

Postgraduate Diploma Cross-Platform and Cloud Application Development



Postgraduate Diploma Cross-Platform and Cloud Application Development

- » 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-cross-platform-cloud-application-development

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01

Introduction to the Program

The growing digitalization has made the development of Cross-Platform Applications and cloud computing essential skills in the labor market. Organizations such as the United Nations emphasize that the adoption of digital technologies is key to economic growth and business competitiveness, driving the demand for professionals trained in these environments. The need for experts in scalable and secure solutions continues to grow, offering ample opportunities in various sectors. In this regard, TECH presents a revolutionary university program focused on Cross-Platform and Cloud Application Development. And all through a convenient 100% online format!



“

*Master Cross-Platform and Cloud
Development with this completely
online Postgraduate Diploma”*

Technological evolution has transformed the way companies and users interact with digital applications. In a world where mobility and accessibility are essential, Cross-Platform Application Development and the use of Cloud environments have become fundamental skills for professionals in the industry. The growing demand for scalable, secure, and efficient technological solutions has driven the need for specialists capable of designing and implementing innovative tools adapted to different devices and operating systems.

This university program offers a unique opportunity to acquire advanced knowledge in software development, Cloud architecture, and Cross-Platform implementation strategies. The combination of this knowledge with a practical and up-to-date approach facilitates the creation of technological solutions aligned with market demands, optimizing development times and maximizing application performance.

The flexibility and adaptability offered by the online methodology make this program an ideal option for those seeking to balance their professional growth with other responsibilities. Access to up-to-date materials, classes taught by experts, and the ability to learn from anywhere allow students to assimilate knowledge at their own pace, ensuring an efficient and dynamic learning process. In addition, interaction with advanced digital tools and collaborative environments simulates the real dynamics of the sector, preparing students for the challenges of the working world.

This **Postgraduate Diploma in Cross-Platform and Cloud Application Development** 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 IT and Technology
- ♦ 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 IT and Technology
- ♦ 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

“Implement cloud solutions, configuring and managing resources on platforms such as AWS, Azure, or Google Cloud”

“

Improve your programming skills in mobile and web environments by mastering key languages such as Java, Kotlin, JavaScript, and frameworks such as React and Flutter”

The teaching staff includes professionals from the field of IT and technology, 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.

Optimize application security by learning advanced strategies to protect data and prevent vulnerabilities in your developments.

Integrate APIs and microservices to design modern architectures that improve the efficiency and scalability of your applications.



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.



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*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

This syllabus offers a comprehensive approach that combines theory and practical application, allowing students to address current challenges in Cross-Platform and Cloud Application Development. In addition, the syllabus will provide students with various techniques for designing, implementing, and deploying functional applications in different operating environments, integrating Cloud services that optimize performance, security, and scalability. This will enable them to adapt confidently to changing technological environments and actively participate in modern, innovation-oriented development projects.



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You will apply agile methodologies to improve software development, deployment, and maintenance in collaborative environments”

Module 1. Cross-Platform Mobile Development for Seniors

- 1.1. Cross-Platform Mobile Development
 - 1.1.1. Differences between Native and Cross-Platform Development
 - 1.1.2. Benefits of the Cross-Platform Approach
 - 1.1.3. Popular Tools and Frameworks
- 1.2. Flutter
 - 1.2.1. Configuration of the Development Environment
 - 1.2.2. Creating Your First Flutter App
 - 1.2.3. Basic Widgets and Navigation
- 1.3. Advanced Development with Flutter
 - 1.3.1. State Management with Provider and Riverpod
 - 1.3.2. Custom Animations in Flutter
 - 1.3.3. Integration with RESTful and GraphQL Services
- 1.4. React Native Framework for Cross-Platform Mobile Development
 - 1.4.1. Installing and Setting Up the Environment
 - 1.4.2. Components and Navigation in React Native
 - 1.4.3. Styles and Responsive Design
- 1.5. Advanced Development with React Native for Cross-Platform Mobile Development
 - 1.5.1. State Management with Redux and Context API
 - 1.5.2. Handling Native and External Libraries
 - 1.5.3. Publishing to Stores (App Store and Google Play)
- 1.6. Testing Mobile Applications
 - 1.6.1. Unit and Functional Testing
 - 1.6.2. Using Tools such as Detox and Appium
 - 1.6.3. Test Automation in Mobile Environments
- 1.7. Mobile Performance Optimization
 - 1.7.1. Strategies for Reducing Memory Usage
 - 1.7.2. Graphics and Animation Optimization
 - 1.7.3. Improving Load and Response Times
- 1.8. Progressive Web Apps (PWA)
 - 1.8.1. Advantages of PWAs
 - 1.8.2. Implementation of Service Workers
 - 1.8.3. Creating Offline-First Apps



