

# Postgraduate Certificate Urban Planning and Cadaster



## Postgraduate Certificate Urban Planning and Cadaster

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

Website: [www.techtitute.com/us/engineering/postgraduate-certificate/urban-planning-cadaster](http://www.techtitute.com/us/engineering/postgraduate-certificate/urban-planning-cadaster)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

In order to locate, distribute and know the physical characteristics of any property, it is essential to have in-depth knowledge of the Cadaster. For this reason, and taking into account the needs of engineers in the sector, TECH presents this program in which, during 6 weeks of intensive study, they will be taught the transversal operation of the Cadaster, delving into specific topics such as: the land registry, notary, the calculation of the cadastral value or the current urban legislation, among other issues. All of this, 100% online and adapted to offer the student a comfortable way of study that is totally compatible with other activities.





“

*In order to work successfully in the urban planning sector, it is essential to have a thorough knowledge of the Cadaster. With this TECH Postgraduate Certificate, you will learn everything about this topic”*

For engineering professionals, having a deep knowledge of the Cadaster is vital, as it allows them to have a deep understanding of how urban planning works in cities, municipalities and city councils. Likewise, having a transversal knowledge of the Cadaster helps to better understand the taxation applied to different types of real estate.

For this reason, this Postgraduate Certificate in Urban Planning and Cadaster provides a complete in-depth study and develops specialized knowledge on everything related to municipal land management. All this, from a useful point of view for real life, far from unnecessary technicalities that hinder the understanding of this area of study.

Thanks to all this, and in only 6 weeks of intensive online study, the student will acquire a deep, current and accurate basis to move confidently in the world of urban planning and cadaster. A unique and complete study opportunity that only TECH could offer.

The **Postgraduate Certificate in Urban Planning and Cadaster** contains the most complete and up-to-date program on the market. Its most notable features are:

- ◆ Practical cases presented by experts in Urban Planning
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ 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



*Thanks to this program, you will learn how to use drones map and represent the terrain by means of photographic images”*

“

*From the calculation of the cadastral value, to the notary's office and the land registry; with this program you will be able to learn about all the singularities of the urban development sector”*

The teaching staff of this program includes professionals from the industry, who contribute the experience of their work to this program, in addition to recognized specialists from reference societies and prestigious universities.

Thanks to multimedia content developed with the latest educational technology, you will be immersed in situated and contextual learning. In other words, a simulated environment that will provide immersive learning, programmed to train for real situations.

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

*A unique study option, adapted to current times and 100% online for you to decide where, when and how to study.*

*Position your professional profile at the forefront of a sector that is constantly growing thanks to your specialized knowledge.*



# 02

# Objectives

This Postgraduate Certificate was created with the objective of offering the engineer a series of knowledge, tools and skills that are ideal for successful development in the world of urban planning. In addition, and to help consolidate this knowledge in a more efficient way, TECH provides a unique, 100% online study system that is shaking the foundations of traditional education. Thanks to this, the engineer will be able to study while continuing their professional and personal activity, and will do so using a series of highly useful educational tools.







“

*Reach your professional goals with this TECH Postgraduate Certificate, in a comfortable way and adapted to your possibilities”*



## General Objectives

---

- ◆ Analyze the particularities of the cadaster in depth in order to identify the current characteristics that define/compose it
- ◆ Evaluate the positioning of urban and land planning within the concept of land as well as the resources available on the Internet



*You provide the desire, we give you the tools to grow in a booming sector. Enroll now”*





## Specific Objectives

---

- ◆ Evaluate the cadastral information system in the network
- ◆ Analyze cadastral mapping services and their different download formats
- ◆ Develop the fundamentals of cadastral value / valuation and land registry
- ◆ Determine the basis for urban planning
- ◆ Examine urban planning on the Internet



03

# Course Management

This Postgraduate Certificate in Urban Planning and Cadaster has a first-class teaching staff that will provide students with all the latest developments in this field. Therefore, the professional who completes this program will master all kinds of technological and computer tools that will allow them to improve the efficiency of their daily work and access to numerous urban planning and engineering projects





