

Postgraduate Certificate Salesforce Integrations





Postgraduate Certificate Salesforce Integrations

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

Website: www.techtitute.com/us/information-technology/postgraduate-certificate/salesforce-integrations

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01

Introduction

Salesforce Integrations are relevant for several key reasons that impact an organization's operational efficiency, customer experience and ability to take full advantage of this platform. Foremost among these reasons is that they enable data to be consolidated into a single, centralized platform, which facilitates accessibility and efficient management of information across the company. In turn, by obtaining accurate data from multiple sources, integrations allow work teams to make more informed and strategic decisions. In this scenario, TECH creates a university program that will deal with the types of synchronous integration that can be performed on the SOAP protocol. In addition, it is taught in a 100% online mode.



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With this Postgraduate Certificate, 100% online, you will obtain competences to solve integration problems and optimize their performance”

In a context where applications and systems must communicate with each other effectively, the SOAP API is a fundamental pillar in the development of enterprise web services. This communication protocol is useful for accessing and manipulating data in Salesforce from external applications. In addition, this tool can be used to automate business processes by creating integrations with external systems. For example, it can be used to mechanize data synchronization between Salesforce and a third-party accounting system. In this way, SOAP provides a secure way to interact with Salesforce and is widely used in a variety of development or integration scenarios.

In light of this, TECH is launching a revolutionary Postgraduate Certificate in Salesforce Integrations. The academic path will examine the various Connected APPS for users to access the platform's functionality in a secure way. Likewise, the syllabus will delve into Synchronous REST Integrations, which will allow graduates to transfer data synchronously between clients and servers. Along the same lines, the teaching materials will delve into event-based integration, using techniques such as the Platform Event Bus or Streaming API. Throughout the program, students will acquire technical skills to maintain integrations using cutting-edge tools such as Apex or Visualforce.

On the other hand, TECH offers a 100% online educational environment, adapted to the needs of professionals seeking to advance their careers while working. In line with this, it employs the Relearning methodology, based on the repetition of key concepts to fix knowledge in a fast and effective way. In addition, in the Virtual Campus students will find a complete library of multimedia resources in different formats, such as interactive summaries, explanatory videos and infographics. This will allow computer scientists to consolidate their knowledge in a dynamic way, thus enjoying an enjoyable learning experience.

This **Postgraduate Certificate in Salesforce Integrations** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Salesforce Programming
- ♦ The graphic, schematic and practical contents with which it is conceived provide complete and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



You will have the backing of the world's largest online academic institution, TECH with the latest educational technology at your disposal"

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You will delve into Connected Apps to authenticate Salesforce users and provide you with secure access to the external application”

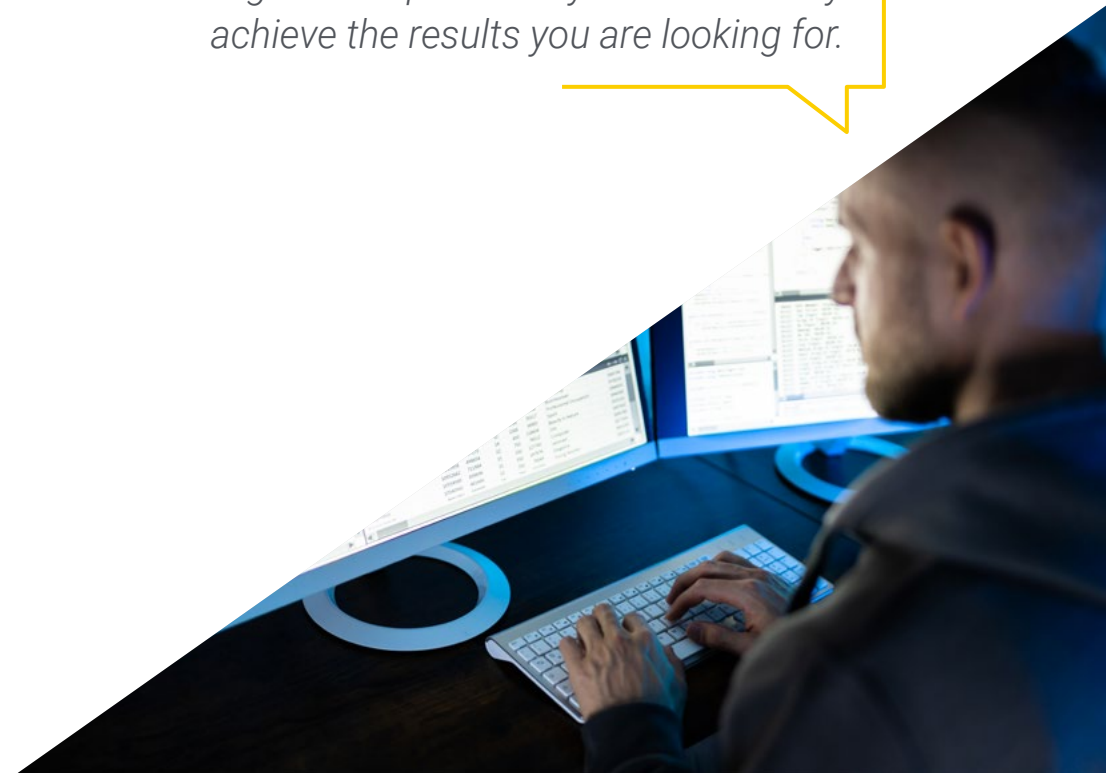
The program's teaching staff includes professionals from the sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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 immersive education programmed to prepare for real situations.