- 1.9. Integration of Advanced Features for Cross-Platform Mobile Development
 - 1.9.1. Use of Hardware APIs: GPS, Camera
 - 1.9.2. Push Notifications in Mobile Applications
 - 1.9.3. Payments and Biometric Authentication
- 1.10. Practical Mobile Development Project
 - 1.10.1. Design and Implementation of a Complete Application
 - 1.10.2. Integration of Multiple Technologies Learned
 - 1.10.3. Testing and Final Deployment in Stores

Module 2. Advanced Full-Stack Development for Seniors

- 2.1. MEAN and MERN Stacks
 - 2.1.1. Key Components of Both Stacks
 - 2.1.2. Differences between MEAN and MERN
 - 2.1.3. Use Cases for Each Stack
- 2.2. Full-Stack Project Configuration
 - 2.2.1. Initializing Projects with Node.js
 - 2.2.2. Configuring MongoDB and Express
 - 2.2.3. Initial Integration with Angular or React
- 2.3. Backend with Node.js and Express
 - 2.3.1. Creating RESTful Servers
 - 2.3.2. Middleware Management
 - 2.3.3. Implementing Dynamic Routes
- 2.4. Frontend with Angular or React
 - 2.4.1. Structuring Front-End Projects
 - 2.4.2. Creating Reusable Components
 - 2.4.3. Communicating with the Backend via APIs
- 2.5. Front-End State Management
 - 2.5.1. Redux and NgRx
 - 2.5.2. Shared State Management Between Components
 - 2.5.3. Data Persistence in the Frontend
- 2.6. Authentication and Authorization in Full-Stack Projects
 - 2.6.1. Implementation of User Login and Registration
 - 2.6.2. Front-End Route Protection
 - 2.6.3. Role and Permission Validation

- 2.7. Testing in Full Stack Projects
 - 2.7.1. Back-End and Front-End Unit Testing
 - 2.7.2. End-to-end Test Integration
 - 2.7.3. Test Automation with Modern Tools
- 2.8. Full-Stack Application Deployment
 - 2.8.1. Server Configuration for Deployment
 - 2.8.2. Use of Docker for Containers
 - 2.8.3. Deployment on Cloud Services such as AWS or Heroku
- 2.9. Performance Optimization
 - 2.9.1. Back-End and Front-End Caching
 - 2.9.2. Load Time Reduction
 - 2.9.3. Production Monitoring and Profiling
- 2.10. Full-Stack Theoretical Final Project
 - 2.10.1. Project Planning and Theoretical Design
 - 2.10.2. Theoretical Component Implementation
 - 2.10.3. Project Presentation and Documentation

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

Module 4. Advanced Software Architecture for Seniors

- 4.1. Advanced Software Architecture
 - 4.1.1. Software Architecture
 - 4.1.2. Scalability and Modularity
 - 4.1.3. Modern Architecture Examples
- 4.2. Scalable and Advanced Software Design
 - 4.2.1. Horizontal and Vertical Scalability
 - 4.2.2. Load Balancing Strategies
 - 4.2.3. Design Patterns for Distributed Systems





