

# Postgraduate Certificate

## Artificial Intelligence in Pharmaceutical Production and Distribution



## Postgraduate Certificate Artificial Intelligence in Pharmaceutical Production and Distribution

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

Website: [www.techtute.com/us/artificial-intelligence/postgraduate-certificate/artificial-intelligence-pharmaceutical-production-distribution](http://www.techtute.com/us/artificial-intelligence/postgraduate-certificate/artificial-intelligence-pharmaceutical-production-distribution)

# Index

01

Introduction to the Program

---

*p. 4*

02

Why Study at TECH?

---

*p. 8*

03

Syllabus

---

*p. 12*

04

Teaching Objectives

---

*p. 16*

05

Study Methodology

---

*p. 20*

06

Teaching Staff

---

*p. 30*

07

Certificate

---

*p. 34*



# 01

# Introduction to the Program

Artificial Intelligence has emerged as a fundamental tool in the optimization of pharmaceutical production and distribution, radically transforming efficiency, safety and personalization in the supply chain. According to the International Society for Pharmaceutical Engineering (ISPE), the use of advanced algorithms has reduced manufacturing times by up to 30%, while the implementation of predictive models has improved inventory management and minimized the risk of shortages by 25%. Faced with this technological innovation, TECH has developed this Postgraduate Certificate that will provide everything necessary to adapt to a highly digitalized and constantly evolving environment. Using a 100% online methodology, specialists will be prepared to lead digital transformation projects.





“

*Do you want to lead projects in a dynamic and demanding environment? This innovative Postgraduate Certificate will prepare you to respond to the challenges of a constantly evolving technological and pharmaceutical market. Enroll now!”*

The pharmaceutical industry has undergone an unprecedented transformation thanks to the implementation of Artificial Intelligence. Currently, this technology makes it possible to optimize production, improve the traceability of medicines and streamline distribution globally. Thanks to advanced predictive models and automated systems, it has been possible to reduce costs, minimize errors and guarantee greater efficiency throughout the supply chain.

Aware of this reality, TECH has developed this program in AI in Pharmaceutical Production and Distribution that will provide in-depth and up-to-date knowledge in this field. Throughout a comprehensive and specialized syllabus, key topics such as process automation in pharmaceutical manufacturing, the use of Big Data in inventory management and the implementation of Machine Learning for demand prediction will be addressed. In addition, emphasis will be placed on digital solutions for logistics optimization and improving regulatory compliance in the distribution of drugs.

Based on this, graduates will be ready to access new job opportunities in pharmaceutical companies, research laboratories and biotechnology companies. They will also have the necessary skills to participate in digital transformation projects, optimize industrial processes and develop innovative strategies that improve the operational efficiency of the sector.

Finally, TECH will deliver this qualification in a 100% online format, allowing professionals to advance their learning without giving up their personal or professional commitments. In turn, the Relearning methodology will be implemented, based on the strategic reiteration of content, which facilitates a progressive and effective assimilation of key concepts. With flexible access to teaching materials and a practical approach, this academic experience offers comprehensive preparation adapted to the current needs of the technology and pharmaceutical sectors.

This **Postgraduate Certificate in Artificial Intelligence in Pharmaceutical Production and Distribution** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- ♦ Development of practical cases presented by experts in Artificial Intelligence
- ♦ 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 the self-assessment process can be carried out to improve learning
- ♦ Special emphasis on innovative methodologies in Pharmaceutical Production and Distribution
- ♦ 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



*You will specialize in the application of AI in Pharmacy and access key content that transforms related processes, from production to efficient distribution. Join TECH now!"*

“

*Among the many benefits of enrolling at TECH is the development of technological skills that will allow you to adapt to constant innovation in the Pharmacy sector”*

Its teaching staff includes professionals from the field of Artificial Intelligence, who bring their work experience to this program, as well as renowned specialists from leading companies and prestigious 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 an immersive learning experience designed to prepare for real-life situations.

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

*You will prepare to implement innovative solutions in the field of pharmaceutical production and distribution, boosting the competitiveness of companies and contributing to improving access to medicines.*

*Transform your pharmaceutical approach to master Artificial Intelligence in the production and distribution of drugs! You will learn 100% online with a program that adapts to your needs.*





02

# Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.





