CERTIFIED SUPPLY CHAIN ANALYST



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Introduction

Supply chain analysts turn operational data into decisions on stock, capacity, suppliers, and service. They measure what the chain is doing, explain why it is doing it, and forecast what happens next. This Certified Supply Chain Analyst Training Course gives analysts, planners, and supply chain professionals a complete working method for that role. Participants learn data collection and validation, demand and inventory analysis, cost and network analysis, supplier performance measurement, dashboard design, and risk assessment. Furthermore, the course covers the analytical toolset, the reporting standards, and the judgement needed to present findings that management acts on.

Certified Supply Chain Analyst Course Objectives

- Identify supply chain data sources and assess data quality and completeness.
- Apply the SCOR framework to structure performance measurement across the chain.
- Build demand analysis with patterns, seasonality, and forecast accuracy measurement.
- Analyse inventory: ABC and XYZ segmentation, safety stock, and ageing.
- Conduct cost to serve and total cost analysis across the network.
- Measure supplier performance with scorecards and delivery and quality metrics.
- Apply network and logistics analysis for distribution and route decisions.
- Design dashboards with KPI hierarchies and exception reporting.
- Apply risk analysis to suppliers, capacity, and continuity exposure.
- Present findings with clear recommendations and evidence.

Course Methodology

- Facilitated sessions built on real supply chain datasets and system extracts.
- Hands-on labs in data preparation, analysis, and dashboard construction.
- Case workshops on demand volatility, inventory excess, and service failures.

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- Cost, network, and supplier analysis exercises using live data.
- Group exercise on an analytical report with findings and recommendations.

Who Should Take This Course

- Supply chain analysts and data analysts.
- Demand, supply, and inventory planners.
- Procurement analysts handling spend and supplier data.
- Logistics and distribution analysts.
- Business intelligence and reporting officers.
- Continuous improvement and operations support staff.

Certified Supply Chain Analyst Course Outlines

Day 1: Data Foundations and Analytical Framework

- Supply chain data types and their sources across ERP, WMS, and TMS.
- Data extraction, cleaning, and validation practice.
- Master data alignment: items, units, calendars, and hierarchies.
- Data quality dimensions and error sources.
- The SCOR framework: plan, source, make, deliver, return, and enable.
- Analytics types: descriptive, diagnostic, predictive, and prescriptive.
- Defining the analytical question before selecting the method.

Day 2: Demand and Inventory Analysis

- Demand pattern identification and segmentation.
- Seasonal indices, trend analysis, and deseasonalisation.

- Forecast accuracy measurement: MAD, MAPE, bias, and tracking signal.
- Forecast hierarchy and reconciliation practice.
- ABC and XYZ classification with service level logic.
- Safety stock analysis under demand and lead time variability.
- Ageing, slow-moving, and excess inventory analysis.

Day 3: Cost, Network, and Logistics Analysis

- Cost to serve and total cost analysis methods.
- Logistics cost structures and cost per unit moved.
- Network analysis: facility roles, lanes, and coverage.
- Mode and carrier cost comparison and freight auditing.
- Warehouse cost and productivity analysis.
- Landed cost modelling for imported and domestic supply.
- Scenario and sensitivity analysis for network decisions.

Day 4: Supplier, Quality, and Risk Analysis

- Supplier performance measurement and scorecard design.
- Delivery reliability, quality rate, and responsiveness metrics.
- Spend analysis and supplier concentration assessment.
- Quality data analysis and defect trend reporting.
- Supply risk analysis: single source, financial, and geopolitical exposure.
- Continuity analysis and buffer strategy evaluation.
- Contract compliance and service level performance tracking.

Day 5: Visualisation, Reporting, and Communication

- Dashboard design principles and KPI hierarchy.
- Exception reporting and alert design.
- Data storytelling: structure, evidence, and recommendations.
- Report standards and audit trail documentation.
- Automation of recurring analysis and refresh routines.
- Presenting findings to management and handling challenge.
- Building an analytical capability roadmap.

Conclusion

By successfully completing the Certified Supply Chain Analyst Training Course, participants will have acquired a thorough working knowledge of supply chain data management, demand and inventory analysis, cost and network analysis, supplier and risk measurement, dashboard design, and analytical communication. They will leave able to produce analysis that answers a real question, defend findings with evidence, and influence decisions on stock, suppliers, and service. Gentex Training Center delivers this programme with supply chain and analytics practitioners who run this work in live operations.

FAQs for the Certified Supply Chain Analyst course

Q1 What is the "Certified Supply Chain Analyst" course about?

It is a five-day programme on analysing supply chain performance and turning findings into recommendations. It covers data preparation, demand and inventory analysis, cost and network analysis, supplier and risk measurement, dashboard design, and reporting.

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Q2 What are the key benefits of the "Certified Supply Chain Analyst" course?

Participants produce analysis that answers a specific business question rather than a generic report, defend their numbers with validated data, and influence decisions on stock, cost, and suppliers. They also gain reporting routines that leadership can rely on every month.

Q3 What skills will I gain from the "Certified Supply Chain Analyst" course?

You will gain supply chain data collection and validation, demand and inventory analysis with accuracy measurement, cost, network, and supplier analysis, and dashboard design with analytical reporting and recommendation.

Q4 What tools, methods, or standards are covered in the "Certified Supply Chain Analyst" course?

The course works with the SCOR framework across plan, source, make, deliver and return, data extraction and validation from ERP, WMS and TMS systems, master data alignment standards, demand pattern analysis and seasonal indices, forecast accuracy measures including MAD, MAPE, bias and tracking signal, ABC and XYZ segmentation, safety stock models, ageing and obsolescence analysis, cost to serve modelling, freight cost and invoice audit analysis, network and lane analysis, landed cost modelling, supplier scorecards with delivery and quality metrics, spend and concentration analysis, supply risk registers, dashboard design with KPI hierarchies, and exception reporting.

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Q5 How is the "Certified Supply Chain Analyst" course applied in real-world practice?

Teams apply it when measuring forecast accuracy, analysing slow-moving stock across locations, building a cost to serve model, reviewing supplier delivery and quality performance, designing a supply chain dashboard, and preparing a monthly analytical report with recommendations.