- 4.3. Advanced Architectural Models
 - 4.3.1. Monolithic Architecture: Advantages and Disadvantages
 - 4.3.2. Microservice-Based Architecture
 - 4.3.3. Serverless: Case Studies and Limitations
- 4.4. Advanced Design Patterns
 - 4.4.1. Structural Patterns: Adapter, Facade
 - 4.4.2. Behavior Patterns: Observer, Strategy
 - 4.4.3. Creational Patterns: Singleton, Factory
- 4.5. UML Diagrams and Advanced Modeling
 - 4.5.1. UML Diagrams
 - 4.5.2. Class and Sequence Diagrams
 - 4.5.3. Distributed System Modeling
- 4.6. Advanced Dependency Management
 - 4.6.1. Principles of Dependency Injection
 - 4.6.2. Use of Inversion of Control (IoC) Containers
 - 4.6.3. Examples with Modern Frameworks
- 4.7. Middleware and Messaging
 - 4.7.1. *Middleware*
 - 4.7.2. Integration Using Message Queues
 - 4.7.3. Tools: RabbitMQ, Kafka
- 4.8. Advanced Event-Driven Architectures
 - 4.8.1. Event-Driven
 - 4.8.2. Reactive System Design
 - 4.8.3. Advantages and Challenges
- 4.9. Security in Software Architecture
 - 4.9.1. Authentication and Authorization Strategies
 - 4.9.2. Protection Against Common Attacks: SQL injection, XSS
 - 4.9.3. Role and Permission Management
- 4.10. Case Studies of Real Architectures
 - 4.10.1. Analysis of Real Architectures
 - 4.10.2. Evaluation of Architectural Decisions
 - 4.10.3. Lessons Learned from Successful Projects

04

Teaching Objectives

This university program aims to provide a comprehensive and up-to-date approach to key trends and tools in the sector. Through structured learning, it seeks to foster critical thinking, analytical skills, and strategic decision-making. In addition, it promotes the practical application of knowledge, ensuring preparation geared toward solving real-world challenges. All of this allows students to develop highly sought-after skills, promoting a solid professional profile that is adaptable to a constantly evolving environment.



“

Explore the potential of artificial intelligence and learn how to incorporate it into your Applications to offer more personalized and efficient experiences”



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





Specific Objectives

Module 1. Cross-Platform Mobile Development for Seniors

- ♦ Set up development environments with Flutter and React Native
- ♦ Develop dynamic mobile interfaces with widgets in Flutter and components in React Native
- ♦ Implement state management with Provider, Riverpod, Redux, and Context API
- ♦ Optimize graphics, animations, and loading times in mobile applications

Module 2. Advanced Full-Stack Development for Seniors

- ♦ Set up full-Stack development environments with Node.js, MongoDB, and Express
- ♦ Develop RESTful servers and manage middleware in back-end applications
- ♦ Implement frontend with Angular or React and establish communication with APIs
- ♦ Manage application status using Redux or NgRx

Module 3. Cloud Computing for Seniors

- ♦ Differentiate between cloud service models 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

Module 4. Advanced Software Architecture for Seniors

- ♦ Identify the main design patterns used in modern distributed systems
- ♦ Determine the importance of scalability and modularity in advanced software development
- ♦ Apply dependency injection principles and the use of control inversion containers
- ♦ Explore messaging tools such as RabbitMQ and Kafka for system integration



You will develop skills in test automation, deployment, and monitoring of applications in production environments”

05

Career Opportunities

The rapid growth of digital transformation has driven demand for specialists in Cross-Platform Application Development and Cloud Technology. Companies across all sectors are looking for professionals capable of creating efficient, secure, and scalable solutions that optimize their processes and improve the user experience. Thanks to this program, you will have access to opportunities in areas such as software development, Cloud architecture, and digital infrastructure management. In addition, mastering these technologies opens the door to international projects and entrepreneurship in a constantly evolving sector with broad growth prospects.





“

Improve the user experience by designing intuitive and functional interfaces that enhance end-user interaction and satisfaction”

Graduate Profile

Advances in application development and cloud computing require professionals with advanced technical skills and a strategic vision of Technology. This program allows you to acquire a highly specialized profile, with the ability to design, implement, and manage Cross-Platform Solutions tailored to the needs of today's market. In addition, mastery of Cloud environments guarantees a competitive advantage in key sectors such as banking, e-commerce, and the technology industry. The combination of practical knowledge and an innovative approach makes graduates key players in the digital transformation of any organization.

Understand the software life cycle from conception to deployment, developing applications efficiently at every stage.

