

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 (CSCA™)** 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 (CSCA™)** 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



4.8



4.6



KEY SKILLS YOU WILL GAIN

From This Program



**SUPPLY CHAIN ANALYTICS
SUPPLY CHAIN PLANNING
DATA-DRIVEN SUPPLY CHAIN
SUPPLY CHAIN OPTIMIZATION**

**SUPPLY CHAIN REAL TIME ANALYTICS
ADVANCED SUPPLY CHAIN ANALYTICS WITH AI
DATA SCIENCE FOR SUPPLY CHAIN FORECASTING
SUPPLY CHAIN DATA ANALYSIS**

**MACHINE LEARNING IN DEMAND PLANNING AND
FORECASTING
DISTRIBUTION AND LOGISTICS
SUPPLY CHAIN DATA VISUALIZATION**

**INVENTORY & WAREHOUSE MANAGEMENT
LOGISTICS PLANNING
SUPPLY CHAIN RISK MANAGEMENT
DIGITIZED SUPPLY CHAIN**

**SUPPLY CHAIN RISK MITIGATION
SUPPLY CHAIN VISUALIZATION DASHBOARD
INDUSTRY 4.0 ADOPTION**

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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IKEA

VOLVO

HYUNDAI

Pfizer

Life is our life's work

Nestlé

PROGRAM AGENDA

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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



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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



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 your 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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OF ECONOMICS AND
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Business
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CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

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