

Postgraduate Diploma

Data Science and Cloud Solutions



Postgraduate Diploma Data Science and Cloud Solutions

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitude.com/us/information-technology/postgraduate-diploma/postgraduate-diploma-data-science-cloud-solutions

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01

Introduction to the Program

The digital transformation has driven a growing demand for experts in Data Science and Cloud Computing. According to the World Economic Forum, these technologies are essential for business optimization, data-driven decision-making, and competitiveness in the global market. This landscape requires professionals capable of handling large volumes of information, applying machine learning models, and managing efficient and secure cloud infrastructures. In this context, TECH is launching an innovative university program focused on Data Science and Cloud Solutions. In addition, it is delivered in a convenient and fully online modality.



“

With this 100% online Postgraduate Diploma, you will apply Cloud solutions in the processing and storage of large volumes of data”

The exponential growth of data and the adoption of Cloud solutions have completely transformed the business and technological environment. Organizations increasingly depend on data analysis to optimize their processes, improve customer experience, and make strategic decisions based on accurate information. At the same time, cloud computing allows resources to be scaled flexibly, ensuring efficiency and security. In this context, advanced knowledge of Data Science and Cloud Solutions has become a key factor for competitiveness in various sectors.

This TECH university program offers comprehensive specialization in two areas essential for digital transformation. Through a practical approach, the syllabus will delve into data analysis, processing, and visualization, as well as cloud infrastructure management. In this way, students will acquire advanced skills to design, implement, and scale technological solutions based on Data Science and Cloud environments. They will also be able to tackle real challenges in digital transformation projects, optimize processes through intelligent data analysis, and deploy efficient, secure cloud architectures aligned with the needs of today's industry.

In addition to its extensive professional benefits, this university program is delivered in a completely online format, ensuring maximum flexibility and accessibility. This format allows students to balance their studies with other responsibilities, eliminating geographical barriers and offering access to up-to-date materials at any time. Interactive resources and an intuitive platform facilitate dynamic learning tailored to the needs of the sector.

This **Postgraduate Diploma in Data Science and Cloud Solutions** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Software
- ♦ The graphical, schematic and eminently practical content of the contents of the book provides scientific and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the process of self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in Data Science and Cloud Solutions
- ♦ 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 manage large volumes of information using scalable and secure Cloud architectures, optimizing operational efficiency in any digital environment"

“

Learn about advanced Data storage and analysis models in Cloud environments, allowing you to optimize the performance and security of computer systems”

The teaching staff includes professionals from the field of software 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.

Explore the leading Cloud Computing platforms, gaining practical knowledge about innovative storage solutions.

Thanks to the Relearning method, you will be able to consolidate the key concepts offered by this university program.



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.



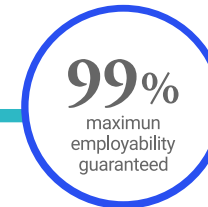
The official online university of the NBA

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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.



Leaders in employability

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03 Syllabus

In a world driven by data and technology, the integration of Data Science with Cloud Solutions has become a fundamental pillar for innovation and business efficiency. This syllabus offers a comprehensive approach, covering everything from advanced analytics to cloud infrastructure optimization. With a design geared towards market demands, it allows students to develop key skills for strategic decision-making and digital transformation. It provides the tools needed to tackle technological challenges and maximize the potential of Data.




```
elif _operation == "MIRROR_Z":  
    mirror_mod.use_x = False  
    mirror_mod.use_y = False  
    mirror_mod.use_z = True
```

```
#selection at the c  
mirror_ob.select= 1  
modifier_ob.select  
bpy.context.s  
print("Sel
```

“

*Integrate Machine Learning techniques
into Data-based solutions, automating
processes and generating highly
accurate predictions”*