- ♦ **Problem-Solving:** Ability to identify, analyze, and solve technical challenges in application development and Cloud environments
- ♦ **Teamwork:** Ability to collaborate with professionals from various fields on software and Cloud technology projects
- ♦ **Technological Adaptability:** Ability to learn and apply new tools, programming languages, and methodologies in a constantly evolving environment
- ♦ **Critical Thinking:** Objective assessment of technological solutions to optimize processes, improve performance, and ensure application security



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

- 1. Cross-Platform Application Developer:** Design, program, and optimize applications that work on different operating systems and devices.
- 2. Software Engineer in Cloud Environments:** Create, implement, and manage cloud solutions, ensuring scalability and efficiency.
- 3. Cloud Solutions Architect:** Define the structure and configuration of cloud systems, ensuring their security and performance.
- 4. DevOps Specialist:** Automate software development and deployment processes, improving integration and continuous delivery.
- 5. Cloud Systems Administrator:** Monitor cloud infrastructure, optimizing resources and ensuring service availability.
- 6. Back-End Developer for Cloud Environments:** Build and maintain the logic and database of applications hosted in the cloud.
- 7. Technology Project Manager:** Leads development teams in the planning and execution of cloud-based digital solutions.
- 8. Digital Transformation Consultant:** Advises companies on the implementation of cloud technologies and digitization strategies.



You will apply agile methodologies and DevOps best practices for the continuous maintenance of cloud applications”

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.

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*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.

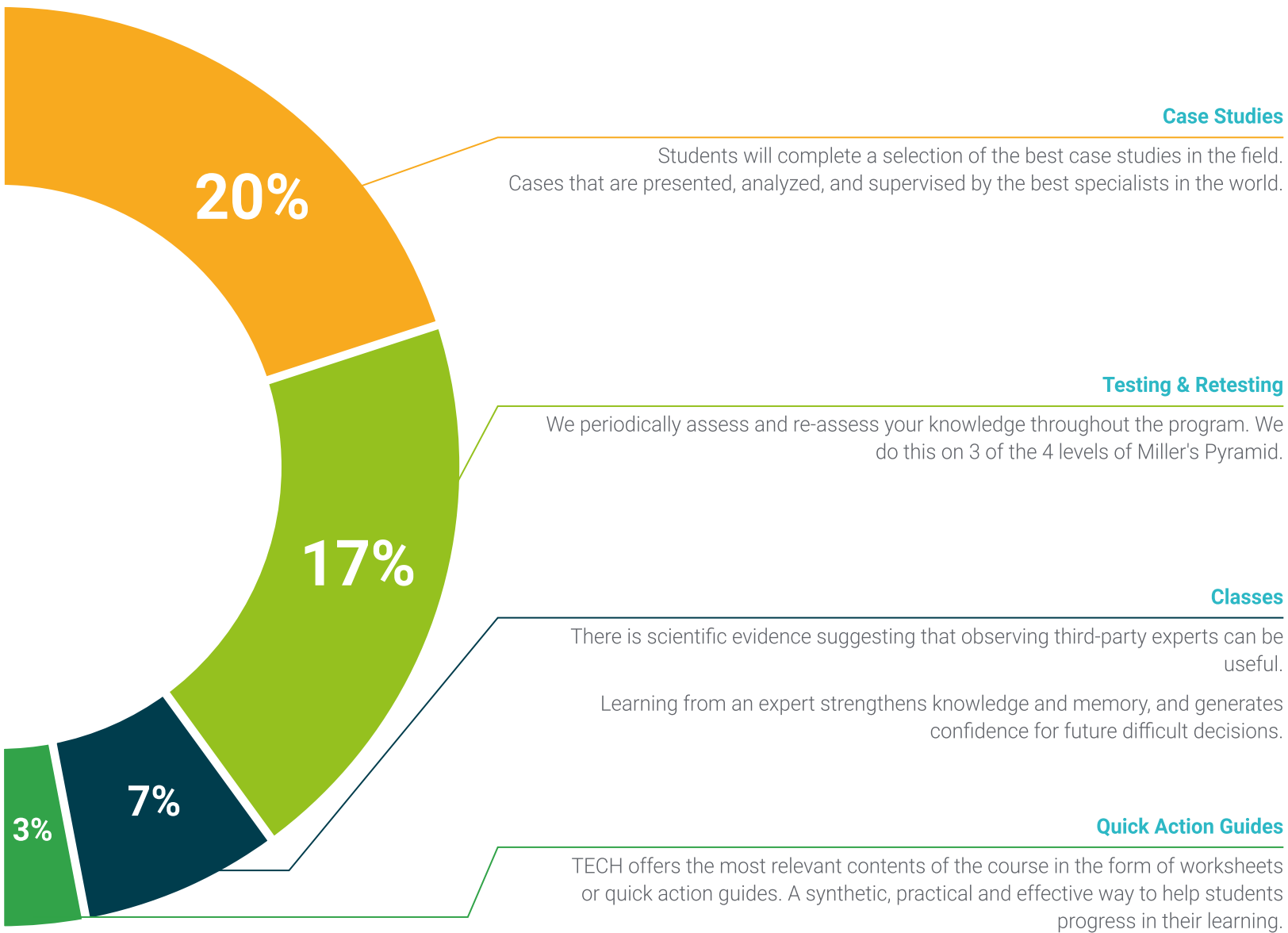
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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

