

# Postgraduate Certificate Artificial Intelligence-Assisted Translation Tools and Platforms



## Postgraduate Certificate Artificial Intelligence-Assisted Translation Tools and Platforms

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

Website: [www.techtitute.com/humanities/postgraduate-certificate/artificial-intelligence-assisted-translation-tools-platforms](http://www.techtitute.com/humanities/postgraduate-certificate/artificial-intelligence-assisted-translation-tools-platforms)

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# 01

# Introduction

Artificial Intelligence-Assisted Translation Tools and Platforms have transformed the translation process, dramatically improving accuracy and efficiency in communication. Technologies such as DeepL, Google Translate and SDL Trados leverage advanced algorithms and neural networks to provide more contextual and natural translations. These platforms not only enable the translation of texts, but also of conversations, documents and multimodal content in real time, facilitating work in global environments. The integration of Artificial Intelligence in these systems offers professionals an unprecedented ability to manage multilingual projects. In this context, TECH has developed a 100% online program, designed to flexibly adjust to the work and personal commitments of the professionals who study it. With its content accessible 24 hours a day, this academic pathway also stands out.





```
mirror_mod.use_x = False
mirror_mod.use_y = True
mirror_mod.use_z = False
elif _operation == "MIRR
mirror_mod.use_x
mirror_mod.us
mirror_mod

#sel
mirro
mo
```

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*Thanks to this 100% online program,  
you will delve into the most  
prominent AI-assisted translation  
platforms in the professional field”*

Artificial Intelligence Assisted Translation Tools and Platforms have been directly linked to the work of Humanities specialists, facilitating access to more accurate and contextual translations. Various technologies make it possible to translate not only texts, but also audio, images and entire documents in real time, which is crucial for research and international collaboration.

This comprehensive TECH program provides a thorough introduction to AI-assisted translation platforms, providing a clear understanding of their evolution and relevance in the professional field. It addresses the benefits that these technologies bring to translation, highlighting how they have improved accuracy in processes that were traditionally more complex and laborious. The main tools available on the market will also be presented, explaining their functionalities and showing practical examples of their application in different professional scenarios.

Humanities specialists will then discuss AI-assisted translation platforms, such as Wordfast, which are widely used in translation teams and agencies. The functionality of these platforms, as well as their integration with other project management resources, will be key to understanding how they optimize workflows in collaborative environments.

Another relevant aspect will be the integration of linguistic resources, such as databases and specialized glossaries, to improve the accuracy of translations. It will discuss how context and specific terminology play a key role in AI-assisted translation. The Postgraduate Certificate also delves into the interface and user experience of these tools, ensuring that translators can customize their work environment, optimize their workflows and improve their productivity.

Therefore, TECH has designed a comprehensive 100% online program, which can be accessed simply with an electronic device and an Internet connection. In addition, the program uses the innovative Relearning methodology, focused on the continuous repetition of key concepts to ensure effective assimilation of content.

The **Postgraduate Certificate in Artificial Intelligence-Assisted Translation Tools and Platforms** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Development of practical cases presented by experts in Humanities in Artificial Intelligence
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out 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



*Update your knowledge on the latest technological tools for AI-assisted translation, through innovative multimedia resources and a complete Virtual Campus”*

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*Diversify your professional skills in the field of AI-assisted translation, with the help of specialized databases and glossaries to improve translation accuracy”*

The program's teaching staff includes professionals from the sector who bring to this training the experience of their work, as well as recognized specialists from prestigious reference societies and universities.