Module 1. Advanced Agile Methodologies for Seniors

- 1.1. Agile Methodologies
 - 1.1.1. Principles of the Agile Manifesto
 - 1.1.2. Comparison between Scrum, Kanban, and SAFe
 - 1.1.3. Success Stories in the Application of Agile Methodologies
- 1.2. Advanced Scrum as an Agile Methodology
 - 1.2.1. Detailed Roles and Responsibilities
 - 1.2.2. Advanced Product Backlog Management
 - 1.2.3. Metrics and Project Tracking in Scrum
- 1.3. Kanban for Development Teams
 - 1.3.1. Principles of Continuous Flow
 - 1.3.2. WIP (Work in Progress) Limits Management
 - 1.3.3. Workflow Optimization with Kanban
- 1.4. Scaling Agile
 - 1.4.1. SAFe (Scaled Agile Framework)
 - 1.4.2. Implementation of LESS (Large-scale Scrum)
 - 1.4.3. Coordination between Multiple Agile Teams
- 1.5. Agile Coaching and Leadership
 - 1.5.1. Key Skills of an Agile Coach
 - 1.5.2. Facilitating Effective Retrospectives
 - 1.5.3. Conflict Resolution in Agile Teams
- 1.6. Risk Management in Agile Projects
 - 1.6.1. Risk Identification and Analysis
 - 1.6.2. Risk Mitigation Strategies
 - 1.6.3. Rapid Adaptation to Unexpected Changes
- 1.7. Agile Tools for Remote Teams
 - 1.7.1. Using Jira and Trello for Agile Management
 - 1.7.2. Effective Communication with Slack and Microsoft Teams
 - 1.7.3. Techniques for Collaboration in Distributed Environments
- 1.8. Metrics in Agile Projects
 - 1.8.1. Burnup and Burndown Charts
 - 1.8.2. Measuring Team Velocity
 - 1.8.3. Key Indicators for Continuous Improvement



- 1.9. Case Studies in Agile Methodologies
 - 1.9.1. Analysis of Implementation in Real Companies
 - 1.9.2. Lessons Learned from Successful Projects
 - 1.9.3. Common Failures and How to Avoid Them
- 1.10. Practical Project in Agile Teams
 - 1.10.1. Planning a Project with Scrum and Kanban
 - 1.10.2. Project Execution and Monitoring
 - 1.10.3. Presentation of Results and Retrospective

Module 2. Data Science and Machine Learning for Seniors

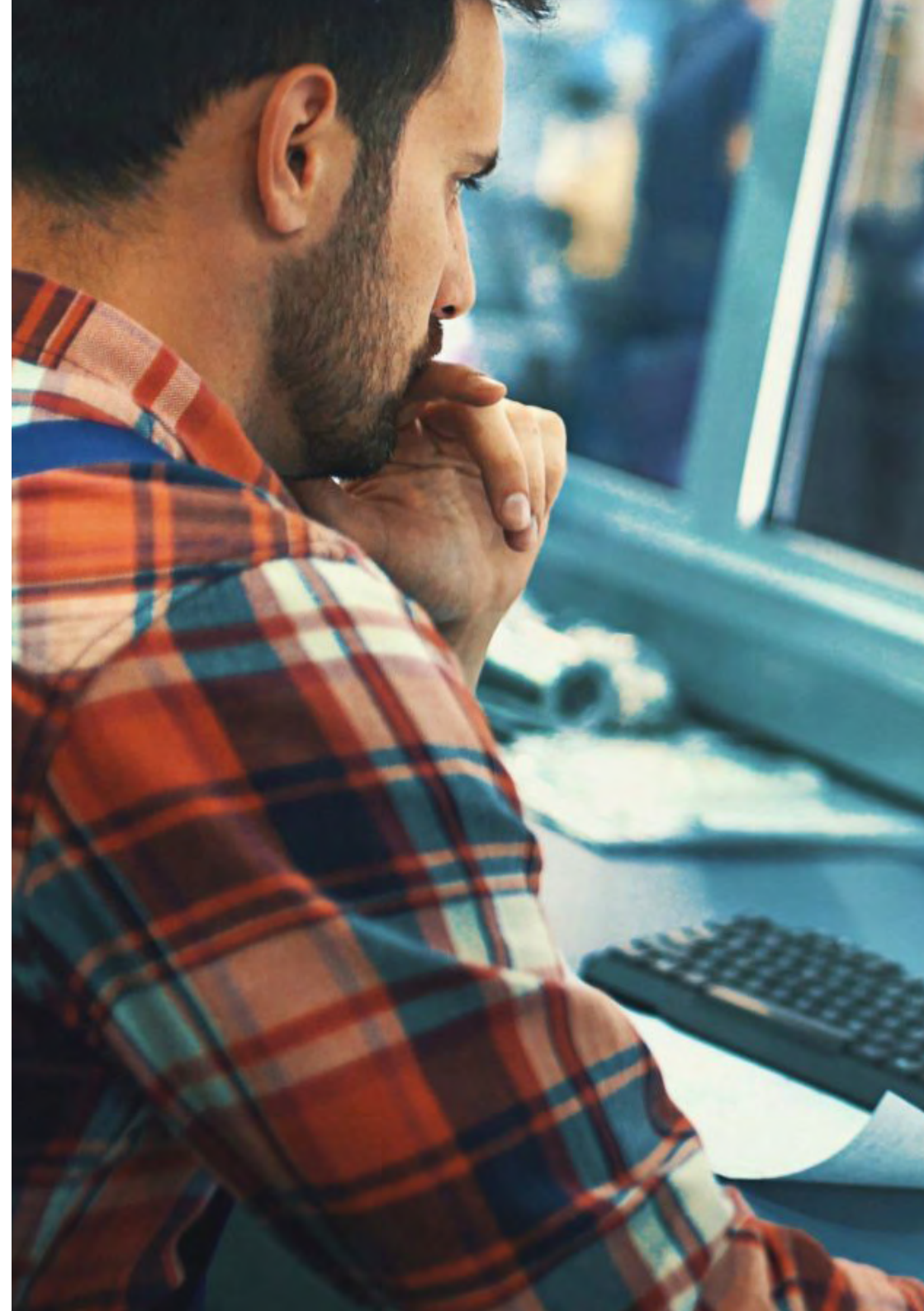
- 2.1. Data Science
 - 2.1.1. Practical Applications in Data Management and IT Process Optimization
 - 2.1.2. Main Tools for Data Analysis and Processing: Pandas, NumPy
 - 2.1.3. Initial Data Processing
- 2.2. Data Visualization for Analysis and Effective Information Presentation
 - 2.2.1. Creating Basic Graphs with Matplotlib
 - 2.2.2. Advanced Visualizations with Seaborn
 - 2.2.3. Customization and Design of Interactive Graphs
- 2.3. Descriptive Statistics in Data Science
 - 2.3.1. Measures of Central Tendency
 - 2.3.2. Measures of Dispersion and Distribution
 - 2.3.3. Correlation Analysis
- 2.4. Data Cleaning and Transformation
 - 2.4.1. Handling Null and Duplicate Values
 - 2.4.2. Mathematical Transformations and Categorization
 - 2.4.3. Use of Pipelines for Automated Cleaning
- 2.5. Supervised Machine Learning
 - 2.5.1. Linear and Logistic Regression Models
 - 2.5.2. Classification Models: KNN, Decision Trees
 - 2.5.3. Model Assessments with Performance Metrics

