

# Postgraduate Certificate Data Analytics in Human Resources



## Postgraduate Certificate Data Analytics in Human Resources

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: university graduates or professionals in the field of human resources, labor relations and psychology, who wish to deepen their knowledge in this field.

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/data-analytics-human-resources](http://www.techtute.com/us/school-of-business/postgraduate-certificate/data-analytics-human-resources)

# Index

01

Welcome

---

*p. 4*

02

Why Study at TECH?

---

*p. 6*

03

Why Our Program?

---

*p. 10*

04

Objectives

---

*p. 14*

05

Structure and Content

---

*p. 18*

06

Methodology

---

*p. 24*

07

Our Students' Profiles

---

*p. 32*

08

Impact on Your Career

---

*p. 36*

09

Benefits for Your Company

---

*p. 40*

10

Certificate

---

*p. 44*

# 01 Welcome

Today, organizations and companies of all sectors and sizes are fully aware of the importance of human capital to their success. In this sense, Human Resources play a very important role, since they are the ones who take care of and guarantee the well-being of the organization's human capital. In this sense, to ensure this well-being, it is vital that the professional is able to conduct research that analyzes both the status of employees as well as personnel selection processes. This is exactly what this program will deepen, in which professionals will acquire the skills for data analysis specifically for Human Resources.



Postgraduate Certificate in Data Analytics in Human Resources  
TECH Technological University



“

*With this training, you will achieve the professional success you so deserve because it is specially designed to train true experts in data analysis in Human Resources”*

02

# 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 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

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



### Academic Excellence

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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.



### Economy of Scale

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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 groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### Learn with the best

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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.



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

03

# 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

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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

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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

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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.*

# 04 Objectives

The objectives of this program are based on alleviating the educational needs of Work Relationships professionals in this field. In this sense, a complete and optimal program has been realistically established to lead students to educational excellence and encourage them to efficiently advance in their professional careers. For all these reasons, this training will be for The Learner a journey of personal and professional growth that will lead them to the highest quality in their intervention as Labor Relations.



“

*If your goal is to expand your professional career as an HR specialist, with qualifications that will enable you to compete among the best, look no further. This training will give your career the boost it needs”*



TECH makes the goals of their students their own goals too.

Working together to achieve them.

The **Postgraduate Certificate in Data Analytics in Human Resources** will enable students to:

01

Know in depth the different forms of research and data analysis that help in the management of Human Resources

02

Understand research techniques, their functions and the results they provide

03

Consolidate the importance of groups for Human Resources







04

Know how to use HR Analytics in the talent management strategy to make training and selection decisions

05

Manage specific data through digital media to predict people performance

06

Identify actions of probability of success of results through the management and analysis of Power BI data

05

# Structure and Content

The syllabus of this Diploma has been designed and created by a team of specialists in the field to respond, in a specific way, to the needs of Human Resources professionals. This compendium of content, has also been designed with a focus on applied learning, which will allow professionals to successfully intervene, by means of a broad vision connected to real environments in the profession. Therefore, this syllabus will become the student's main asset when it comes to successfully entering a labor market that increasingly demands more and more professionals specialized in the field.



“

*A complete program created to offer psychologists an effective and fast learning process that is compatible with personal and professional life”*

## Syllabus

Human Resources are an extremely important asset within companies and one of the main pillars for achieving the growth goals set. This is largely due to the union that is created between the company and its workers, which, if created correctly, can exponentially promote productivity in the processes.

But for this to be possible, it is essential to have a deep knowledge of the state of the human capital involved with the organization, both internally and externally, and this is only possible by performing a comprehensive and complete data analysis. In this sense, this Postgraduate Certificate will provide an in-depth approach to the most effective and efficient strategies and methods for conducting in- Data Analysis on various aspects of the company.

During the course of the training, we will delve into the techniques of data analysis, both externally (competition) and internally (business strategy). This will aim to bring the student closer to the research sources, indicating their classification and deepening in their reliability when starting an analysis.

On the other hand, the Postgraduate Diploma will also delve into the management of specific data that can be carried out through digital media and that allow predicting the performance of people. These platforms will be a great ally for the Human Resources professional because they will help them to better understand the functioning of various aspects of the company.

This Postgraduate Certificate is held over 6 weeks and is divided into 1 module:

### Module 1

### PR analytics Resources



### Where, When and How is it Taught?

TECH offers you the opportunity to study this Postgraduate Certificate in Human Resources Analytics 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, key, and decisive educational experience to boost your professional development and make the definitive leap.*

**Module 1. PR analytics Resources**

**1.1. Types of Data Analysis in PR. Resources**

- 1.1.1. Introduction to Data Analysis in RR. Resources
- 1.1.2. The added value of corporate reporting
- 1.1.3. Analysis on labor relations, retention, turnover and absenteeism

**1.2. HR Analytics**

- 1.2.1. *Big Data and Business Intelligence (BI)*
- 1.2.2. HR The Data Analysis Resources
- 1.2.3. HR Metrics Design Resources