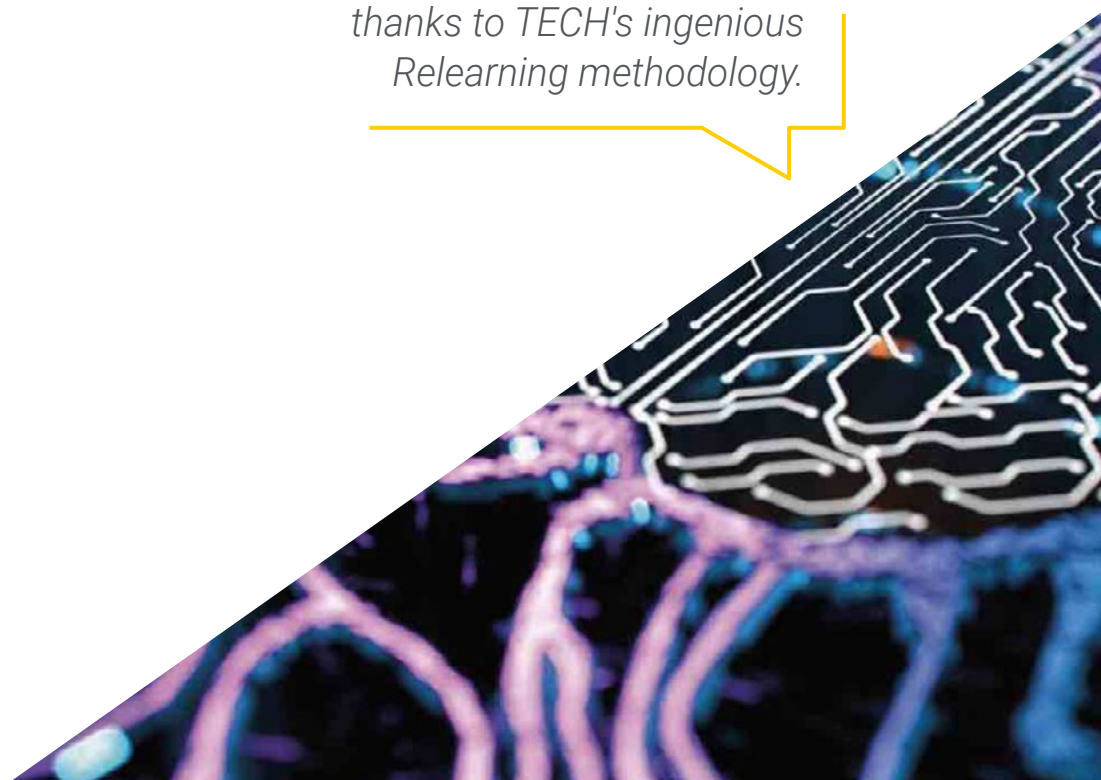
The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning,

by means of which the professional must try to solve the different situations of professional practice that arise throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Take advantage of this program, where you will acquire knowledge for optimizing multilingual communication and productivity in work environments.*

*Master programs such as TAIA to establish the design and usability of user interfaces in translations thanks to TECH's ingenious Relearning methodology.*





# 02 Objectives

The Postgraduate Certificate in Artificial Intelligence-Assisted Translation Tools and Platforms is designed to optimize the work of professionals in the Humanities. Those who work in the field of translation, whether in real time or in multiple languages, need continuous updating. Therefore, the objective of this program is to provide experts with the skills to use technological platforms and tools that facilitate agile translation. In addition, it focuses on the use of AI to manage quality translations, adapted to the current demands of the sector, improving productivity in each task.





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*As part of the main academic objectives of this program, you will address the integration of linguistic resources and databases in state-of-the-art tools”*



## General Objectives

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- ♦ Become skilled in the use of the main AI-assisted translation platforms and tools, integrating them effectively into the professional workflow
- ♦ Develop criteria and methods for assessing the quality of translations and interpretations performed with AI tools
- ♦ Integrate AI tools and platforms into the workflow of translators and interpreters, optimizing productivity and consistency
- ♦ Train in identifying and resolving ethical and social challenges related to the use of Artificial Intelligence in translation and interpreting
- ♦ Explore and implement innovations in the field of AI-assisted translation and interpretation, anticipating emerging trends
- ♦ Equip yourself with the necessary skills to lead projects and teams in the implementation of AI solutions in the field of translation and interpreting





## Specific Objectives

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- ♦ Familiarize yourself with the main AI-assisted translation tools and platforms (TAIA) and learn how to integrate them into your professional workflow
- ♦ Learn how to integrate linguistic resources and databases into TAIA tools, optimizing translation productivity and consistency



*Achieve your professional aspirations by successfully implementing methods to evaluate the quality of translations and interpretations performed with AI tools”*

03

# Course Management

This program has been designed and developed by a group of experts in the area of Artificial Intelligence and its application in translation and interpretation processes in a variety of contexts, be they work-related, academic or cultural. With an extensive teaching and research background, this team will ensure that the program offers a comprehensive experience that will raise the competencies of Humanities specialists to the highest standards. Undoubtedly, this is the ideal academic accompaniment for those seeking a good preparation, providing all the tools to excel in this competitive and constantly evolving field.







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*This teaching team has the best teaching material and masters the best pedagogical strategies to delve into challenges in AI-assisted translation”*

## Management



### Dr. Peralta Martín-Palomino, Arturo

- ♦ CEO and CTO at Prometheus Global Solutions
- ♦ CTO at Korporate Technologies
- ♦ CTO at AI Shepherds GmbH
- ♦ Consultant and Strategic Business Advisor at Alliance Medical
- ♦ Director of Design and Development at DocPath
- ♦ PhD in Psychology from the University of Castilla La Mancha
- ♦ PhD in Economics, Business and Finance from the Camilo José Cela University
- ♦ PhD in Psychology from University of Castilla La Mancha
- ♦ Master's Degree in Executive MBA from the Isabel I University
- ♦ Master's Degree in Sales and Marketing Management, Isabel I University
- ♦ Expert Master's Degree in Big Data by Hadoop Training
- ♦ Master's Degree in Advanced Information Technologies from the University of Castilla La Mancha
- ♦ Member of the research group SMILE.