- 2.6. Unsupervised Machine Learning
 - 2.6.1. Clustering with K-means and DBSCAN
 - 2.6.2. Dimension Reduction with PCA
 - 2.6.3. Group and Pattern Analysis in Data
- 2.7. Neural Networks
 - 2.7.1. Types of Neural Networks and Their Architecture
 - 2.7.2. Implementation with Keras and TensorFlow
 - 2.7.3. Practical Examples of Prediction
- 2.8. Real-Time Data Processing
 - 2.8.1. Integration with Apache Kafka
 - 2.8.2. Data Streaming with Spark
 - 2.8.3. Practical Examples of Real-Time Processing
- 2.9. Implementation of Data Science Projects
 - 2.9.1. End-to-end Project Design
 - 2.9.2. Integrating Models into Applications
 - 2.9.3. Testing and Deployment in Production
- 2.10. Ethics and Responsibility in Data Use
 - 2.10.1. Ethical Considerations in Machine Learning
 - 2.10.2. Biases in Data and Models
 - 2.10.3. Regulations and Legal Compliance

Module 3. Cloud Computing for Seniors

- 3.1. Cloud Computing
 - 3.1.1. *Cloud Computing*
 - 3.1.2. Services Models: IaaS, PaaS, SaaS
 - 3.1.3. Benefits and Challenges of Adopting the Cloud
- 3.2. Cloud Service Providers
 - 3.2.1. Main Platforms: AWS, Azure, Google Cloud
 - 3.2.2. Comparison of Features and Prices
 - 3.2.3. Specific Use Cases for Each Provider