“

*Studying with the support of the best and learning from their experience is an added value that only TECH can offer you”*

## Management



### Mr. Puértolas Salañer, Ángel Manuel

- ♦ Application development in .Net environment, Python development, SQL Server database management, system administration. ASISPA
- ♦ Topographical Surveyor Study and reconstruction of roads and accesses to towns. Ministry of Defence Embedded with UN forces in Lebanon
- ♦ Topographical Surveyor Topography per Project Ministry of Defence
- ♦ Topographical Surveyor Georeferencing of the old cadaster of the province of Murcia (Spain). Geoinformation and Systems S.L
- ♦ Technical Engineer in Topography from the Polytechnic University Valencia
- ♦ Master's Degree in Cybersecurity from MF Business School and the Camilo José Cela University
- ♦ Web management, server administration and task development and automization in Python Milcom
- ♦ Development of applications in .Net environment. SQL Server management Own software support Ecomputer

## Professors

### Mr. Moll Romeu, Kevin

- ♦ Graduate in Geodesic Engineering, Topography and Cartography from the Polytechnic University of Valencia
- ♦ Soldier in the Air Force at the Alcantarilla Air Base



# 04

## Structure and Content

This program has a complete syllabus designed by professionals with extensive experience and background in the urban planning sector. Therefore, in only 6 weeks of study, the engineer will be able to deepen their knowledge in issues such as the operation of the Cadaster, the reference and the cadastral value or the different means for urban planning, among other issues. A complete and unique academic review of this subject that will help the student to work successfully in this area.







“

*Quality multimedia material, discussion forums, tutorials with experts and interactive summaries. All of this is what positions this syllabus as the best on the academic market”*

## Module 1. Cadaster and Urban Planning

- 1.1. Cadaster
  - 1.1.1. Cadaster
- 1.2. The Real Estate Cadaster
  - 1.2.1. The Real Estate Cadaster
  - 1.2.2. Cadastral Mapping
  - 1.2.3. Cadastral Reference
  - 1.2.4. Descriptive and Graphic Cadastral Certification
- 1.3. Presence of the Cadaster on the Internet
  - 1.3.1. Cadastral Mapping
  - 1.3.2. Format of the Gml Inspire Download
    - 1.3.2.1. WMS Service to Visualize Maps
    - 1.3.2.2. WFS Download Service
    - 1.3.2.3. Atom Download Service
  - 1.3.3. Cadastral Mapping: Shapefile Format
  - 1.3.4. Cadastral Mapping: Cat Format
  - 1.3.5. Other Formats
- 1.4. Cadastral Valuation
  - 1.4.1. Cadastral Value
  - 1.4.2. Urban Cadastral Valuation
  - 1.4.3. Rustic Cadastral Valuation
  - 1.4.4. Ground Valuation
- 1.5. Property Registry and Notary's Office
  - 1.5.1. Simple Note and Certification
  - 1.5.2. Registration and Cadastral Reference
  - 1.5.3. Notary
  - 1.5.4. The Expert Geometer





- 1.6. The Real Estate Cadaster Coordination. Property Registration
  - 1.6.1. Cadaster and Registration
  - 1.6.2. Registered Property and Cadastral Parcel
  - 1.6.3. Cadastral - Registration Coordination
  - 1.6.4. Graphic Coordination
- 1.7. Urban and Regional Planning
  - 1.7.1. Urban and Regional Planning
  - 1.7.2. Planning Instruments
  - 1.7.3. Urban Planning Instruments
- 1.8. Presence of Urban Planning on the Internet
  - 1.8.1. Urban Planning and Urban Sustainability
  - 1.8.2. Urban Information Systems
  - 1.8.3. SIU Map Viewer
  - 1.8.4. Urban Planning
  - 1.8.5. Network Urban Planning

