Postgraduate Certificate
Computer Security Incident Management

tech technological university

Postgraduate Certificate
Computer Security
Incident Management

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Technological University**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **University Graduates, Postgraduates and Degree holders who have previously completed any of the following programs in the field of Social and Legal Sciences, Administration and Economics·**

Website: **www.techtitute.com/pk/school-of-business/postgraduate-certificate/computer-security-incident-management**

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01
Welcome

The demand for employment associated with Computer Security Incident Management is very high. This is an area of vital importance for the operation of the company, especially the larger ones, since any vulnerability can jeopardize everything they have worked for, either through the loss of information or through a cyberattack. That is why the figure of a professional versed in this area who also has a management profile and leadership skills is the perfect candidate for a prestigious position within any entity. For this reason, TECH will prepare the graduates, through this 100% online program, to become a specialist versed in this sector, an aspect that will serve to guide their professional career to more ambitious challenges and projects.

Postgraduate Certificate in Computer Security Incident Management.
TECH Technological University

"Working in the detection, prevention and response to computer security incidents will help you become a specialist and qualify you for a superlative job improvement"

Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.

tech

" *TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"*

At TECH Technological University

Innovation

The university offers an online learning model that balances the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.

The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% of TECH students successfully complete their studies

Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

+100000 executives prepared each year

+200 different nationalities

Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

+500 collaborative agreements with leading companies

Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.

Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.

TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.

Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.

Academic Excellence

TECH offers students the best online learning methodology. The university combines the *Relearning* methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.

At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level"

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of students achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06

Thoroughly develop business projects

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different fields in companies.

20% of our students develop their own business idea.

07

Improve *soft skills* and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08

You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: the TECH Technological University community.

We give you the opportunity to study with a team of world-renowned teachers.

Objectives

The objective for which this Postgraduate Certificate has been designed is none other than to serve as a guide to the graduates in their specialization in the area of Security Incident Management. To this end, TECH will provide you with the most sophisticated academic tools in the university environment, as well as the best syllabus and the most varied and dynamic additional material, so that you can get the most out of this experience and become a successful manager in just 6 weeks.

If your objectives include mastering the implementation of the CCN-STIC 814 and ISO 27035 standards, this Postgraduate Certificate will give you the keys to achieve it"

TECH makes the goals of their students their own goals too.
Working together to achieve them.

This **Postgraduate Certificate in Computer Security Incident Management** will enable the students to:

01 Develop specialized knowledge on how to manage incidents caused by IT security events

04 Install and learn about the different tools used in the treatment and prevention of incidents

02 Determine the operation of a security incident handling team

03 Analyze the different phases of an IT security event management

05 Review standardized protocols for handling security incidents

06 Analyze the importance of a correct treatment of security incidents

08 Implement the various tools for incident prevention

09 Determine what is a team of preventive and reactive treatment of security incidents

07 Determine the necessary phases for the treatment of incidents caused by computer security failures

10 Assess the need for a computer forensic analysis for the in-depth study of recorded incidents

05
Structure and Content

TECH uses the best academic tools and the effective and innovative Relearning methodology in all of its programs In addition, it guarantees a series of minimum hours of additional material in different formats, so that the graduates can not only contextualize the information developed in the syllabus, but also deepen in those aspects they considers more interesting or relevant for their work performance. All this is what makes programs like this one the best in the market, thanks to which you will be able to develop extensively and conscientiously, contributing to improve your professional future through a 100% online program.

Through the resolution of complex situations, you will learn to provide immediate and effective responses to security incidents"

Syllabus

This Postgraduate Certificate in Computer Security Incident Management has been designed by TECH and its teaching team in such a way that the graduates who accesses it can improve their professional skills through the study of the best syllabus, based on the immediate current situation of the Computer Engineering sector, and through the resolution of real case studies.

These learning situations will help you develop your own strategies, highlighting your most outstanding skills and abilities and strengthening those aspects you need. In this way, and in only 150 hours, you will be able to become a highly trained and qualified leader to lead any security project.

To this end, it will delve into security incident management policies, their improvements and intrusion detection and prevention systems. In addition, it will go into the response to complex incidents and the processes of notification and management of intrusion attempts. Finally, special emphasis will be placed on forensic analysis as a security policy and on the use of the best event centralization tools.

This Postgraduate Certificate is developed over 6 week and is divided into 1 module:

Module 1. Security Incident Management Policies

Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in E-Sports Management completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

A unique educational experience, key and decisive to boost your professional development and make the definitive leap.