“

*Study at the world's largest online university and guarantee your professional success. The future starts at TECH”*

**The world's best online university, according to FORBES**

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

**The best top international faculty**

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

**The world's largest online university**

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



**The most complete syllabuses on the university scene**

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

**A unique learning method**

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

#### The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

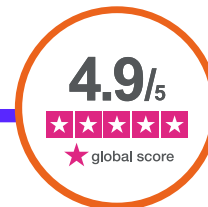
#### Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



#### Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



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

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.





# 03 Syllabus

Through an up-to-date syllabus, specialists will cover everything from the fundamentals of Machine Learning to its impact on pharmacovigilance, risk management and logistics automation. In turn, they will emphasize key aspects such as Big Data analysis for strategic decision-making, the use of predictive models in drug distribution and the implementation of intelligent systems for regulatory compliance. Finally, they will delve into the integration of AI with technologies such as the Internet of Things (IoT) for real-time monitoring of the supply chain.



“

*Connect with the future of Pharmacy! With this TECH program you will discover how AI is capable of efficiently transforming pharmaceutical production and distribution”*



## Module 1. Artificial Intelligence in Pharmaceutical Production and Distribution

- 1.1. Optimization of Manufacturing Processes with AI
  - 1.1.1. Introduction to Pharmaceutical Manufacturing and Current Challenges
  - 1.1.2. AI Algorithms to Improve Production Efficiency
  - 1.1.3. Predictive Models to Reduce Manufacturing Times
  - 1.1.4. Siemens Pharma Example for Process Automation
- 1.2. Quality Control in Drug Manufacturing
  - 1.2.1. Importance of Quality Control in the Pharmaceutical Industry
  - 1.2.2. AI Algorithms for Inspection and Defect Detection
  - 1.2.3. AI to Ensure Consistency in Product Quality
  - 1.2.4. Applications such as Aizon for Quality Analysis in Production
- 1.3. AI for Inventory and Distribution Management
  - 1.3.1. Introduction to Inventory Management in Pharmaceuticals
  - 1.3.2. AI Models for Inventory and Demand Optimization
  - 1.3.3. Demand Forecasting Using Data Analytics
  - 1.3.4. Tools such as SAP Integrated Business Planning
- 1.4. Predictive Maintenance in Production Plants
  - 1.4.1. Concept of Predictive Maintenance and Its Benefits
  - 1.4.2. AI Algorithms to Anticipate Machinery Failures
  - 1.4.3. AI to Optimize Maintenance Cycles
  - 1.4.4. Examples of Digital GE in Predictive Maintenance
- 1.5. Drug Counterfeit Detection
  - 1.5.1. Impact of Drug Counterfeiting on Public Health
  - 1.5.2. AI for Authentication of Pharmaceutical Products
  - 1.5.3. Computer Vision Algorithms for Counterfeit Detection
  - 1.5.4. Tools such as TruTag for Authenticity Verification
- 1.6. Automation in Packaging and Labeling
  - 1.6.1. Packaging Processes in the Pharmaceutical Industry
  - 1.6.2. AI for Optimization of Automated Labeling and Packaging
  - 1.6.3. Computer Vision Techniques in Label Control
  - 1.6.4. Rockwell Automation Applications in Packaging





- 
- 1.7. Logistics Optimization and Safe Distribution of Pharmaceuticals
    - 1.7.1. Drug Logistics and Its Impact on Availability
    - 1.7.2. AI Algorithms for Optimization of Distribution Routes
    - 1.7.3. AI for Tracking Deliveries and Transport Conditions
    - 1.7.4. Examples such as UPS Healthcare for Secure Distribution
  - 1.8. AI for Cold Chain Improvement in Distribution
    - 1.8.1. Importance of the Cold Chain for Sensitive Medicines
    - 1.8.2. Predictive Models for Maintaining Optimal Temperatures
    - 1.8.3. Real-Time Monitoring Algorithms
    - 1.8.4. Tools such as Carrier Sensitech for Cold Chain Control
  - 1.9. Automation of Stock Management in Pharmacies
    - 1.9.1. Introduction to Stock Management in Pharmacies
    - 1.9.2. AI Algorithms for Optimizing Product Replenishment
    - 1.9.3. AI Systems for Demand and Consumption Forecasting
    - 1.9.4. Applications such as Omnicell for Automated Inventory Management
  - 1.10. Delivery Route Optimization with AI
    - 1.10.1. Delivery Challenges in the Pharmaceutical Industry
    - 1.10.2. Route Optimization Algorithms for Efficient Delivery
    - 1.10.3. AI for Real-Time Dynamic Route Planning
    - 1.10.4. Example of DHL SmartSensor for Drug Logistics



