Postgraduate Certificate
Cloud Infrastructure Governance

tech global university

Postgraduate Certificate
Cloud Infrastructure Governance

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

Website: **www.techtitute.com/pk/information-technology/postgraduate-certificate/cloud-infrastructure-governance**

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01
Introduction

In the Cloud Environment there are vital factors such as the existing legislation and applicable regulations. In addition, each country has particular requirements in terms of the data it holds and the security of cloud operations. This is the reason why many companies need a professional prepared to address the reality of the field of Compliance, Governance and Privacy in Cloud Environments. This fact has led TECH to design this program that seeks to develop the skills and knowledge of the student in the field of Cloud Governance, addressing issues such as Laws, Regulations, Approvals and Certifications. All this in a comfortable 100% online mode and with the most dynamic and practical materials on the market.

Deepen in the Laws, Regulations and Regulatory Frameworks of the Cloud Environment"

Within the scope of *Cloud* Infrastructures, there are some aspects of vital importance and this is the case of Governance. Compliance with Regulations, Legislation, Technical Requirements and Standards is essential for companies to achieve their objectives efficiently. For this reason, there is an increasing demand for expert professionals who have mastered the Governance requirements of this sector.

This indisputable reality has led TECH to design a program focused on the deepening of such a relevant area, with which it seeks to develop the professional profiles of students in the knowledge of technological legislation in different parts of the world. And this, through an agenda that addresses issues such as the Shared Responsibility Model, the CISO in *Cloud* Governance, Approvals and Regulatory Frameworks or Certifications and Accreditations required in the cloud, among others.

All this in a Postgraduate Certificate in Cloud Infrastructure Governance that follows a 100% online mode and seeks to offer the most updated theoretical and practical contents of the academic market. In addition, the students has total freedom of time and study organization, in addition to the ease of being able to access all the information from anywhere and with any device with Internet connection, whether tablet, mobile or computer.

This **Postgraduate Certificate in Cloud Infrastructure Governance** 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 Cloud Infrastructure Governance
- The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used 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

Become an expert in cloud legislation and comply with all technical and regulatory requirements"

Address existing approvals and regulatory frameworks in different parts of the globe and boost your professional profile"

Improve your skills and acquire new competencies in Corporate Governance.

Show what you are worth and reach your most demanding work goals, thanks to this complete program in Cloud Infrastructure Governance.

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

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.

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Objectives

The objective of this program is to provide students with an in-depth analysis of the challenges faced by a company in *cloud* governance and to develop the skills and knowledge necessary to address them as successfully as possible. All this thanks to practical activities and the most dynamic, complete and up-to-date content on the academic market.

TECH's goal is to enhance your skills so that you will be able to meet any legislative challenge you may face"

General Objectives

- Develop specialized knowledge about what infrastructures are and what motivations exist for their transformation to the cloud

- Acquire the skills and knowledge necessary to implement and manage IaaS solutions effectively

- Acquire specialized knowledge to add or remove storage and processing capacity quickly and easily, enabling you to adapt to fluctuations in demand

- Examine the scope of *Network DevOps*, demonstrating that it is an innovative approach for network management in IT environments

- Understand the challenges faced by an enterprise in Cloud governance and how to address them

- Use security services in *Cloud*environments such, as Firewalls, SIEMS and threat protection, to secure applications and services

- Establish best practices in the use of *Cloud* Services and the main recommendations when using them

- Increase user efficiency and productivity: by enabling users to access their applications and data from anywhere and on any electronic device, VDI can improve user efficiency and productivity

- Gain specialized knowledge about Infrastructure as Code

- Identify key points to demonstrate the importance of investing in backup and monitoring in organizations

Specific Objectives

- Analyze the key concepts of compliance and their importance in the *Cloud* context
- Identify the main challenges faced by a CISO in *Cloud* governance and how to address them
- Establish the main privacy considerations in the *Cloud* context and how to ensure compliance with applicable regulations
- Examine the relevant regulatory frameworks and certifications in the *Cloud* environment
- Develop how cloud billing works and how resource usage can be optimized
- Delve into the use of management and governance services in AWS and Azure to optimize resource usage and ensure compliance with security requirements

Achieve your objectives in just a few weeks, thanks to the most accurate and innovative theoretical and practical materials on Cloud Governance"

03

Course Management

This syllabus relies on the experience and knowledge of the reputed professionals that make up TECH's team of experts, specialized in *Cloud* Infrastructure Governance. Therefore, we can guarantee the highest quality in the contents, as well as the most effective practical activities to test the skills and knowledge acquired during the program.

Get the position you've always wanted, thanks to the skills acquisition and learning guaranteed by TECH's team of renowned experts"

Management

Mr. Bressel Gutiérrez-Ambrossi, Guillermo

- Specalist in Systems Administration and Computer Networks
- Storage and SAN Network Administrator at Experis IT (BBVA)
- Network Administrator at IE Business School
- Graduate in Computer Systems and Network Administration at ASIR (ASIR)
- Ethical Hacking course at OpenWebinars
- Powershell course at OpenWebinar

Professors

Ms. Torres Palomino, Carolina

- Director of Management Control and Finance at Phone House
- Senior Auditor Deloitte
- Degree in Business Administration from the Autonomous University of Madrid
- Master's Degree in Auditing and Management Development at ICADE

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Structure and Content

The structure and syllabus of this Postgraduate Certificate in Cloud Infrastructure Governance have been designed based on the outstanding and extensive professional experience of the renowned professionals who make up the team of experts in this field at TECH. All this, under the most efficient teaching methodology of the academic market, the *Relearning*, which guarantees the best assimilation of the essential concepts possible, without the need to devote excessive time to study.

