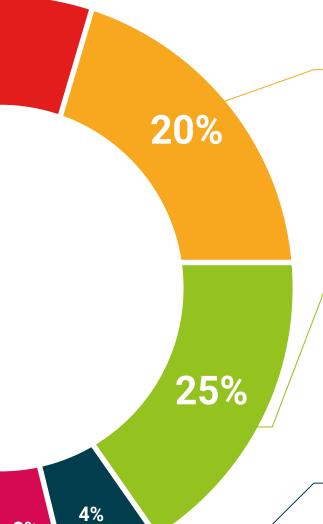
Additional Reading

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.

30%

10%

8%

20%

25%

4%

3%

Case Studies

They will complete a selection of the best case studies in the field used at Harvard. Cases that are presented, analyzed, and supervised by the best senior management 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 multimedia content presentation training Exclusive system 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 your goals.

Certificate

The Postgraduate Certificate in Regulatory Compliance for Information Security in IT Projects guarantees, in addition to the most rigorous and update training, access to a Postgraduate Certificate issued by TECH Technological University.

Successfully complete this training and receive your university degree without travel or laborious paperwork"

This **Postgraduate Certificate in Regulatory Compliance for Information Security in IT Projects** contains the scientific most complete and update program on the market

After you have passed the evaluations, you will receive your corresponding by **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The diploma 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 from career evaluation committees.

Title: **Postgraduate Certificate in Regulatory Compliance for Information Security in IT Projects**

Official N° of hours: **150 h.**

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Awards the following

DIPLOMA

to

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

POSTGRADUATE CERTIFICATE

in

Regulatory Compliance for Information Security in IT Projects

This is a qualification awarded by this University, equivalent to 150 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

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

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