

CHARTERED
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

CERTIFIED SUPPLY CHAIN ANALYTICS PROFESSIONAL™

CSCA™

Fully Accredited
By:

Chartered Institute of
Professional Certifications

CPD
Certification Service



PROGRAM OVERVIEW



This **Certified Supply Chain Analytics Professional (CSPA™)** program will teach you how to optimize your organization's supply chain by adopting **advanced data analytics innovations**. You will learn different types of **analytics models (including predictive and prescriptive analytics)** and how it can help you better **predict future demand and increase the accuracy in your supply chain planning**. With powerful best practices in real-time analytics, you will be able to identify **new supply chain risks** and build a strategic plan to counter these disruptions. In addition, you will learn how to apply continuous integrated planning and build a 360-degree real time supply chain analytics dashboard within your organization that will help you **improve your demand planning and forecasting while reducing excess inventories and overproduction**.

By the end of the program and upon passing the Chartered exam, you will have earned the **Certified Supply Chain Analytics Professional (CSPA™)** designation which you can use to demonstrate your professional credentials and track record in supply chain analytics.

Globally demanded and recognized, this designation is an industry-recognized trademarked charter developed by the **Chartered Institute of Professional Certifications** and has lifelong validity. It's also fully accredited by CIPD (Chartered Institute of Personnel and Development), with 160,000 membership organizations worldwide.

ACCREDITATIONS



4.6



KEY SKILLS YOU WILL GAIN

From This Program



YOUR FACULTY DIRECTOR



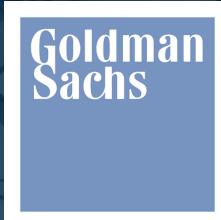
Eduardo Martinez Fonseca

Award Winning Author, Faculty Leader and Contributor

Eduardo Fonseca is a **Global Supply Chain Analytics Strategist and Senior Consultant** at a **FORTUNE 500** company. His extensive experience in driving the use of data, advanced analytics and new technologies in the supply chain has led him to work with many high-performing **FORTUNE 500** companies, both training and consulting. In his role as a business consultant, he has contributed his invaluable strategies to envision the future of data and technology in their supply chains framework. Eduardo is also a certified trainer by Dale Carnegie and a Senior Consultant in Supply Chain Analytics where he has advanced his program to help clients solve supply chain challenges with data-driven solutions.

OUR PARTICIPANTS

Over 70% of FORTUNE 500
Companies Have
Attended Our
Accredited
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Before



SAMSUNG



BURBERRY



VOLVO

HYUNDAI



Life is our life's work





PROGRAM AGENDA

MODULE 1 - WHAT IS SUPPLY CHAIN?

- Lesson 1.1 - Sandwich Example
- Lesson 1.2 - Introduction to Supply Chain
- Lesson 1.3 - Global Supply Chain Priorities
- Lesson 1.4 - Objectives of Supply Chain
- Lesson 1.5 - Drivers and Metrics of Supply Chain
- Lesson 1.6 - Elements of Supply Chain
- Lesson 1.7 - Digital Transformation in Supply Chain

MODULE 2 - WHAT IS DATA & ANALYTICS?

- Lesson 2.1 - Data, Analytics and the Enterprise
- Lesson 2.2 - Analytics Journey
- Lesson 2.3 - Goals and Role of Analytics
- Lesson 2.4 - Industry 4.0 and the Supply Chain
- Lesson 2.5 - Global Lighthouse Network

MODULE 3 - HARD & SOFT SKILLS

- Lesson 3.1 - Venn Diagram of Skills
- Lesson 3.2 - Hard Skills
- Lesson 3.3 - Soft Skills
- Lesson 3.4 - Project Life Cycle & Food Waste Warriors
- Lesson 3.5 - Waste Tool 1-5
- Lesson 3.6 - SCRUM
- Lesson 3.7 - Waste Tool 6-8

MODULE 4 - THE FOUR TYPES OF SUPPLY CHAIN ANALYTICS

- Lesson 4.1 - Types of Supply Chain Analytics & Their Application
- Lesson 4.2 - Descriptive Analytics
- Lesson 4.3 - Diagnostic Analytics
- Lesson 4.4 - Predictive Analytics
- Lesson 4.5 - Prescriptive Analytics