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

Do you want to get the most out of the API for data migration? Achieve it with this program in only 180 hours.

Thanks to the revolutionary Relearning methodology, you will integrate all the knowledge in an optimal way to successfully achieve the results you are looking for.



02 Objectives

Through this Postgraduate Certificate, IT professionals will have a solid understanding of Salesforce Integrations concepts. At the same time, they will master state-of-the-art technology tools such as SOAP API. Developers will also have the ability to analyze customer integration requirements and translate them into viable and efficient technical solutions. In addition, graduates will implement security measures to protect sensitive data and solve technical problems.





“

You will acquire skills in designing robust, scalable and business-compliant integration architectures”



General Objectives

- ♦ Analyze the different integration capabilities that Salesforce has to integrate into existing enterprise architectures
- ♦ Determine the different use cases that we can execute when integrating with Salesforce according to the type of API used
- ♦ Establish which are the patterns of information synchronization between Salesforce Organizations
- ♦ Address the integration patterns that can be used within Salesforce to suit the need of the moment



Optimize the performance of Salesforce Integrations to ensure fast response times and a smooth user experience”





Specific Objectives

- ◆ Specify the type of configuration we need to run on Salesforce to enable inbound integrations and narrow down its security policies
- ◆ Demonstrate how each of the existing API types work in the Salesforce platform
- ◆ Develop different case studies of exporting and importing data in bulk using the Bulk API in a massive way
- ◆ Present the different types of existing events and identify the type of information that is sent in each of them In turn, define how we can subscribe to the Salesforce platform's event bus to capture the events published in the channel we are interested in

03

Course Management

TECH's main objective is to provide first class academic experiences that contribute to improve the practice of its graduates. For this reason, it makes a great effort to form its teaching staff. For this Postgraduate Certificate, it brings together professionals in the field of Salesforce Integrations. These experts have a long career, where they have provided innovative solutions to prestigious organizations. In addition, they know all the advances that have occurred in this field of specialization. In this way, students have the guarantees they need to expand their knowledge and make a quality leap in their career.



“

You will consult your doubts directly with the teaching staff, resulting in a personalized tutoring to your own demands”

Management



Mr. Tovar Barranco, Iosu Igor

- ♦ Chief Architect at NTT Data Group
- ♦ Software Architect at Beeson Technologies
- ♦ Systems Administrator at Araldi
- ♦ .NET Developer at Gabinete de Gestión
- ♦ JAVA Programmer and J2EE Application Developer
- ♦ Senior Technician in Computer Applications Development at Centro de Estudios AEG
- ♦ Specialized in SOA Architectures
- ♦ Various certifications in Salesforce

Professors

Ms. Nebra García, Sandra

- ♦ Salesforce Expert Engineer at NTT Data
- ♦ Salesforce Lead Engineer at Private Security Company
- ♦ Salesforce Engineer in the Brewing Industry
- ♦ Salesforce Engineer in the Construction Industry
- ♦ Salesforce Engineer in the Food Industry
- ♦ Front-End Developer and Full-Stack Developer at Hiberus Tecnología
- ♦ Salesforce Certified Administrator
- ♦ Salesforce Certified Associate
- ♦ Degree in Industrial Technical Engineering with specialization in Industrial Electronics from the University of Zaragoza (EINA)