- 3.3. Setting Up Cloud Services
 - 3.3.1. Creating Virtual Machines
 - 3.3.2. Cloud Storage: Types and Configuration
 - 3.3.3. Virtual Networks and Access Management
- 3.4. Deploying Applications in the Cloud
 - 3.4.1. Deployment Methods: Manual and Automated
 - 3.4.2. Using Tools Such as Elastic Beanstalk and App Engine
 - 3.4.3. Practical Example of Deployment
- 3.5. Cloud Containers
 - 3.5.1. Using Services Such as ECS, GKE, and AKS
 - 3.5.2. Integration with Docker and Kubernetes
 - 3.5.3. Scalability of Containerized Applications
- 3.6. Cloud Database Management
 - 3.6.1. Managed Services: RDS, Firestore, Cosmos DB
 - 3.6.2. Database Configuration and Optimization
 - 3.6.3. Backup and Disaster Recovery
- 3.7. Cloud Security
 - 3.7.1. Security Policies and Access Control
 - 3.7.2. Encryption of Data in Transit and at Rest
 - 3.7.3. Audits and Regulatory Compliance
- 3.8. Cloud Automation
 - 3.8.1. Infrastructure as Code (IaC)
 - 3.8.2. Use of Terraform and CloudFormation
 - 3.8.3. Creation of Automation Pipelines
- 3.9. Monitoring and Optimization
 - 3.9.1. Use of Tools such as CloudWatch, Stackdriver, and Azure Monitor
 - 3.9.2. Cloud Cost Optimization
 - 3.9.3. Alerts and Key Metrics for Applications
- 3.10. Trends in Cloud Computing
 - 3.10.1. Hybrid Cloud and Multicloud: Features and Benefits
 - 3.10.2. Serverless Computing: Concepts and Use Cases
 - 3.10.3. The Future of Cloud Computing: Artificial Intelligence and Automation



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You will develop predictive analytics projects using cloud infrastructures”

04

Teaching Objectives

The main objective of this program is to provide in-depth, applied knowledge of Data Science and Cloud Solutions, enabling students to master advanced tools for managing, analyzing, and storing large volumes of information. In this regard, students will develop advanced skills to integrate analytical models into Cloud infrastructures, automate data analysis processes, and extract key information for strategic decision-making. They will also be able to implement scalable, secure, and efficient solutions tailored to the current demands of organizations focused on digital transformation.



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You will understand the importance of security and regulatory compliance in Cloud infrastructures, ensuring information protection and compliance with international regulations”

