

## CPIM Certification : Planning and Inventory Management

<b>Date and duration</b>
Training code : SUPC001EN Duration : 8 days Nombre d'heures : 56 heures
<b>Training with certification</b>
CPIM - Certified in Planning and Inventory Management (ASCM/APICS)
<b>Body</b>
<p>At the heart of every high-performing supply chain lies effective planning and inventory management. Optimizing stock levels, forecasting demand, and coordinating product flows are essential to minimize costs, maximize customer satisfaction, and ensure operational efficiency. Mastery of these areas enables organizations to respond swiftly to market fluctuations and stand out from the competition.</p> <p>Our 2025 CPIM certification training spans 8 days, split into two non-consecutive 4-day sessions, promoting better retention and practical application. This course covers the core pillars of operations and supply chain management, including inventory optimization, detailed production and distribution planning, quality integration, continuous improvement, and advanced technologies.</p> <p>Upon completion, you'll have the critical skills to succeed in the APICS CPIM certification exam.</p>
<b>Objectifs</b>
By the end of the CPIM 8.0 training, you will be able to:
<ul style="list-style-type: none"><li>Understand and apply core principles of supply chain management aligned with corporate strategy</li><li>Master the S&amp;OP process and its role in translating strategy into actionable plans</li><li>Develop advanced skills in demand planning and management</li><li>Plan and manage sourcing effectively, accounting for market constraints and opportunities</li><li>Optimize stock planning and management to balance cost, service level, and operational efficiency</li><li>Plan, manage, and execute detailed production and delivery schedules</li><li>Apply distribution planning principles to ensure effective product delivery</li><li>Integrate quality management, continuous improvement, and technology into supply chain management</li><li>Thoroughly prepare for the APICS CPIM certification exam</li></ul>
<b>Points forts</b>
<ul style="list-style-type: none"><li>Certified Expert Trainers: Learn from recognized supply chain professionals accredited by APICS</li><li>Targeted Exam Preparation: Master essential CPIM 2025 planning and inventory concepts directly aligned with the current exam</li><li>Official Self-Learning Platform: Access digital textbooks and tools for flexible study at your own pace</li><li>Official CPIM Exam Content Manual (ECM) included</li></ul>
<b>Certification</b>

This course prepares you for the APICS CPIM (Certified in Planning and Inventory Management) exam. A voucher code is provided at the end of the training to schedule your exam.

## **CPIM 2025 Exam Format :**

- Type: Multiple-choice questions
- Number of Questions: 150
- Duration: 3.5 hours
- Delivery: In-person at Pearson VUE centers or online via OnVue
- Language: English (some parts may be available in translated versions)
- Passing Score: 300 points

Validity: The CPIM 2025 certification is valid for 5 years. To maintain it, you must accumulate 75 Professional Development Points (PDPs) within this period.

Refer to the [APICS Exam Handbook](#) for details.

Modalités d'évaluation

Practical Work

Case study

Pré-requis

This course is intended for professionals with :

- Practical experience in supply chain roles (planning, inventory, procurement, logistics, or production)
- Basic understanding of key supply chain concepts (demand, supply, product flows, planning, etc.)

Public

- Supply chain professionals: Demand planners, supply planners, inventory managers, logistics managers, procurement officers, supply chain project managers
- Managers and supervisors overseeing logistics teams who want to validate and deepen their knowledge
- Supply chain consultants seeking recognized certification to boost credibility
- Anyone aiming to improve supply chain performance through optimized planning and inventory management and looking to earn the CPIM 8.0 certification

Programme

## **Session 1 - Fundamentals of Planning and Operational Management (4 days)**

### **Module 1: Aligning Supply Chain with Business Strategy**

- Supply chain fundamentals and strategic alignment
- Success factors (CSF) and performance indicators (KPI)
- Supply chain architectures and strategic models
- Financial impact of supply chain decisions
- Case Study: Strategic alignment analysis
- Exercise: Defining KPIs aligned with strategic goals

## **Module 2: Sales & Operations Planning (S&OP)**

- Strategic role of S&OP
- Key stages and objectives
- Roles and responsibilities in S&OP
- Forecasting techniques
- Balancing supply and demand
- Case Study: Impact of structured S&OP
- Exercise: S&OP meeting simulation

## **Module 3: Demand Planning and Management**

- Independent vs. dependent demand
- Qualitative and quantitative forecasting
- Improving forecast accuracy
- Collaboration with sales and customers
- Handling uncertainty and variability
- Case Study: Impact of poor forecasting
- Exercise: Forecasting technique on sample data

## **Module 4: Procurement Planning and Management**

- Procurement process and sourcing cycle
- Supplier selection and evaluation
- Supplier relationship management and negotiation
- Managing lead times and procurement risks
- Cost and quality implications
- Key concepts: Lead Time, TCO
- Case Study: Supplier risk strategy
- Exercise: TCO calculation across suppliers
- Forme

# **Session 2 - Optimization, Advanced Planning, and Certification Prep (4 days)**

## **Module 5: Inventory Planning and Management**

- Inventory types and functions
- Inventory cost components
- Stock management techniques (ABC, EOQ, reorder point)
- Safety stock and demand variability
- Inventory performance indicators
- Case Study: Inventory policy impact on service level
- Exercise: Reorder point and EOQ calculation

## **Module 6: Detailed Scheduling and Execution**

- Master Production Schedule (MPS)
- Material Requirements Planning (MRP)
- Capacity management and bottlenecks
- Production and delivery sequencing
- Plan execution tracking and adjustments
- Just-in-Time (JIT) and Lean planning
- Case Study: Bottleneck impact analysis

- Exercise: MPS creation for a product

## **Module 7: Distribution Planning and Management**

- Distribution networks and models
- Transportation modes and costs
- Warehousing and distribution center management
- Shipping and delivery planning
- Distribution cost management
- Reverse logistics and returns
- Case Study: Distribution network cost optimization
- Exercise: Transportation cost comparison

## **Module 8: Quality, Continuous Improvement, and Technology**

- Total Quality Management (TQM) in supply chain
- Continuous improvement tools (Lean, Six Sigma)
- Technology's role (ERP, WMS, TMS)
- Information systems integration
- Supply chain performance measurement
- Sustainability and social responsibility in supply chain
- Case Study: Lean implementation in a warehouse
- Exercise: Waste identification in a simulated process

## **Module 9: CPIM 8.0 Exam Preparation**

- Review of key concepts from all modules
- Tips and resources for exam success

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