Ms. Grao Fernández, Ester

- ♦ IT Advisor to the Government of Aragon
- ♦ SOA/BPM Consultant at Avanttic
- ♦ J2EE Programmer at Grupo Acotelsa
- ♦ Master's Degree in Teaching Staff at Universitat Jaume I
- ♦ Computer Engineer at the Universitat Jaume I
- ♦ Technical Engineer in Computer Science Management at the University of Zaragoza

04

Structure and Content

This university program will address the different use cases that can be covered with the types of APIs that Salesforce provides to computer scientists. The curriculum will delve into the SOAP API, a communication protocol that allows developers to interact with data on the platform. The curriculum will look at Data Synchronization between Orgs with the goal of enabling graduates to ensure a consistent user experience across all areas of the organization. Materials will examine WSDL Metadata for developers to interact with metadata in a Salesforce organization programmatically.



“

A curriculum with which you will gain skills in developing custom Integrations using tools such as Apex”

Module 1. APIs and Integrations in Salesforce

- 1.1. Salesforce Integration
 - 1.1.1. Outbound Integrations from Salesforce
 - 1.1.2. Inbound Integrations to Salesforce
 - 1.1.3. Salesforce to Salesforce Integrations
 - 1.1.4. Salesforce API Libraries
- 1.2. External Services
 - 1.2.1. Open API Standard Specification
 - 1.2.2. External Credentials
 - 1.2.3. Named Credentials
- 1.3. Connected Apps
 - 1.3.1. Connected App
 - 1.3.2. Integration Scopes
 - 1.3.3. Integration Authorization and Identity Management
 - 1.3.4. Connected Apps Security Policies
- 1.4. SOAP API
 - 1.4.1. Enterprise WSDL
 - 1.4.2. Partner WSDL
 - 1.4.3. Apex WSDL
 - 1.4.4. Metadata WSDL
- 1.5. Synchronous REST Integrations
 - 1.5.1. REST API in Salesforce
 - 1.5.2. Connect REST API in Salesforce
 - 1.5.3. Document Management in Salesforce by API
- 1.6. API for Data Migration
 - 1.6.1. Bulk API
 - 1.6.2. Configuration and Execution of Bulk Data Migration by Bulk API
 - 1.6.3. Data Processing in Bulk Loads
 - 1.6.4. Bulk API 1.0 vs. Bulk API 2.0



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- A photograph of a desk setup. Two computer monitors are visible, both displaying code in a dark-themed editor. A laptop is partially visible in the foreground on the left. The desk is made of wood, and there are some sticky notes on it. The background is a blurred office environment.
- 1.7. Event-Driven Integration.
 - 1.7.1. Platform Event Bus
 - 1.7.2. Streaming API in Salesforce
 - 1.7.3. Pub/Sub API in Salesforce
 - 1.7.4. Change Data Capture
 - 1.7.5. Subscription to Events from External Systems with cometD Framework
 - 1.8. Integration for Configuration and Development
 - 1.8.1. Tooling API
 - 1.8.2. Metadata API
 - 1.8.3. Dynamic Org Management based on Tooling API
 - 1.9. Data Synchronization between Orgs
 - 1.9.1. Data Synchronization Patterns between Orgs
 - 1.9.2. Salesforce Connect with Cross-Org Adapter
 - 1.9.3. Open Data Protocol (oData)
 - 1.9.4. GraphQL with oData
 - 1.10. Integration Patterns
 - 1.10.1. Remote Process Invocation—Request and Reply
 - 1.10.2. Remote Process Invocation—Fire and Forget
 - 1.10.3. Batch Data Synchronization
 - 1.10.4. Remote Call-In
 - 1.10.5. UI Update Based on Data Changes
 - 1.10.6. Data Virtualization

“ You will have at your disposal a large amount of audiovisual support material, including interactive summaries, study guides and complementary readings. Enroll now!”

