

APICS Certified in Production and Inventory Management (CPIM)

These courses provide training on optimizing inventory investment, delivering Just-in-Time products and services, streamlining operations through accurate forecasting, setting and achieving goals, managing all aspects of the supply chain, and maximizing ROI on systems and technologies. These courses are excellent preparation for employees seeking the APICS Certified in Production and Inventory Management designation.

Participant Profile

These courses are appropriate for professionals with experience in or academic knowledge of production and inventory management who would like to gain knowledge of standards and those who wish to review the important concepts in preparation for the APICS CPIM exams.

Course Descriptions

Basics of Supply Chain Management

This course covers concepts in managing the complete flow of materials in a supply chain and provides a complete overview of material flow from internal and external suppliers to and from an organization. After completing the course, participants will understand the role, objectives, and responsibilities of materials management; be able to describe basic forecasting principles and techniques; understand the functions of production planning and master scheduling; and describe the objectives of capacity management and how it relates to priority planning.

Three-day course

Master Planning of Resources

Sales and operations planning processes used to develop production plans and identify and assess internal and external demand and forecasting requirements are explored in this course. Participants will focus on producing achievable master schedules that are consistent with business objectives; be able to explain the master planning model and key planning elements; identify customer service policies, techniques for communicating with customers, and measurements of forecast accuracy; and understand the concept of multilevel master scheduling.

Three-day course

Detailed Scheduling and Planning

This course focuses on techniques for material and capacity scheduling and includes detailed descriptions of material requirements planning (MRP), capacity requirements planning (CRP), inventory management practices, and procurement and supplier planning. Participants will learn to identify types of inventory and their impact on the planning process; describe order review methodologies, safety-stock processes, and effects of inventory on investment; and understand the concepts essential for supplier partnerships and product development.

Three-day course

Execution and Control of Operations

This course focuses on the areas of prioritizing and sequencing work, executing work plans and implementing controls, reporting activity results, and providing feedback on performance. The course explains techniques for scheduling and controlling production processes, the execution of quality initiatives and continuous improvement plans, and the control and handling of inventories.

Three-day course

Strategic Management of Resources

In this course, participants will explore the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. The course addresses three main topics: aligning resources with the strategic plan, configuring and integrating operating processes to support the strategic plan, and implementing change.

Three-day course