MODULE 5 - REAL-TIME ANALYTICS

- Lesson 5.1 - End2End Supply Chain Insights Model
- Lesson 5.2 - Real-time Analytics
- Lesson 5.3 - Data Management at Scale
- Lesson 5.4 - Big Data & the Data Evolution
- Lesson 5.5 - Cloud Computing
- Lesson 5.6 - Supply Chain SaaS: Kinaxis

MODULE 6 - TECH TOOLS RELEVANT TO SUPPLY CHAIN ANALYTICS TODAY

- Lesson 6.1 - Computational Thinking
- Lesson 6.2 - History of Programming Languages
- Lesson 6.3 - Use of Programming Languages in Supply Chain Analytics
- Lesson 6.4 - Process Mining



PROGRAM AGENDA

MODULE 7 - ADVANCED ANALYTICS

Lesson 7.1 - Environmental, Social and Governance Agenda

Lesson 7.2 - Types of AI

Lesson 7.3 - AI in the Supply Chain

Lesson 7.4 - Machine Learning Intro

Lesson 7.5 - Types of Machine Learning

Lesson 7.6 - Deep Learning

MODULE 8 - IMPACT OF SUPPLY CHAIN ANALYTICS ON THE ESG AGENDA

Lesson 8.1 - Environmental, Social and Governance Agenda

Lesson 8.2 - ESG Analytics

Lesson 8.3 - ESG Data Management

Lesson 8.4 - Intelligent Supply Chain Platform by IBM & Chemonics

Lesson 8.5 - Predictive Reforestation Platform by Deloitte & WWF

Lesson 8.6 - GreenToken by SAP

MODULE 9 - FORESEEABLE THREATS, CHALLENGES & OPPORTUNITIES

Lesson 9.1 - Data Privacy

Lesson 9.2 - AI Ethics

Lesson 9.3 - Machine Learning Challenges & Biases

Lesson 9.4 - Cyber Security Threats

Lesson 9.5 - The Race Human vs. Machines

Lesson 9.6 - eCommerce, Delivery Right Now!

MODULE 10 - THE FUTURE OF SUPPLY CHAIN ANALYTICS

Lesson 10.1 - Internet of Things

Lesson 10.2 - Digital Twins

Lesson 10.3 - Blockchain Technology

Lesson 10.4 - Augmented Reality & Virtual Reality

Lesson 10.5 - Quantum Computing

EXAMINATION

YOUR CHARTER DESIGNATION

By the vested power in the Board of Governors of Chartered Institute of Professional Certifications, the Advisory Board, Faculty and Curriculum Committee, do hereby certify

Juliana Silva

Has Been Conferred the Designation of

**Certified Supply Chain Analytics Professional™
CSCA™**

Has satisfied all the examination and experience requirements, and is duly admitted and licensed to use this charter, board certificate, and membership credentials

And has committed to abide by the membership declaration of ethics, rules of professional conduct and continuing education requirements as a member of Chartered Institute of Professional Certifications



Chair of the Board



Director

Chartered Institute of Professional Certification's programs are unique as they provide you with professional charter designation and mark that can be used across your lifetime once you have completed our programs.

After completing the program and passing the Chartered exam, you will be awarded the **Certified Supply Chain Analytics Professional (CSCA™)** designation that can be used in your resume, CV and other professional credentials. This designation is a global trademark and industry-recognized with lifelong validity.

Globally demanded and recognized, this designation will help you distinguish your supply chain analytics skillsets and demonstrate that you have attained expertise in **supply chain analytics**.

ABOUT US

49,525

Business Leaders Have
Attained Their Chartered
Certifications Since 2009

390

Certified and Fully
Accredited Programs

87%

Chartered Leaders Have
Reported Career Promotions
and Enhancements

Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charter and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.

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We Collaborate With
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Renowned Institutions



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UNIVERSITY OF PENNSYLVANIA



Stanford University



UNIVERSITY OF MICHIGAN



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OF ECONOMICS AND
POLITICAL SCIENCE



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School

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School

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We Thank You for Your Ongoing Support
of Our Programs

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