Module 1. Security Incident Management Policies

1.1. Information Security Incident Management Policies and Enhancements
1.1.1. Incident Management
1.1.2. Responsibilities and Procedures
1.1.3. Event Notification

1.2. Intrusion Detection and Prevention Systems (IDS/IPS)
1.2.1. System Operating Data
1.2.2. Types of Intrusion Detection Systems
1.2.3. Criteria for IDS/IPS Placement

1.3. Security Incident Response
1.3.1. Data Collection Procedure
1.3.2. Intrusion Verification Process
1.3.3. CERT Organizations

1.4. Intrusion Attempt Notification and Management Process
1.4.1. Responsibilities in the Notification Process
1.4.2. Classification of Incidents
1.4.3. Resolution and Recovery Process

1.5. Forensic Analysis as a Security Policy
1.5.1. Volatile and Non-Volatile Evidence
1.5.2. Analysis and Collection of Electronic Evidence
1.5.2.1. Analysis of Electronic Evidence
1.5.2.2. Collection of Electronic Evidence

1.6. Intrusion Detection and Prevention Systems (IDS/IPS) Tools
1.6.1. Snort
1.6.2. Suricata
1.6.3. Solar-Winds

1.7. Event Centralizing Tools
1.7.1. SIM
1.7.2. SEM
1.7.3. SIEM

1.8. CCN-STIC Security Guide 817
1.8.1. CCN-STIC Security Guide 817
1.8.2. Cyber Incident Management
1.8.3. Metrics and Indicators

1.9. NIST SP800-61
1.9.1. Computer Security Incident Response Capability
1.9.2. Handling an Incident
1.9.3. Coordination and Information Sharing

1.10. ISO 27035
1.10.1. ISO 27035 Standard. Incident Management Principles
1.10.2. Incident Management Plan Development Guidelines
1.10.3. Incident Response Operations Guides

You will have a syllabus adapted to the current demand of the labor market, so that you will be able to meet and exceed the requirements demanded by companies today"

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"

TECH Business School uses the 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"

This program prepares you to face business challenges in uncertain environments and achieve business success.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. 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 business reality is taken into account.

> *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"*

The case method has been the most widely used learning system among the world's leading business 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 we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

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

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.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

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 online business school is the only one in the world licensed to incorporate 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. With this methodology we have 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, markets, and financial 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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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.

Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager 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%

3%

30%

15%

4%

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 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 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.

Our Students' Profiles

The Postgraduate Certificate is aimed at University Graduates, Postgraduates and Degree holders who have previously completed any of the following programs in the field of Social and Legal Sciences, Administration and Economics.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

Professionals with a university degree in any area and two years of work experience in the field of IT security incident management may also take the Postgraduate Certificate.
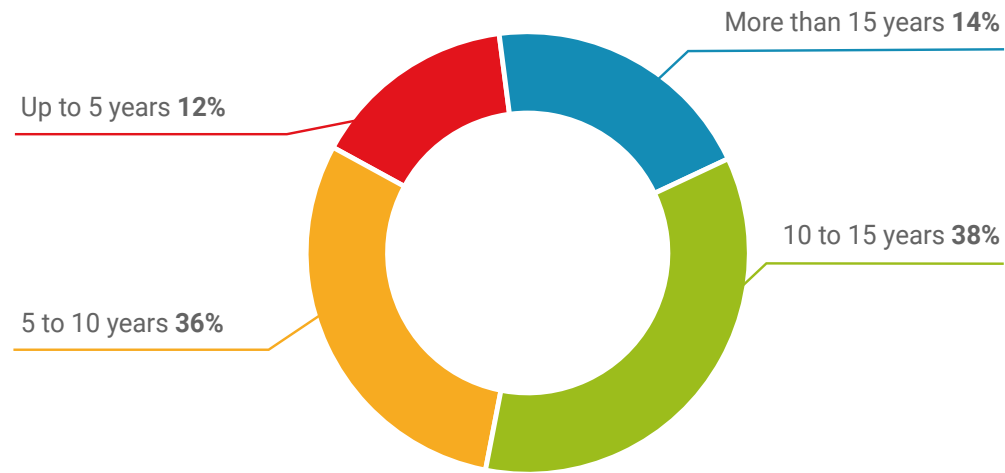
Regardless of your profile as a student, the important thing is that you are looking for a program with which to make a 180° turn in your professional career"
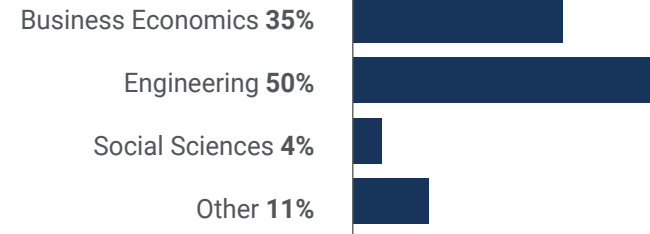
Average Age