## Professors

### Ms. Martínez Cerrato, Yésica

- ♦ Responsible for Technical Training at Securitas Seguridad España
- ♦ Education, Business and Marketing Specialist
- ♦ Product Manager in Electronic Security at Securitas Seguridad España
- ♦ Business Intelligence Analyst at Ricopia Technologies
- ♦ Computer Technician and Responsible for OTEC computer classrooms at the University of Alcalá de Henares
- ♦ Collaborator in the ASALUMA Association
- ♦ Degree in Electronic Communications Engineering at the Polytechnic School, University of Alcalá de Henares.

### Ms. Del Rey Sánchez, Cristina

- ♦ Talent Management Administrative Officer at Securitas Seguridad España, S.L.
- ♦ Extracurricular Activities Center Coordinator
- ♦ Support classes and pedagogical interventions with Primary and Secondary Education students
- ♦ Postgraduate in Development, Delivery and Tutoring of e-Learning Training Actions.
- ♦ Postgraduate in Early Childhood Care
- ♦ Degree in Pedagogy from the Complutense University of Madrid



# 04

## Structure and Content

The academic itinerary will cover a wide range of key topics, starting with a presentation of the main AI-assisted translation tools and a detailed analysis of machine translation platforms, translation memories and project management applications. Special attention will be paid to the incorporation of accessibility and multilingual support in CAT platforms, and the impact on the translation profession and on linguistic and cultural diversity. In addition, you will work with case studies, providing the technical and strategic skills necessary to effectively implement these tools in a professional environment.