“

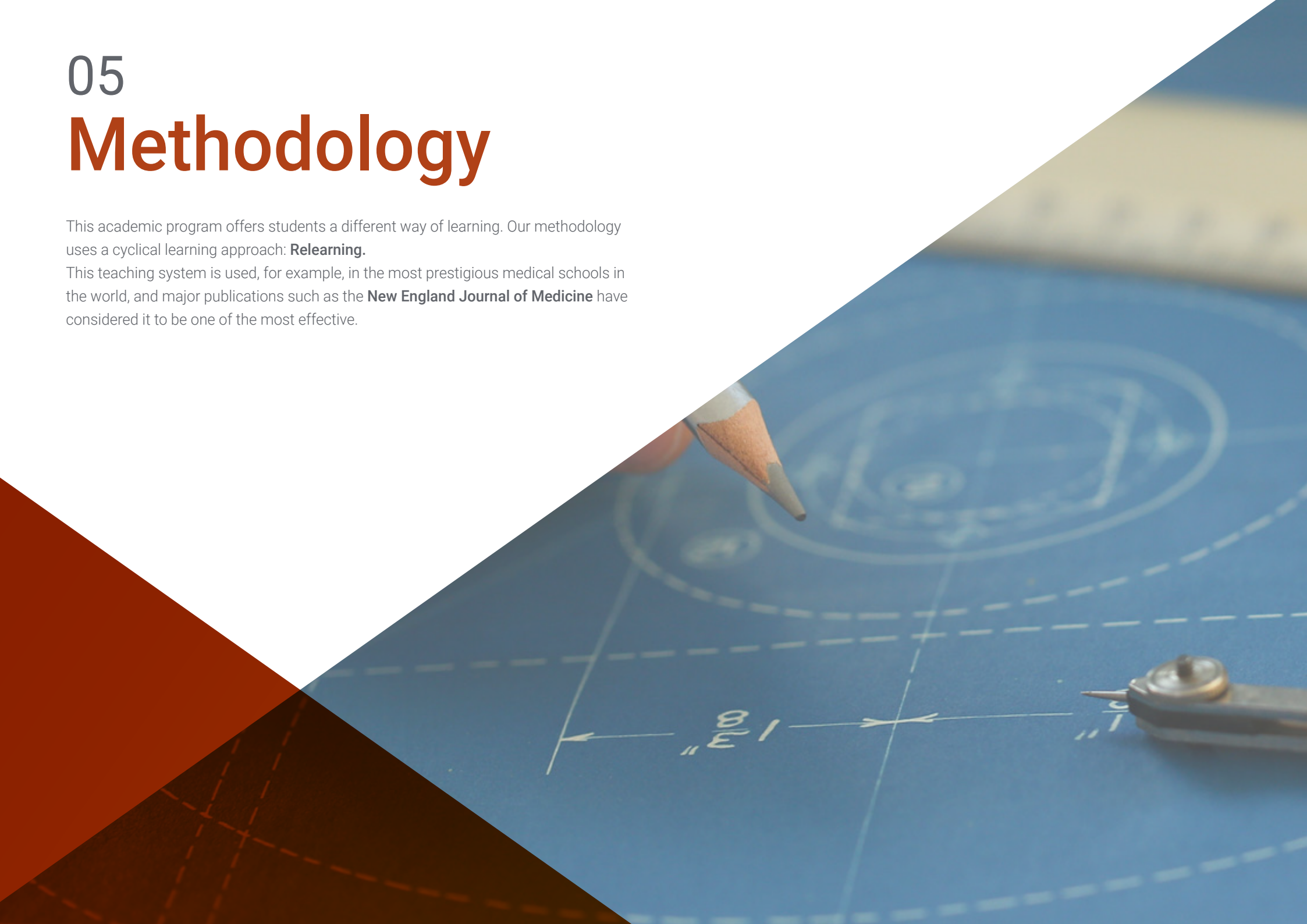
*Position yourself as a point of reference in the sector thanks to your extensive knowledge. TECH helps you to achieve this with this Postgraduate Certificate”*

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.*



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

### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

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

The case method is the most widely used learning system in the best faculties in the world. 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 program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 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.





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.





#### 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 Urban Planning and Cadaster 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"*

The **Postgraduate Certificate in Urban Planning and Cadaster** 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** diploma 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 Urban Planning and Cadaster**

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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning



## Postgraduate Certificate Urban Planning and Cadaster

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

# Postgraduate Certificate Urban Planning and Cadaster