*You will progress at your own pace with an online methodology that will optimize your practical knowledge! This way, you will prepare yourself to lead in a digital environment related to pharmacology”*

04

# Teaching Objectives

This program has been designed with the aim of providing professionals with advanced knowledge and strategic skills to apply AI in process optimization. To this end, the program will delve into the use of Machine Learning and Deep Learning in demand forecasting and inventory optimization, as well as in the automation of industrial processes through intelligent algorithms. In addition, they will address advanced Big Data strategies for the analysis of pharmaceutical data. In this way, graduates will develop highly demanded skills, positioning themselves as key professionals in a constantly evolving market.





“

*Thanks to the TECH modality, you will advance in your professional career without interruptions, preparing yourself for a future where technology will play a leading role in the pharmaceutical industry”*





## General Objectives

---

- ♦ Apply artificial intelligence techniques to optimize pharmaceutical production processes
- ♦ Develop predictive models to improve inventory and supply chain management
- ♦ Implement AI-based quality control systems to ensure product safety and efficacy
- ♦ Analyze large datasets to identify patterns and trends in drug production and distribution
- ♦ Design machine learning algorithms to automate tasks and improve operational efficiency
- ♦ Evaluate the impact of AI on the pharmaceutical industry and propose innovative solutions
- ♦ Collaborate with multidisciplinary teams to develop research and development projects in the field of pharmaceutical AI
- ♦ Understand the regulations and standards related to the application of AI in the pharmaceutical industry





### Specific Objectives

---

- ♦ Develop skills to use Artificial Intelligence to automate and improve efficiency in drug production, ensuring quality and consistency
- ♦ Manage the pharmaceutical supply chain using AI to implement solutions that optimize the distribution and logistics of pharmaceutical products, reducing costs and delivery times
- ♦ Manage predictive models for drug demand and use AI algorithms to predict the needs of the pharmaceutical market and adjust production and distribution efficiently
- ♦ Implement quality control systems in pharmaceutical production using AI to integrate intelligent systems to monitor and control product quality throughout the entire manufacturing and distribution process



*If you want to lead the future of the pharmaceutical industry and promote technological innovation, you've come to the right place. Enroll and take the next step towards a successful career in a rapidly evolving sector!"*



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 teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, 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.



