



CERTIFIED IN PRODUCTION AND INVENTORY MANAGEMENT (CPIM)

Certification Exam Prep

Davenport University is proud to partner with the APICS Grand Rapids Chapter to offer the CPIM Exam Preparation programs. CPIM is recognized globally as the standard in production and inventory control, one of the most critical functions for reducing costs and achieving competitive advantage.

The Certified in Production and Inventory Management (CPIM) designation requires completion of CPIM Part 1 and 2, delivered in two separate sessions (and two exams). Our program uses the APICS CPIM Learning System with new CPIM-focused content, online learning tools, and practice questions to ensure you're prepared for the CPIM exams.

Why CPIM?

The APICS CPIM credential offers growth, advancement and recognition. On average, professionals with the CPIM credential earn 12% more than those without the credential. Employers know that CPIM designees have the proven knowledge and skills to strategically streamline operations. Becoming a CPIM proves your internal operations knowledge, competency and value to organizations looking for a competitive edge in today's global economy.

For professionals working in:

- Production and inventory management
- Operations
- Supply chain management
- Procurement
- Materials management
- Purchasing

After completing this two part program, you will:

- 1 Increase your functional knowledge of production and inventory management
- 2 Better maximize the ROI on the systems and technologies within your organization
- 3 Master the tools you need to effectively manage global supply chain activities
- 4 Gain knowledge to apply principles of ERP software to cover various critical functions within your organization
- 5 Earn customer satisfaction by delivering Lean/Just-in-Time products and services

CPIM Program Information

The Certified in Production and Inventory Management (CPIM) Part 1 and 2 are delivered in two separate sessions.

CPIM PART 1: START YOUR PATH TOWARD CPIM CERTIFICATION. (11 WEEKS)

MODULE 1: BASICS OF SUPPLY CHAIN MANAGEMENT

This module covers the basic concepts in managing the complete flow of materials in a supply chain from suppliers to customers. The course covers manufacturing, distribution, service and retail industries. This includes the fundamental relationships in the design, planning, execution, monitoring, and control that occur.

CPIM PART 2: COMPLETE YOUR CPIM PREPARATION JOURNEY. (13 WEEKS)

MODULE 1: STRATEGIC MANAGEMENT OF RESOURCES

Explore the relationship of existing and emerging processes and technologies related to manufacturing strategy and supply chain functions. Understand how market requirements and strategic position drive the resources and processes of an organization.

MODULE 2: MASTER PLANNING OF RESOURCES

Discover the four primary areas of demand management; forecasting, customer order servicing, distribution planning, and customer relationship management. Learn formal processes and controls related to sales and operations planning (S&OP) and master production scheduling (MPS). Develop realistic, achievable production plans and master schedules consistent with business objectives and resource constraints.

MODULE 3: DETAILED SCHEDULING AND PLANNING

Identify inventory planning factors such as lot-sizing, order review techniques, safety stock, and inventory accuracy related to order planning and scheduling. Define the critical inputs and outputs of manufacturing planning and control systems, while mastering Material Requirements Planning (MRP) and Capacity Requirements Planning (CRP) processes. Discover the strategic importance of procurement planning and supplier relationship development.

MODULE 4: EXECUTION AND CONTROL OF OPERATIONS

Gain principles and techniques necessary to execute, control, and manage operations and participate in design decisions. Learn how good plans are executed, and how to inform customers and suppliers about the status of services and products in process.



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