A course developed by experts and featuring the most up-to-date content on Tools in Cloud Governance and European Regulation"

Module 1. Government in *Cloud* Infrastructures

1.1. Compliance in *Cloud*Environments

    1.1.1. Shared Responsibilities Model

    1.1.2. Laws, Regulations and Contracts

    1.1.3. Audits

1. 2. The CISO in *Cloud*Governance

    1.2.1. Organizational Framework. Figure of the CISO in the Organization

    1.2.2. Relationship of the CISO with the Data Processing Areas

    1.2.3. GRC strategy against *Shadow IT*

1. 3. Cloud Governance Standard

    1.3.1. Previous Assessments

    1.3.2. *Cloud*Service Provider Compliance

    1.3.3. Personnel Obligations

1.4. Privacy in Cloud Environments

    1.4.1. Consumer and User Relationship with Privacy

    1.4.2. Privacy in the Americas, Asia-Pacific, Middle East and Africa

    1.4.3. Privacy in the European Context

1.5. Approvals and Regulatory Frameworks in *Cloud*Environments

    1.5.1. American Approvals and *frameworks*

    1.5.2. Asian Approvals and *frameworks*

    1.5.3. European Approvals and *frameworks*

1.6. Certifications and Accreditations in *Cloud*Environments

    1.6.1. America and Asia-Pacific

    1.6.2. Europe, Middle East and Africa

    1.6.3. Global

1.7. Laws/Regulations in *Cloud*Environments

    1.7.1. CLOUD Act, HIPAA, and IRS 1075

    1.7.2. ITAR, SEC Rule 17a-4(f), and VPAT/Section 508

    1.7.3. European Regulation
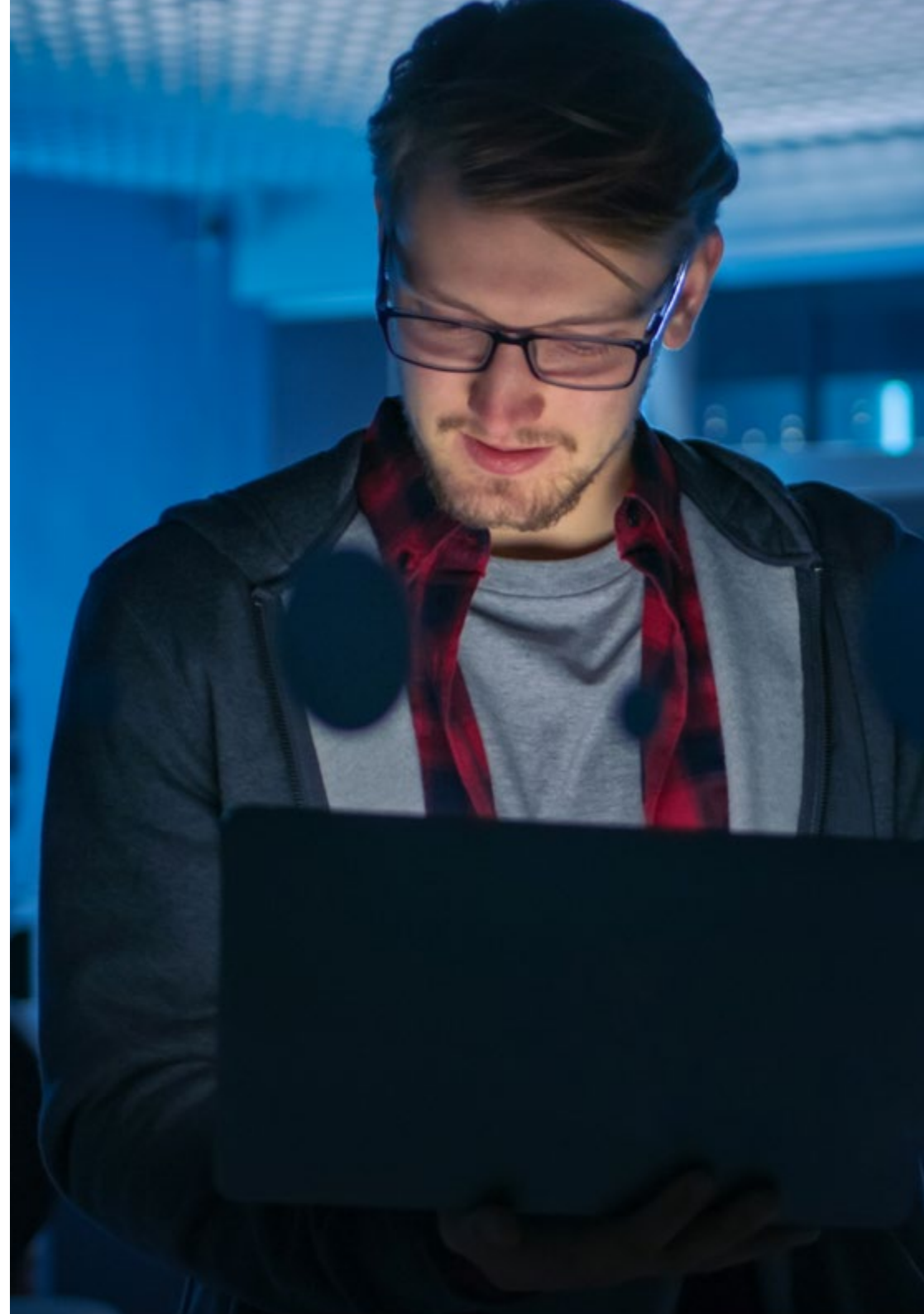
Acquire the most demanding requirements and achieve the position you deserve in the Cloud Governance field"

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.

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.

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

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.

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.

30%

10%

8%

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 Cloud Infrastructure Governance 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 Cloud Infrastructure Governance** 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 Cloud Infrastructure Governance**

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 Cloud Infrastructure Governance

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 certificate issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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