



# CISCOM

Certified In Supply Chain & Operations Management



**COURSE BROCHURE**

Program Features and Administration

[www.braso.org](http://www.braso.org)

# About CISCOM Training

A competitive supply chain must be aligned with business goals. CISCOM training aims at aligning the supply chain processes from beginning to end, and improving performance through the use of Lean, Six Sigma and Just-in-Time methodologies. Training includes the use of computerized supply chain simulation, which helps understand the correlation of the factors involved in decision making.

CISCOM is a comprehensive training program, combining the supply chain management and operations/logistics management in a single, integrated curriculum. The course follows the standard ADDIE methodology. It is administered and governed by the BRASI Program Advisory Council (PAC) in accordance with the ASTM Standard E-2659.

## CISCOM Learning Objectives

Upon completion of CISCOM training, the learner will be able to:

- Describe the basic elements and principles of supply chain management.
- Identify supply chain channels, and factors that affect supply chain performance, such as communication, complexity, and integration.
- Recognize various supply Chain planning processes, such as Sales and Operations Planning, Materials Requirement Planning and Capacity Requirements Planning.
- Perform calculations used in supply chain management such as Standard Deviation of Forecast Error, Safety Stock Requirement, On Time Shipping Metrics, Economic Order Quantity and Pipeline Inventory.
- Identify production strategies, for example, Chase and Level, Push and Pull.
- Perform calculations for costs related to production, for example, Cost of Goods Manufactured, Cost of Goods Sold and Contribution Margin.
- Describe the impact of supplier relationship Management on sustainable business operations.
- Identify inventory management principles and methods.
- Perform calculations related to inventory management, including First-in, First-Out, and ABC Classification.
- Identify various productivity improvement tools for specific purposes and situations, demonstrating their unique value, including Just In time, Lean and Six Sigma.



## CISCOM Certification Program's

- **Purpose:** To prepare candidates aspiring to work in a supply chain or logistics function, and enhance the knowledge and skills of people already employed in such functions, for example: Operations Planning, Purchasing, Manufacturing, Distribution, Customer service, Inventory Management and others.
- **Scope:** The CISCOM program covers job roles in supply chain, logistics and manufacturing operations, for example, Planner, Buyer, Logistics Manager, Warehouse Staff, Inventory Manager, Production Manager, Customer Service Associate and others.

## CISCOM Curriculum • 4 Modules, One Exam

CISCOM course covers supply chain and operations management body of knowledge (SCOMBOK) from beginning to end, followed by the exam.

### MODULE 1 PLANNING

Module 1 lays the conceptual foundation for further study of the subject matter. Topics include Competitive Strategy, Product Differentiation, SWOT Analysis, Planning Processes including Sales & Operations Planning, Master Scheduling, Rough-Cut Capacity Planning, Capacity Requirements Planning, Materials Requirements Planning, Distribution Requirements Planning, Inventory Planning and more.

### MODULE 2 ORGANIZING

Module 2 focuses on the structure of supply chain, and the relevance of various models to competitive strategy. Factors such as Complexity, Fragmentation, Interdependence and Channel Relationships are discussed, with respect to enhancing customer service while gaining cost efficiencies.

### MODULE 3 DELIVERING

Delivery is the net outcome of the entire supply chain's coordinated efforts, with the Customer Service function managing the customer experience. This module includes topics in Sales Forecasting, Distribution, Manufacturing, Procurement, Outsourcing and other supply chain processes.

### MODULE 4 GROWING

Profitable and consistent growth is the key to success. However, external and internal challenges can cause the focus to shift from long term sustainability to short-term expediencies. Focused leadership and effective use of productivity improvement methodologies can help achieve the desired results. Tools discussed in Module 4 include Lean, Six Sigma, Just-In-Time, Total Quality Management, Theory Of Constraints and other proven methodologies for continuous improvement.

- **Mode of Training:** Hybrid training combines instructor-led training with self-paced study, offering the flexibility and guided coaching for optimum results. Instructor-led sessions are conducted on weekends and evenings to accommodate work and study commitments.
- **Course Duration:** The course is presented over six months. The program allows the flexibility for individual students to complete sooner, or take up to three months additional time, based on individual preference and circumstance.
- **CISCOM Exam:** The CISCOM Exam is conducted online and is proctored. It comprises 120 multiple choice questions. Time allowed is three hours and the passing score is 70%.





# CISCOM Learning Resources

CISCOM Learning resources include the following:

1. Access to BRASI's online learning portal containing:
  - Skill Assessment Questionnaire.
  - CISCOM Student Guide, containing detailed program information, step by step instructions and course navigation.
  - Schedule of online sessions and joining instructions.
  - Module Handbooks – downloadable, print-ready PDF files.
  - Exercises and calculation templates.
  - Assignments.
  - A case study and solution template.
  - Glossary of Supply Chain and Logistics Terms.
  - Other support materials as needed from time to time.
  - Module Quizzes.
  - Cumulative Quiz to prepare for the exam.
  - CISCOM Exam.
2. Instructor-led interactive sessions to review the course material.
3. Role play exercise in a supply and demand environment.
4. Access to a computerized supply chain simulation tool, to enhance the learning experience by running a model supply chain and solve issues related to inventory, supply and cost in a life-like situation.
5. Individual help through messaging in the learning management and by email.



## INFERENCE ABOUT CISCOM CERTIFICATE HOLDERS

A CISCOM certificate holder is capable of developing the forecast of sales, calculate materials requirement, prepare production schedule, calculate safety stock requirement, calculate economic order quantity for purchasing or manufacturing, conduct cycle count of inventory, conduct process improvement studies including Lean, Six Sigma, Theory of Constraints and similar activities related to supply chain and operations management.

### CISCOM CERTIFICATE

CISCOM certificate is granted upon passing the CISCOM exam. Each certificate carries a unique ID and is valid for life. Certificate holders are authorized to use the designation CISCOM with their names.



### CONTACT US

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