



Certified Supply Chain Analyst (CSCA)

International Supply Chain Education Alliance (ISCEA) International Certification



About ISCEA

ISCEA's mission is to provide total supply chain knowledge to healthcare, manufacturing and service industry professionals through Education, Certification and Recognition.

The International Supply Chain Education Alliance (ISCEA) was the first organization certifying supply chain professionals around the globe, and it remains the worldwide authoritative resource for supply chain career development with thousands of certificate holders commanding top-tier salaries.

Tactical Focus

This program is designed to provide you the opportunity to demonstrate your mastery of the body of knowledge relating to the basics of the supply chain. Foundational topics, theories, decision aids, strategies, etc. will be presented in a clear and concise manner. Specifically, some of the topics presented are Sourcing, the role of inventory in the supply chain, MRP, and Transportation. Beyond these specific supply chain topics, related issues such as Team dynamics, Sustainability, Lean and continuous improvement tools, will be presented. A CSCA designation demonstrates your expertise.

Who should attend?

- Individuals new to the field of supply chain management.
- Individuals who meet customers or suppliers
- Individuals who impact the flow of materials or information.
- Anyone wanting an introduction to and better understanding of the principles of supply chain management
- Organizations with new employee orientation programs, or current employee developmental programs
- Individuals involved in, or anticipate being involved in, improvement initiatives such as creating a lean supply chain or ERP system.
- Individuals desiring to be recognized by their employer, and or sought by outside recruiters.
- The CSCA certification workshop is ideal for people in the supply chain profession who are dedicated to understanding their profession, dedicated to improving their field and advancing their career.

Learning Objectives:

- Gain in-depth knowledge of effective logistics and supply chain management practices and use them to improve your own operations.
- Explore the key aspects of supply chain management and discover the opportunities for improving efficiency and effectiveness
- Use supply chain analysis and examination of current operations to adopt a suitable supply chain strategy
- Create competitive advantage and eliminate internal and external barriers to adopt a more flexible supply chain

Methods of delivery

- Instructor led, by an ISCEA-recognized instructor in public, online workshop. There are 2 cohorts per annum
- In-house – at the company's premises, instructor led at agreed days and times. A minimum number of learners would be required

What is included in this workshop?

- 6 half days online workshop (24 hours) with experienced Supply Chain Practitioner
- 1 online exam included
- Re-take exam if required – for free
- Online study guide with all slides and exercises

Eligibility

No formal eligibility is needed but it would be an advantage if you did complete a program in Supply Chain management. Examples are:

- PPIM (Principles of Production & Inventory Management) or
- One or more of the APICS Principal series courses
- Similar industry qualifications or experience

About the CSCA program content

Divided into sixteen modules, the Learning System content is integrated with best practices in the day-to-day functions of supply chain management individuals.

<p>Module 1: Overview</p> <ul style="list-style-type: none">• What is a Supply Chain?• Flows in a Supply Chain• Examples of Supply Chains• The Objective of a Supply Chain• Linking Financial Measures to Supply Chain Operation Measures• Revenues and costs• Strategy• Model for Strategic Fit <p>Module 2: Strategy</p> <ul style="list-style-type: none">• Typical Functional Strategies• Responsive versus Efficient• Push/Pull Versions <p>Module 3: Framework for Discussion</p> <ul style="list-style-type: none">• Sources of Costs and Revenues• Drivers of Supply Chain Performance• Information, Funds, and Product• Basic Model Decision Issues <p>Module 4: Fundamental Issues</p> <ul style="list-style-type: none">• Demand Common Terms• Sales and Operations Planning• Forecasting• Supply Common Terms <p>Module 5: Aggregate Planning</p> <ul style="list-style-type: none">• Objective• Required Information• Strategies• Methods• Examples	<p>Module 6: Role of Inventory in the Supply Chain</p> <ul style="list-style-type: none">• Fundamental Issues• Inventory Types and Users• Categories• Functions and Costs• Performance Measures• ABC Analysis and Cycle Counting• Economic Ordering Quantity (EOQ)• Safety Stock <p>Module 7: Material Requirements Planning (MRP)</p> <ul style="list-style-type: none">• Basic Model• Inputs and Outputs• Gross and Net Requirements• MRP Management• Capacity Planning• Challenges <p>Module 8: Sourcing</p> <ul style="list-style-type: none">• General issues• The Role of Sourcing in a Supply Chain• Benefits• Supplier Scoring and Assessment• Supplier Selection and Contracts• Design Collaboration• The Procurement Process• Sourcing Planning and Analysis• Making Sourcing Decisions in Practice
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CSCA program content continued

Module 9: Purchasing

- Purchase Order
- Electronic Data Interchange (EDI)
- Flow and Technology

Module 10: Manufacturing

- Facility Layout Strategies
- Manufacturing Strategies
- Manufacturing Technologies Examples

Module 11: Transportation

- The role of transportation in the supply chain
- Modes of transportation and their performance characteristics
- Design options for a transportation network
- Trade-offs in transportation design
- Tailored transportation
- Making transportation decisions in practice

Module 12: Warehousing and Distribution

- Warehousing Activities
- Warehousing and Storage Facility Layouts
- Random Stocking
- Customizing
- Cross-Docking

Module 13: Sales Order Fulfillment

- MRP Input and Output
- Gross and Net Requirements
- MRP Management
- Legacy of Our Planning Processes
- Demand Driven Requirements Planning

Module 14: Lean and Continuous Improvement

Tools

- What is Lean?
- Characteristics of Lean
- Origins of Lean
- Tools & Techniques
- Fishbone, Scatter Diagrams, 5Why's, SPC, etc.
- What is Six Sigma?
- Six Sigma Project Team
- Define-Measure-Analyze-Improve-Control (DMAIC)

Module 15: Sustainability

- What is sustainability?
- Product life cycle considerations
- Utilize a systems view
- Goals for environmentally friendly designs
- Guidelines for Environmentally Friendly Designs
- Production process considerations
- Environmentally Friendly Production Processes
- Reduce, reuse, recycle

Module 16: Team Dynamics

- Organizational Structures
- Team Dynamics
- Customer-Supplier Relationships
- Manage Customer Relationships
- Practices for Dealing with Customers
- Collect Customer Information
- Understand Customer Needs
- Guiding Principles in Supplier Relationships
- Practices for dealing with customers

Assessment Criteria – Foundational Topics

Modules 1-5 - 35% - Questions

Modules 6-8 - 31% - Questions

Modules 9-16 - 34% - Questions

The Examination

Prior to the final exam, you are able to take a Practice exam. You could register for the final exam as soon as you are ready to take the final exam.

Exam Type	On-line Proctored Exam <u>Practice Exam</u>	On-Line Proctored Exam <u>Final Exam</u>
Duration	30 minutes	120 minutes
Number of Questions	25 Multiple Choice Questions	100 Multiple Choice Questions
Examination	Online from the USA	Online from the USA
Passing Criteria	Not Applied	70%
Schedule	Last day of the Workshop	Last day of the Workshop

1st Retake

For those professionals, who are unsuccessful in passing the exam on the 1st attempt, ISCEA offers the 1st Retake Free-of-Charge within 30 Days

Should you fail your free re-write, you would be liable for the cost in order to re-write the examination again

Certification Maintenance

In order to keep your CSCA designation you are required to maintain it. Certification maintenance cycles run in three-year intervals, commencing from the date of initial certification and ending the last day of the month that initial certificate was received (3 years later). The link to the Certification Maintenance is

<https://www.iscea.org/certification-renewal>

Please do not hesitate to contact me for any assistance or further questions.

Enjoy your day!

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