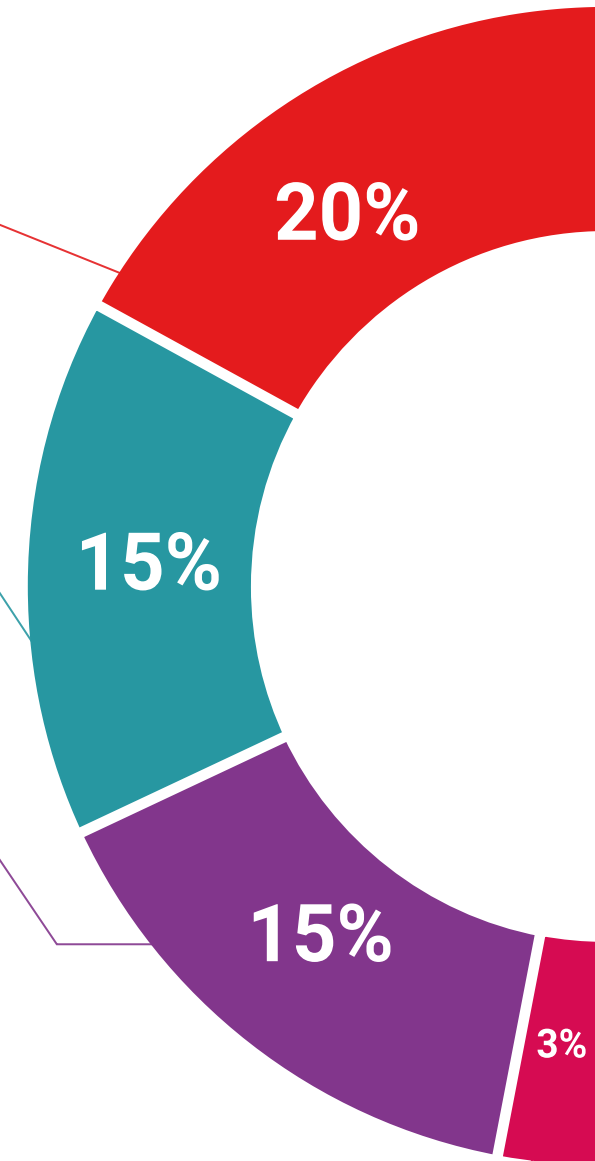
#### Interactive Summaries

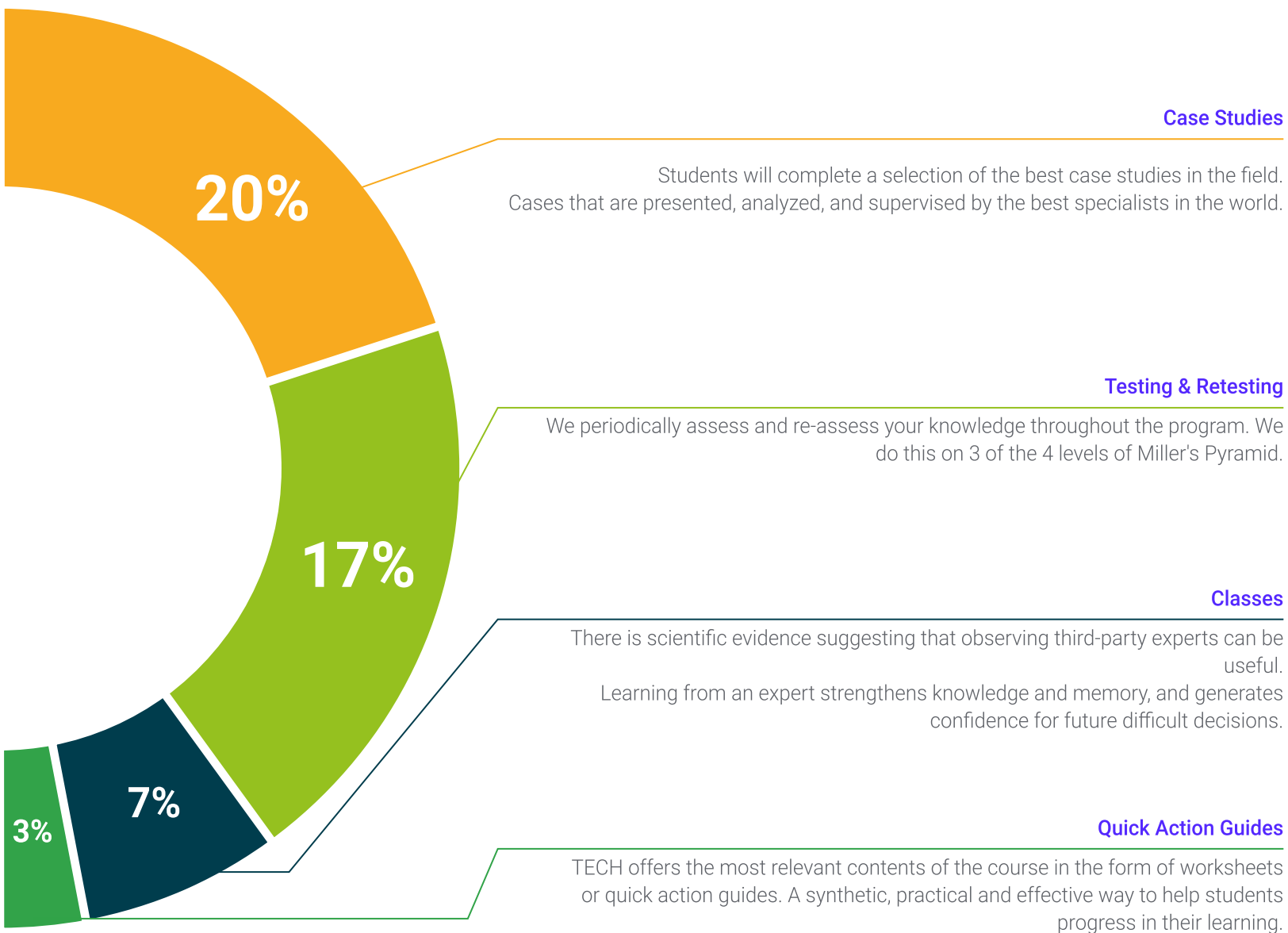
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