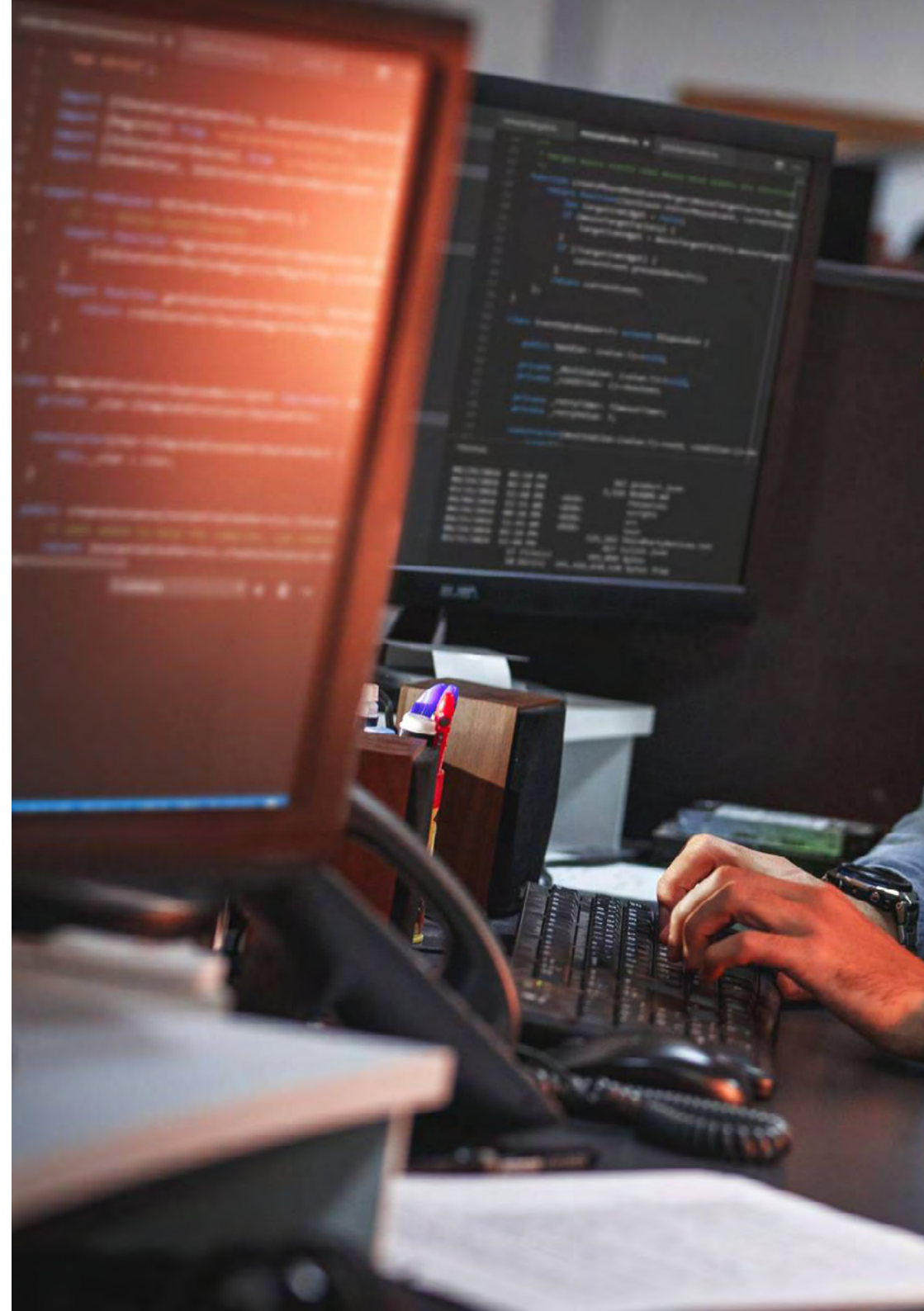


General Objectives

- ♦ Provide in-depth knowledge of advanced software architectures and their applicability in professional environments
- ♦ Provide a comprehensive overview of modern back-end development, covering architectures, tools, and best practices
- ♦ Develop efficient and scalable front-end applications with modern technologies
- ♦ Apply advanced data science and machine learning techniques
- ♦ Understand the fundamentals of cybersecurity and its importance in software development
- ♦ Master the fundamental principles of DevOps and its impact on software development
- ♦ Implement the principles of the agile manifesto in development environments
- ♦ Manage the differences and benefits of native and cross-platform mobile development
- ♦ Analyze the fundamental concepts of cloud computing and its impact on application development and operation



You will acquire advanced skills for optimizing costs and resources in cloud services, designing efficient strategies to maximize the profitability of digital infrastructures”





Specific Objectives

Module 1. Advanced Agile Methodologies for Seniors

- ♦ Differentiate and select the most appropriate Agile Methodology according to the project context
- ♦ Optimize workflow in Kanban by managing WIP limits
- ♦ Coordinate multiple teams using agile scaling frameworks such as SAFe and LESS

Module 2. Data Science and Machine Learning for Seniors

- ♦ Apply data cleaning, transformation, and preparation methods for Machine Learning
- ♦ Develop advanced visualizations with Matplotlib and Seaborn to interpret data
- ♦ Train supervised Machine Learning models and evaluate their performance with key metrics
- ♦ Implement clustering and dimensionality reduction techniques in unsupervised Machine Learning

Module 3. Cloud Computing for Seniors

- ♦ Differentiate between cloud service models (IaaS, PaaS, SaaS) and their practical applications
- ♦ Compare cloud providers such as AWS, Azure, and Google Cloud based on features and costs
- ♦ Set up virtual machines, cloud storage, and virtual networks
- ♦ Deploy applications using tools such as Elastic Beanstalk and App Engine

05

Career Opportunities

The rise of Data Processing and the adoption of Cloud Solutions has transformed the job landscape, generating high demand for specialists in this field. This program opens the door to various professional opportunities in sectors such as Health, Commerce, and Technology. In addition, mastery of advanced tools allows you to access strategic roles in Data Analysis, Cloud Architecture, and Cybersecurity. This broadens the possibilities for growth and specialization in a highly competitive market, where the ability to manage information efficiently has become a fundamental asset.