**1.3. The future of work in a digital age**

- 1.3.1. Analysis of the future of work
- 1.3.2. Digital transformation and changes in employment
- 1.3.3. New professions for the digital enterprise
- 1.3.4. Digital transformation and changes in employment

**1.4. Competitive Analysis Strategy**

- 1.4.1. Market Analysis
- 1.4.2. Sustainable Competitive Advantage
- 1.4.3. Return on Investment

**1.5. Lean Management and strategic HR analysis Resources**

- 1.5.1. The Relevance of Strategic Direction in the Management Control Analysis
- 1.5.2. Analysis of the Environment and the Organization
- 1.5.3. *Lean Management*

**1.6. DIRCOM and strategic competencies for digital jobs**

- 1.6.1. The Concept of Competence Digital
- 1.6.2. The European digital skills framework
- 1.6.3. Methods of Digital Competencies

**1.7. Digitization of HR**

- 1.7.1. Technological digitization in HR strategy Resources
- 1.7.2. Digitization technology in the HR department Resources
- 1.7.3. HR Management Software Resources
- 1.7.4. Digitalization of employee learning and training

**1.8. Power BI in analytics and data visualization**

- 1.8.1. The Power BI environment
- 1.8.2. Performing queries and analysis
- 1.8.3. Creating reports
- 1.8.4. Developing visualizations

**1.9. HR Analytics on employees**

- 1.9.1. HR Analytics (HRA)
- 1.9.2. HRA Applications
- 1.9.3. Data for HR Analytics
- 1.9.4. Data analysis with HRA
- 1.9.5. Technology for HR Analytics

**1.10. Development of corporate digital culture**

- 1.10.1. Corporate Culture
- 1.10.2. The evolution of digital culture in the company
- 1.10.3. Technological culture and data management
- 1.10.4. Digital culture of people





# 06

# 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.







“

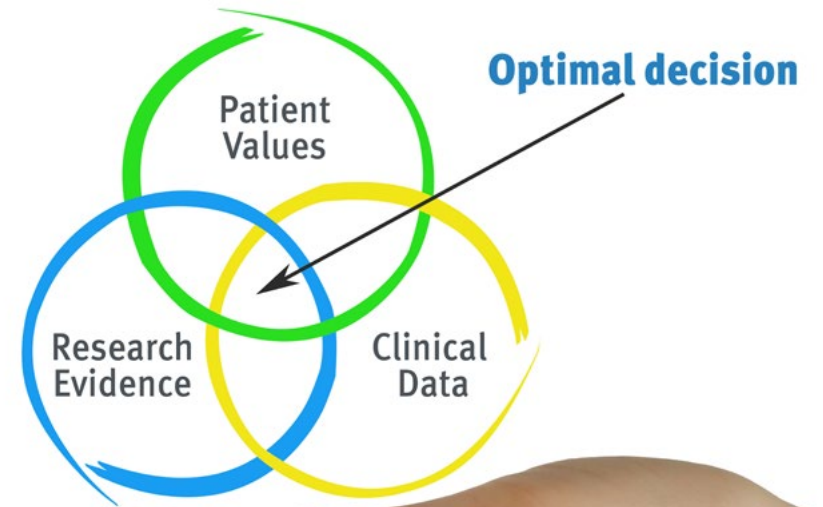
*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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.



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.





### 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.



07

# Our Students' Profiles

The Postgraduate Certificate in Data Analytics in Human Resources is a program aimed at professionals in labor relations, Human Resources and psychology who want to update their knowledge in the area of Change Management and advance their professional career towards a promising future in this field. The compendium of knowledge that they will acquire after completing this comprehensive training will enable them to work in this field with guaranteed success and will enable them to position themselves as experts in digital entrepreneurship.







“

*If you want to achieve an interesting improvement in your professional career while continuing to work, this is the program for you”*