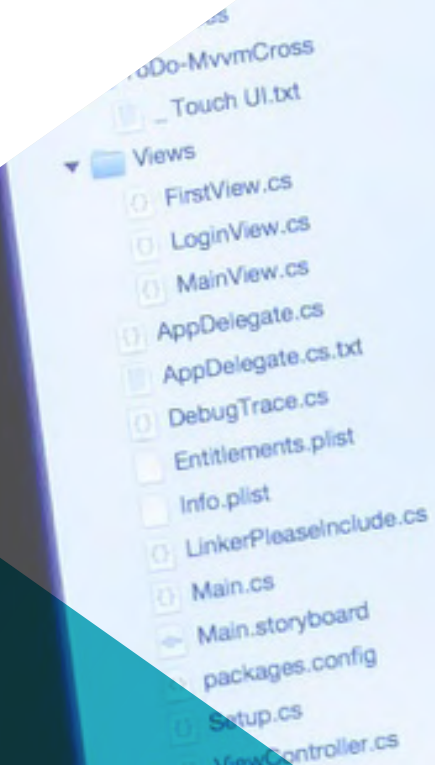




07

Teaching Staff

The teaching staff for this program is made up of active experts who combine a solid academic background with extensive experience in the technology sector. Thanks to their up-to-date knowledge of Cross-Platform application development and Cloud environments, they provide a practical vision that is aligned with market demands. In addition, their dynamic approach allows them to tackle current technological challenges from an innovative perspective. Through interactive methodologies and the use of real-world cases, teachers not only impart technical knowledge but also enhance key strategic skills to excel in an ever-evolving digital environment.



```
14  
15  
16  
17  
18  
19  
20  
21  
22  
private string _hello = "Hello MOFO";  
public string Hello  
{  
    get { return _hello; }  
    set { set _hello = value; RaisePrope  
}  
}  
Cirrious.MvvmCross.ViewModels.MvxN  
SetProperty
```



```
PropertyChanged(() => Hello); }  
NotifyPropertyChanged()  
  
protected bool  
SetProperty<T> (  
    ref T storage,  
    T value,  
    string propertyName = null  
)
```

“

You will have access to a Postgraduate Diploma created by renowned experts in Cross-Platform Application Development and Cloud Computing”

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. Pradilla Pórtoles, Adrián

- ♦ Head of IT at Open Sistemas
- ♦ Ruby on Rails Developer at Populate Tools
- ♦ Product Development at Global ideas4all
- ♦ Senior Systems Technician at FREMAP's Prevention Society
- ♦ Bootcamp in Tokenization by Tutellus
- ♦ Executive Master's Degree in Artificial Intelligence by the Artificial Intelligence Institute
- ♦ Postgraduate degree in Marketing and Advertising from the Antonio de Nebrija University
- ♦ Degree in Computer Engineering from the Antonio de Nebrija University
- ♦ Diploma in Technical Engineering in Computer Systems by Antonio de Nebrija University



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