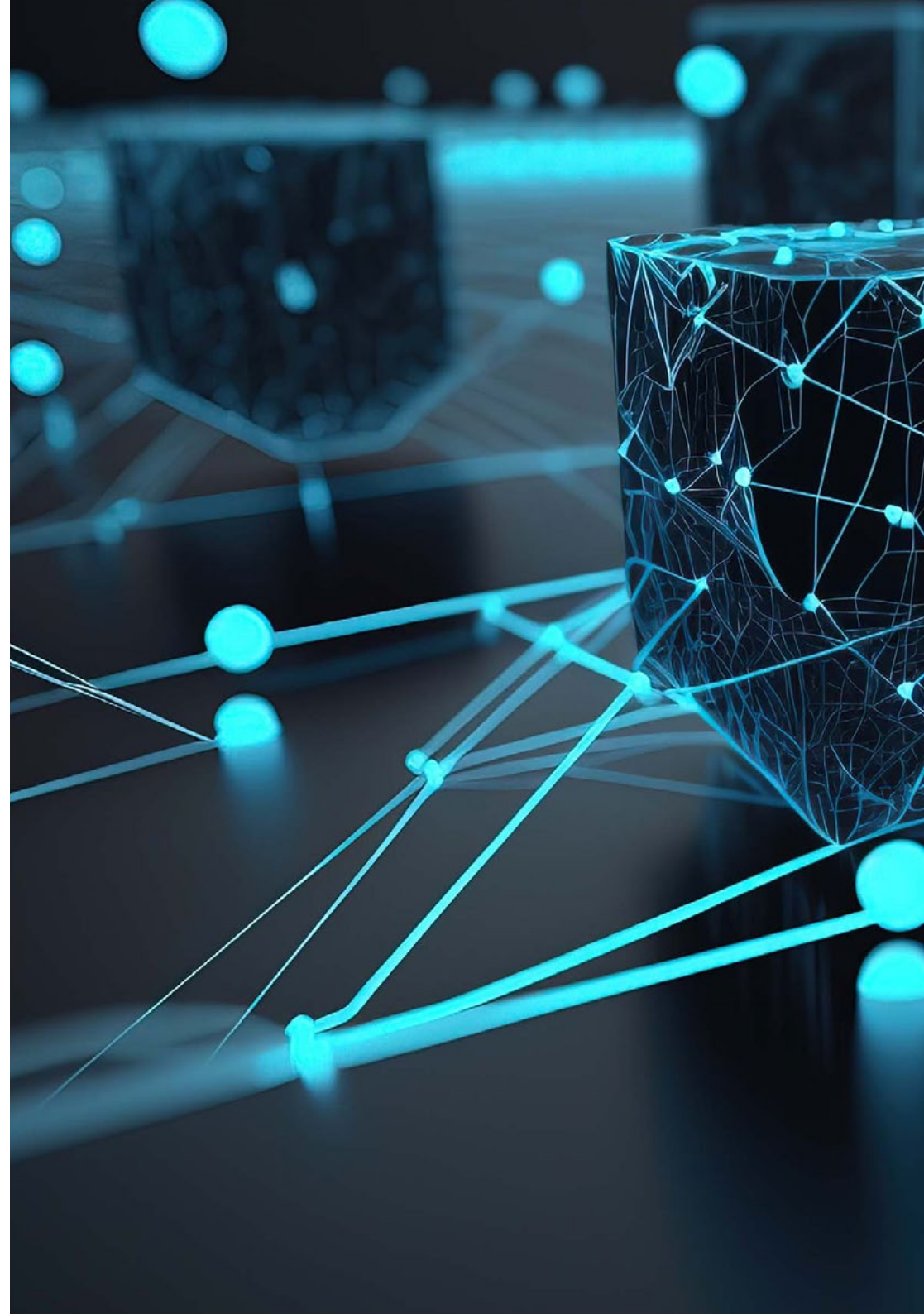


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*Get trained with this curriculum in all areas inherent to AI platforms for translations and specialize in the advances in Neural Machine Translation (NMT)”*

## Module 1. Artificial Intelligence-Assisted Translation Tools and Platforms

- 1.1. Introduction to AI-Assisted Translation Tools and Platforms
  - 1.1.1. Definition and Basic Concepts
  - 1.1.2. Brief History and Evolution
  - 1.1.3. Importance and Benefits in Professional Translation
- 1.2. Main AI-Assisted Translation Tools
  - 1.2.1. Description and Functionalities of the Leading Tools on the Market
  - 1.2.2. Comparison of Features and Prices
  - 1.2.3. Use Cases and Practical Examples
- 1.3. Professional AI-Assisted Translation Platforms. Wordfast
  - 1.3.1. Description of Popular AI-Assisted Translation Platforms
  - 1.3.2. Specific Functionalities for Translation Teams and Agencies
  - 1.3.3. Integration with Other Project Management Systems and Tools
- 1.4. Machine Translation Models Implemented in AI-Assisted Translation Tools
  - 1.4.1. Statistical Translation Models
  - 1.4.2. Neural Translation Models
  - 1.4.3. Advances in Neural Machine Translation (NMT) and Its Impact on AI-Assisted Translation Tools
- 1.5. Integration of Linguistic Resources and Databases in AI-Assisted Translation Tools
  - 1.5.1. Using Corpus and Linguistic Databases to Improve Translation Accuracy
  - 1.5.2. Integrating Specialized Dictionaries and Glossaries
  - 1.5.3. Importance of Context and Specific Terminology in AI-Assisted Translation
- 1.6. User Interface and User Experience in AI-Assisted Translation Tools
  - 1.6.1. User Interface Design and Usability
  - 1.6.2. Customization and Preference Settings
  - 1.6.3. Accessibility and Multilingual Support on AI-Assisted Translation Platforms
- 1.7. Quality Assessment in AI-Assisted Translation
  - 1.7.1. Translation Quality Assessment Metrics
  - 1.7.2. Machine vs. Human Evaluation
  - 1.7.3. Strategies to Improve the Quality of AI-Assisted Translation





- 1.8. Integration of AI-Assisted Translation Tools into the Translator's Workflow
  - 1.8.1. Incorporation of AI-Assisted Translation Tools into the Translation Process
  - 1.8.2. Optimizing Workflow and Increasing Productivity
  - 1.8.3. Collaboration and Teamwork in AI-Assisted Translation Environments
- 1.9. Ethical and Social Challenges in the Use of AI-Assisted Translation Tools
  - 1.9.1. Biases and Discrimination in Machine Translation
  - 1.9.2. Privacy and Security of User Data
  - 1.9.3. Impact on the Translation Profession and on Linguistic and Cultural Diversity
- 1.10. Future of AI-Assisted Translation Tools and IA. Wordbee
  - 1.10.1. Emerging Trends and Technological Developments
  - 1.10.2. Future Prospects and Potential Innovative Applications
  - 1.10.3. Implications for Training and Professional Development in the Field of Translation

“*An unparalleled academic experience that not only offers you up-to-date technical knowledge in a disruptive 100% online modality. Don't miss the opportunity*”

05

# Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.





“

*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

### The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist. The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”



## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



### The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

We present 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".



#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



**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 for future difficult decisions.



**Quick Action Guides**

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.





06

# Certificate

The Postgraduate Certificate in Artificial Intelligence-Assisted Translation Tools and Platforms guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program  
and receive your university qualification  
without having to travel or fill out  
laborious paperwork"*

This private qualification will allow you to obtain a **Postgraduate Certificate in Artificial Intelligence-Assisted Translation Tools and Platforms** 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** private qualification, 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.

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