Between **35** and **45** years old

Years of Experience

More than 15 years **14%**

Up to 5 years **12%**

10 to 15 years **38%**

5 to 10 years **36%**

Training

Business Economics **35%**

Engineering **50%**

Social Sciences **4%**

Other **11%**

Educational Profile

Industry **40%**

Services **14%**

Entrepreneurs **30%**

Other **16%**
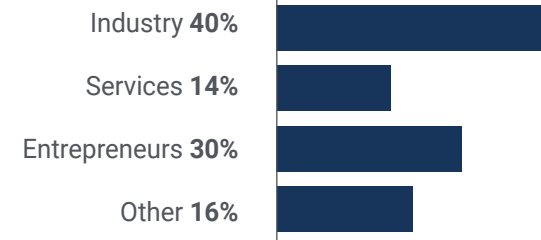
Geographical Distribution

USA **5%**

Spain **52%**

Mexico **33%**

Colombia **10%**
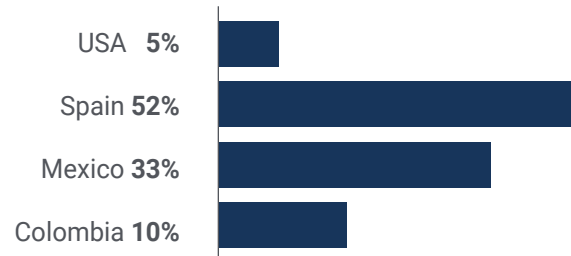
Raúl Méndez

Senior Security Architect

"This Postgraduate Certificate was the first program that I took completely online. At first I did not trust its methodology, but after finishing it I have to say that it far exceeded my expectations. I found in it a dynamic, current and very practical syllabus, which allowed me to learn to handle the most important concepts related to incident management in computer security in a very short time. In addition, thanks to this program I was able to demonstrate my true aptitudes and opt for the promotion I had been waiting for for a long time"

08

Course Management

Having a teaching team versed in the area on which the program is based is one of the priorities that TECH pursues when designing them. For this reason, a group of professionals in the area of Computer Engineering with a broad and extensive career in the management of projects related to cybersecurity of large companies has been chosen for this Postgraduate Certificate. The faculty will be available during the course of the program to guide the graduates in their professionalization and in the improvement of their management and leadership skills.

A team of working computer engineers will accompany you throughout the academic experience, guiding you so that you can get the most out of it"

Management

Ms. Fernández Sapena, Sonia

- Trainer in Computer Security and Ethical Hacking at the National Reference Center of Getafe in Computer Science and Telecommunications in Madrid
- Certified E-Council instructor
- Trainer in the following certifications: EXIN Ethical Hacking Foundation and EXIN Cyber & IT Security Foundation. Madrid
- Accredited expert trainer by the CAM of the following certificates of professionalism: Computer Security (IFCT0190), Voice and Data Network Management (IFCM0310), Departmental Network Administration (IFCT0410), Alarm Management in Telecommunications Networks (IFCM0410), Voice and Data Network Operator (IFCM0110), and Internet Services Administration (IFCT0509)
- External collaborator CSO/SSA (Chief Security Officer/Senior Security Architect) at the University of the Balearic Islands
- Degree in Computer Engineering from the University of Alcalá de Henares, Madrid
- Master in DevOps: Docker and Kubernetes. Cas-Training
- Microsoft Azure Security Techonologies. E-Council