“

*You will manage cloud platforms
such as Azure and AWS to deploy
both services and models”*

Graduate Profile

Professionals trained in Data Science and Cloud Solutions stand out for their ability to interpret large volumes of information and optimize technological infrastructures. Thanks to a practical and up-to-date approach, this program allows you to develop key skills in advanced analytics, Cloud environment management, and digital security. In addition, graduates will be prepared to lead innovative projects in multiple sectors, adapting to the changing needs of the market. Their profile combines technical knowledge with strategic vision, giving them a competitive advantage in an environment where digital transformation is essential for business success.

Apply Big Data solutions in key sectors such as Finance, optimizing processes and improving strategic decision-making.

- ♦ **Analytical Thinking and Problem-Solving:** Ability to interpret complex Data, identify patterns, and propose innovative solutions
- ♦ **Adaptability and Continuous Learning:** Ability to update knowledge and adapt to new technologies and methodologies in dynamic environments
- ♦ **Teamwork and Effective Communication:** Development of collaborative strategies and clear communication of technical information to different professional profiles
- ♦ **Time Management and Decision-Making:** Competence in planning, executing, and assessing technology projects, optimizing resources and minimizing risks



After completing the program, you will be able to use your knowledge and skills in the following positions:

1. **Data Analyst:** Specialist in the collection, processing, and interpretation of Data to optimize strategic decision-making in companies and organizations.
2. **Cloud Solutions Architect:** Cloud infrastructure designer responsible for creating scalable and secure solutions for Data storage and processing.
3. **Data Engineer:** Responsible for developing and managing Data architectures, ensuring their accessibility and efficiency in advanced digital environments.
4. **Machine Learning Engineer:** Professional dedicated to implementing artificial intelligence models to automate processes and improve predictive analytics.
5. **Cloud Security Specialist:** Expert in protecting cloud infrastructures, ensuring the integrity, confidentiality, and availability of information.
6. **Business Intelligence Consultant:** Consultant in business strategy optimization through Data analysis and advanced visualization tools.
7. **DevOps Engineer:** Responsible for integrating development and operations processes in Cloud environments, ensuring efficiency and automation in software management.
8. **IT Project Manager:** Leader in the planning and execution of technology projects, managing teams and resources to achieve strategic objectives.

“

You will be able to extract valuable conclusions from large volumes of data using statistical and predictive techniques”

06

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.

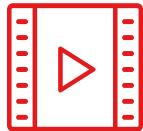
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

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

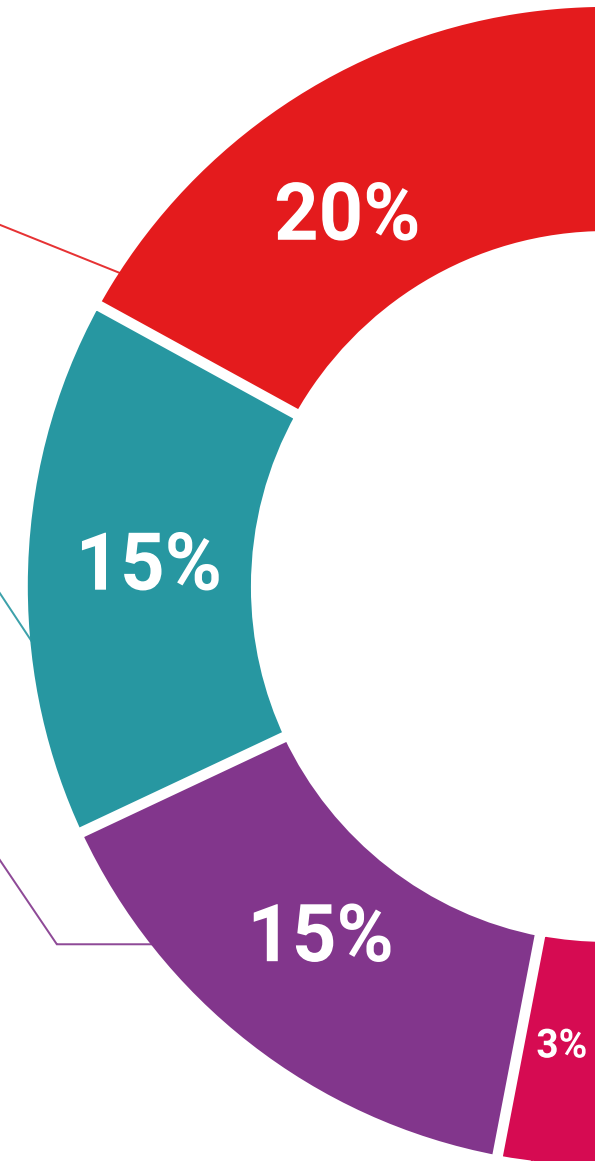
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