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







06

# Teaching Staff

The teaching staff on this academic itinerary is made up of a team of world-class experts whose experience in the sector guarantees quality teaching that is up to date and geared towards the professional reality. Through their experience in leading pharmaceutical industries, technological innovation centers and digitalization projects, the lecturers will provide a comprehensive view of the application of AI at each stage of the drug production and distribution chain. Thanks to their practical approach and knowledge of emerging trends, they will guide students in their understanding of advanced tools applied to the pharmaceutical field.



“

*You will learn from teachers with extensive experience in technology applied to the pharmaceutical industry! They will share with you the keys and highlights of a constantly evolving sector”*

## Management



### **Dr. Peralta Martín-Palomino, Arturo**

- ♦ CEO and CTO at Prometheus Global Solutions
- ♦ CTO at Korporate Technologies
- ♦ CTO at AI Shephers GmbH
- ♦ Consultant and Strategic Business Advisor at Alliance Medical
- ♦ Director of Design and Development at DocPath
- ♦ PhD in Computer Engineering 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
- ♦ Master's Degree in Expert in Big Data by Hadoop Training
- ♦ Master's Degree in Advanced Information Technologies from the University of Castilla La Mancha
- ♦ Member of: SMILE Research Group



## Professors

### Ms. Del Rey Sánchez, Cristina

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

### Mr. Del Rey Sánchez, Alejandro

- ♦ Responsible for implementing programs to improve tactical care in emergencies
- ♦ Degree in Industrial Organization Engineering
- ♦ Certification in Big Data and Business Analytics
- ♦ Certification in Microsoft Excel Advanced, VBA, KPI and DAX
- ♦ Certification in CIS Telecommunication and Information Systems

### Dr. Carrasco González, Ramón Alberto

- ♦ Business Intelligence Manager (Marketing) at Granada Savings Bank and Mare Nostrum Bank
- ♦ Head of Information Systems (Data Warehousing and Business Intelligence) at General Savings Bank of Granada and Mare Nostrum Bank.
- ♦ Computer Science and Artificial Intelligence Specialist and Researcher
- ♦ PhD in Artificial Intelligence from the University of Granada
- ♦ Higher Engineering Degree in Computer Science from the University of Granada

### Mr. Martín-Palomino Sahagún, Fernando

- ♦ Chief Technology Officer and R+D+i Director at AURA Diagnostics (medTech)
- ♦ Business Development at SARLIN
- ♦ Chief Operating Officer at Alliance Diagnostics
- ♦ Chief Innovation Officer at Alliance Medical
- ♦ Chief Information Officer at Alliance Medical
- ♦ Field Engineer & Project Management in Digital Radiology at Kodak
- ♦ MBA from Polytechnic University of Madrid
- ♦ Executive Master in Marketing and Sales at ESADE
- ♦ Telecommunications Engineer from the University Alfonso X El Sabio

### Mr. Popescu Radu, Daniel Vasile

- ♦ Independent Specialist in Pharmacology, Nutrition and Dietetics
- ♦ Freelance Producer of Teaching and Scientific Contents
- ♦ Nutritionist and Community Dietitian
- ♦ Community Pharmacist
- ♦ Researcher
- ♦ Master's Degree in Nutrition and Health at the Open University of Cataluña
- ♦ Master's Degree in Psychopharmacology from the University of Valencia
- ♦ Pharmacist from the Complutense University of Madrid
- ♦ Nutritionist-Dietician from the European University Miguel de Cervantes

07

# Certificate

The Postgraduate Certificate in Artificial Intelligence in Pharmaceutical Production and Distribution guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

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



This private qualification will allow you to obtain a **Postgraduate Certificate in Artificial Intelligence in Pharmaceutical Production and Distribution** 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.

Title: **Postgraduate Certificate in Artificial Intelligence in Pharmaceutical Production and Distribution**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





## Postgraduate Certificate Artificial Intelligence in Pharmaceutical Production and Distribution

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

# Postgraduate Certificate

## Artificial Intelligence in Pharmaceutical Production and Distribution