Professors

Mr. Triguero Tirado, Enrique
- Blockchain Infrastructure Technical Manager at UPC-Threepoints
- Chief Technical Officer at Ilusiak
- Project Management Officer at Ilusiak and Deloitte
- ELK Engineer at Everis
- Systems Architect at Everis
- Degree in Technical Engineering in Computer Systems at the Polytechnic University of Valencia
- Master's Degree in Blockchain and its Business Applications from ThreePoints and the Polytechnic University of Valencia
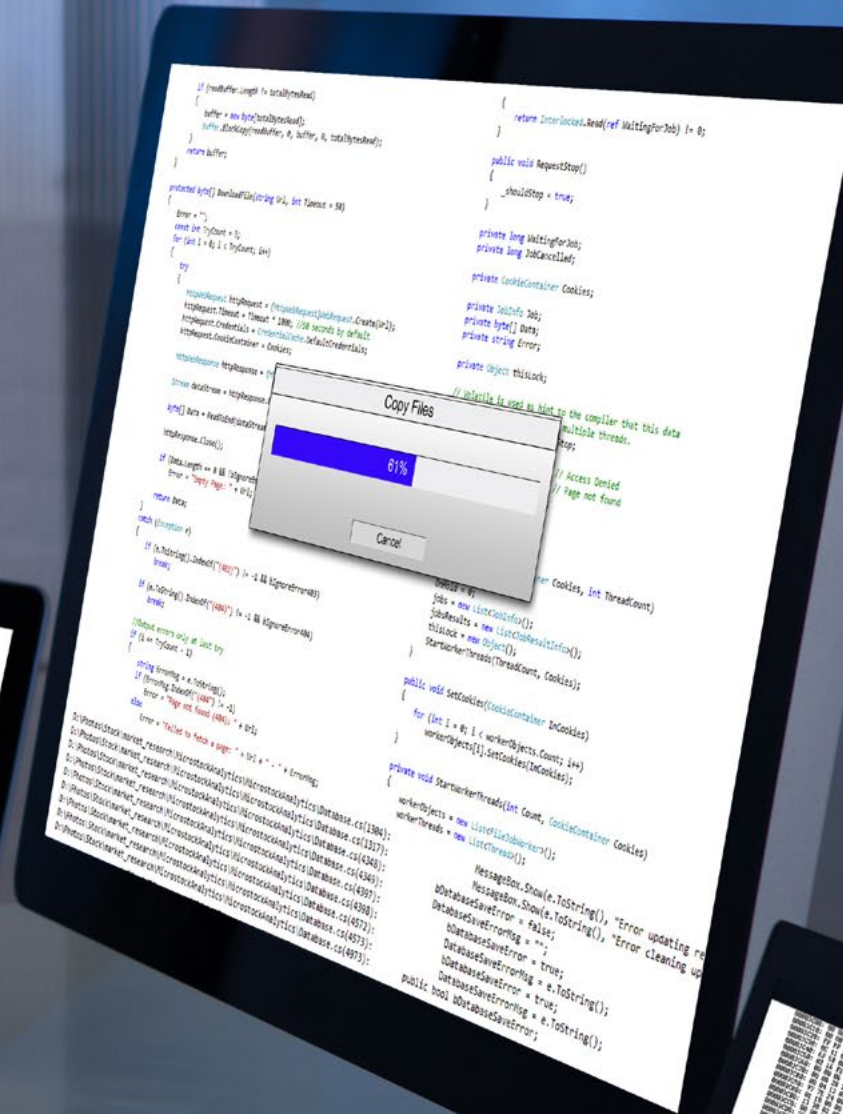
Impact on Your Career

Opting to take this program will add to the graduate's career a plus of professionalism and commitment, two differentiating aspects in any personnel selection process. You will be able to perfect your skills and competencies as a project manager and you will be able to implement the latest business strategies in your practice, which will make you a profile that companies will demand.

"
Through the resolution of complex situations you will be able to put into practice your competencies and perfect your skills to improve your professional profile exponentially"

Are you ready to take the leap?

Excellent professional development awaits you.

TECH's Postgraduate Certificate in Computer Security Incident Management is an intensive program that prepares you to face challenges and business decisions in the field of computer security incident management. The main objective is to promote your personal and professional growth. Helping you achieve success.

If you want to improve, make a positive change at a professional level and network with the best, then this is the place for you.

You will be able to access the Virtual Classroom throughout the day and through any device with Internet connection, so that you can combine the course of this academic experience with your professional and personal life.

TECH will give you the keys not only to progress in the company you are part of, but also to start your own IT Security project.

Time of Change

During the program	During the first year	After 2 years
11%	**63%**	**26%**

Type of change

Internal Promotion **49%**

Change of Company **42%**

Entrepreneurship **9%**
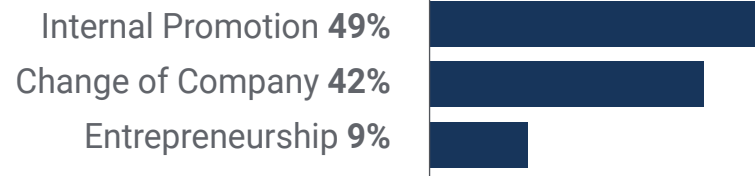
Salary increase

This program represents a salary increase of more than **25.22%** for our students

Salary before	A salary increase of	Salary after
$31,958	**25.22%**	**$40,018**

Benefits for Your Company

This Postgraduate Certificate in Computer Security Incident Management will provide the graduate's professional profile with a unique, current, comprehensive and specialized knowledge, which will contribute to raise the company's talent to very high levels. In addition, students will practice with the resolution of complex cases, which will allow them to act with security and guarantee in any situation, always looking for the benefit of the entity of which they are part.

The company that has in its staff a graduate who has completed this program will guarantee the management of the event centralization tools in information security"

Developing and retaining talent in companies is the best long-term investment.

01

Growth of talent and intellectual capital

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

04

Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets in the world economy.

05

Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06

Increased competitiveness

This program will equip students with the skills to take on new challenges and drive the organization forward.

Certificate

The Postgraduate Certificate Computer Security Incident Management 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 Computer Security Incident Management** 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 Computer Security Incident Management**

Official Nº of Hours: **150 h.**

tech. technological university

Awards the following
CERTIFICATE
to

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

POSTGRADUATE CERTIFICATE

in

Computer Security Incident Management

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

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 EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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