05 Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



“

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



A learning method that is different and innovative

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

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

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

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



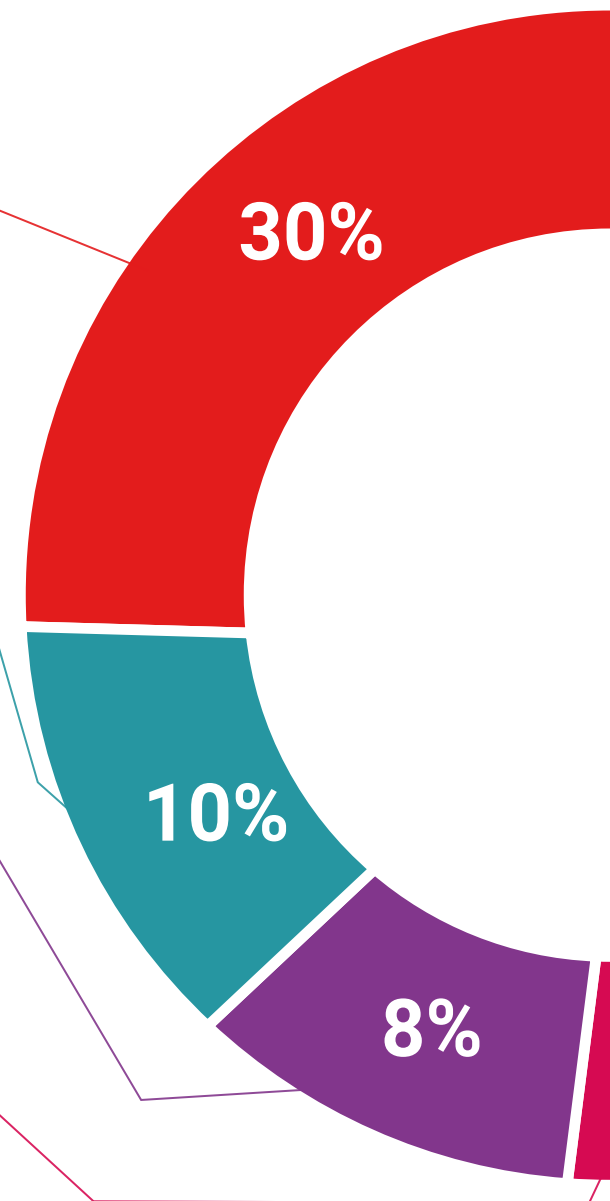
Practising Skills and Abilities

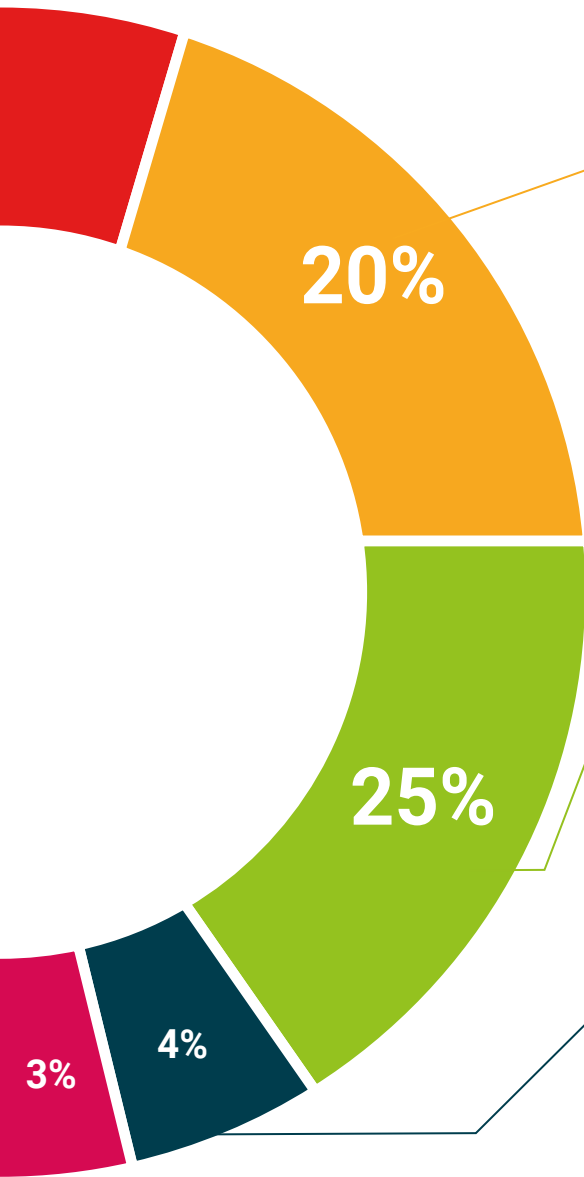
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



06 Certificate

The Postgraduate Certificate in Salesforce Integrations guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Salesforce Integrations** 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 Salesforce Integrations**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
development languages
classroom



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