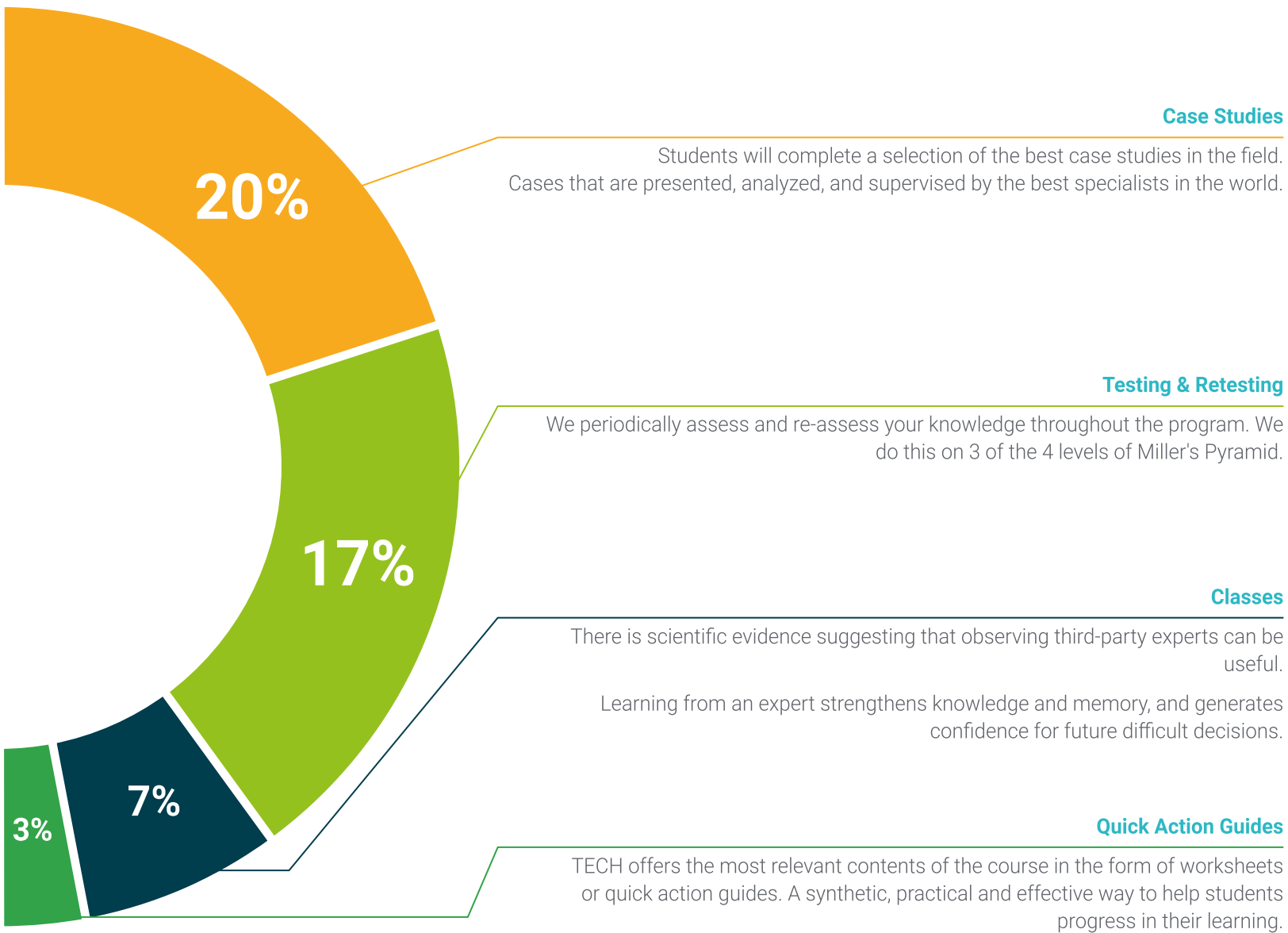
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





07

Teaching Staff

The teaching staff for this program is made up of high-level professionals whose backgrounds combine academic and practical experience in the sector. Thanks to their specialized knowledge, they provide a comprehensive and up-to-date view of trends and challenges in the field of Data and Cloud solutions. In addition, their teaching approach allows them to convey knowledge in a clear and practical way, facilitating the understanding of complex concepts. Added to this is their participation in innovation and digital transformation projects, which ensures that learning is aligned with market demands and the real needs of the industry.