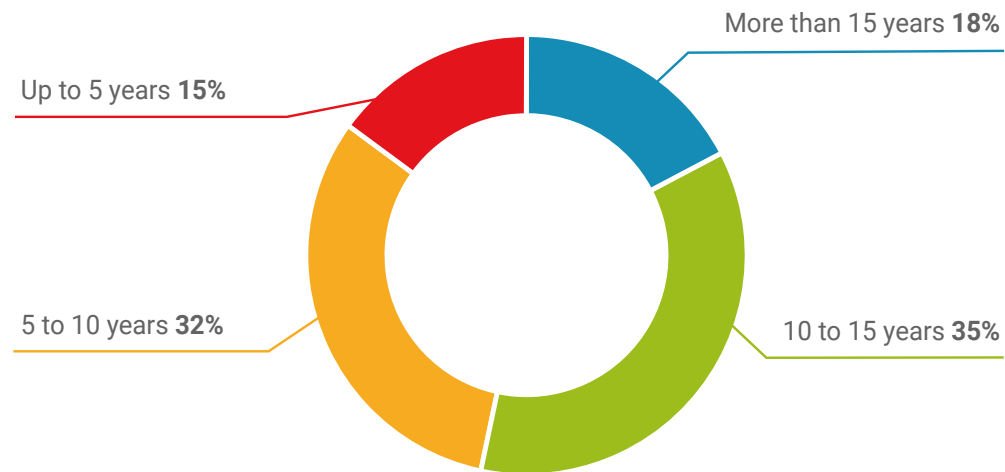
### Average Age

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

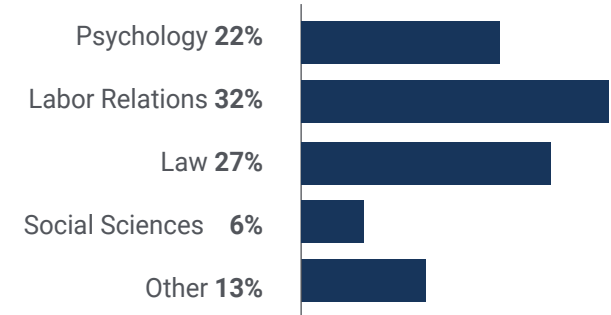
### Years of Experience

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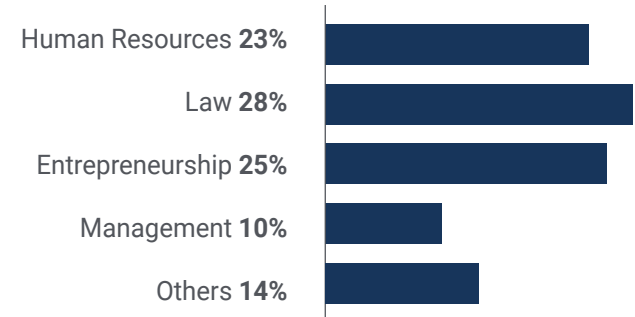
### Training

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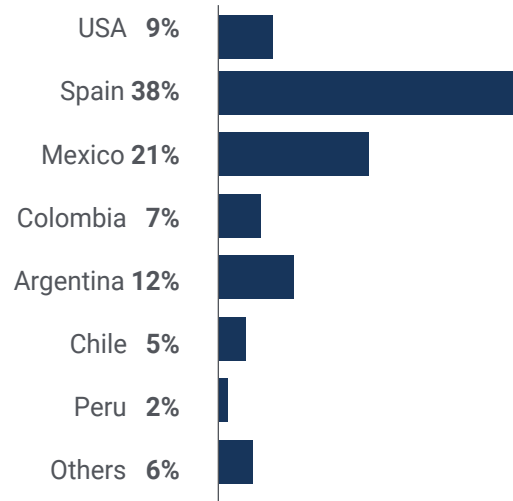
### Educational Profile

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## Geographical Distribution

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## Luis D. Santana

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PR Technician Resources

*"pleasantly surprised with this TECH Postgraduate Certificate. In addition to being able to perform my daily work in a much more effective way, I feel that I have acquired the tools to continue growing in the Human Resources sector. Thanks , TECH"*

08

# Impact on Your Career

TECH is aware that studying a program like this entails great economic, professional and, of course, personal investment.

The ultimate goal of this great effort should be to achieve professional growth. And do so efficiently.





“

*Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it”*

### Are you ready to take the leap? Excellent professional development awaits you.

With this training, professionals will be able to advance drastically in their profession, although there is no doubt that, in order to do so, they will have to make an investment in different aspects, such as economic, professional and personal areas.

However, the goal is to improve in your professional life and, to do so, it is necessary to be trained.

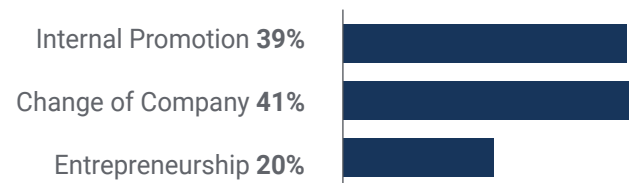
*Thanks to this program you will receive a large number of job offers with which you will be able to start your professional growth.*

*The completion of the Postgraduate Certificate in Data Analytics in Human Resources will allow you to advance in your profession.*

#### Time of Change



#### Type of change





### Salary increase

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



09

# Benefits for Your Company

The Postgraduate Certificate in Data Analytics in Human Resources contributes to elevating an organization's talent to its maximum potential by educating high-performing leaders. Therefore, participating in this educational program will improve not only on a personal level, but, above all, on a professional level, increasing their training and improving their educational skills. In addition, joining the TECH educational community is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.







“

*You will obtain a more complete and global vision of the company that will allow you to contribute new ideas”*

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.

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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.

# 10 Certificate

The Postgraduate Certificate in Data Analytics in Human Resources guarantees, in addition to the most rigorous and up-to-date training, 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 Data Analytics in Human Resources** 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 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 career evaluation committees.

Title: **Postgraduate Certificate in Data Analytics in Human Resources**

Official N° of hours: **150 h.**



\*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.





## Postgraduate Certificate Data Analytics in Human Resources

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

# Postgraduate Certificate Data Analytics in Human Resources