“

Learn from a faculty composed of experts in Data Science and Cloud Solutions, with extensive experience in leading companies and innovative projects”

Management



Mr. Utrilla Utrilla, Rubén

- Technology Project Manager at Serquo
- Fullstack Developer at ESSP
- Junior Fullstack Developer at Sinis Technology S.L
- Junior Fullstack Developer at Cantoblanco Polytechnic School Campus
- Master's Degree in AI and Innovation by Founderz
- Degree in Computer Engineering from the Autonomous University of Madrid
- Google Cloud Developer course in Google Academic Program



Professors

Ms. Jiménez Monar, Angélica Liceth

- ♦ Software Developer at Serquo
- ♦ Technical Support Specialist at Tecnocom
- ♦ Degree in Computer Engineering from the Autonomous University of Madrid
- ♦ Higher Degree in Network Computer Systems Administration

Mr. González Ávila, José Luis

- ♦ Head of Digital Transformation Project for Public Services in the Canary Islands Government
- ♦ Forensic Expert in Information Technology at Juan Antonio Rodríguez
- ♦ Project Manager at Aguas y Estructuras S.A.
- ♦ Senior Technology Consultant at Plexus Tecnologías
- ♦ Analyst at Novasoft Soluciones Canarias S.A
- ♦ Bachelor's Degree in Computer Engineering from the University of La Laguna
- ♦ Technical Degree in Management Computer Engineering from the University of La Laguna
- ♦ Expert in Big Data in Public Administration (R.FD.14.IN.24) from the Canary Islands Institute of Public Administration
- ♦ Expert in European Project Management (R.FD.62.AB.24) from the Canary Islands Institute of Public Administration
- ♦ Specialist in Power BI Data Visualization Tool for Decision Making by Structuralia
- ♦ Expert in Scrum Manager – eLearning by Scrum Master
- ♦ Expert in Management and Marketing of Innovative Products by Human Development Human Resources and Training Consulting
- ♦ Expert in the Use of the AVIP Tool for Teachers-Tutors by INTECCA

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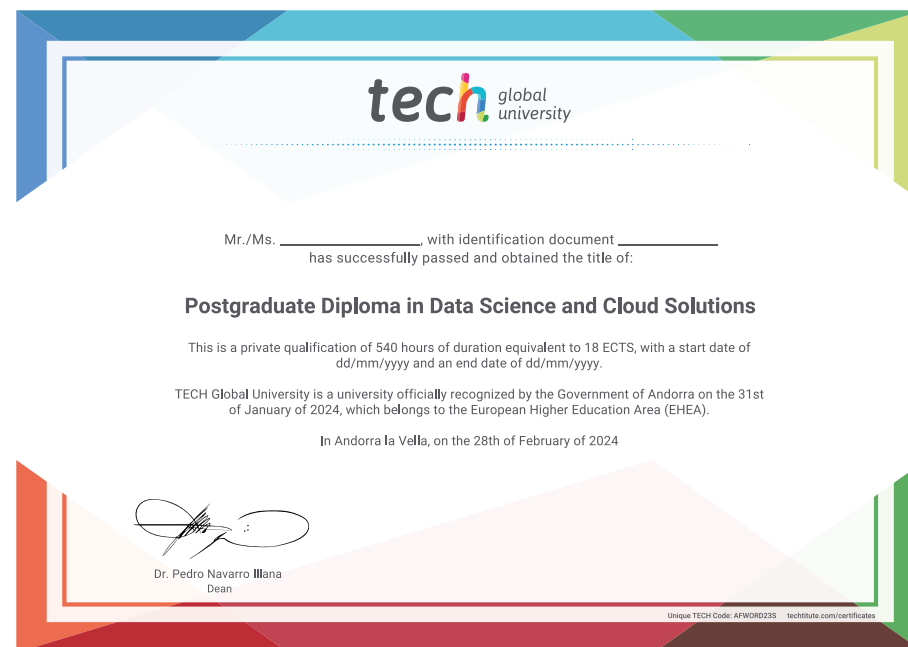
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