



APICS Essential Skills for Planners 9 Sessions, 27 Hours

On-line, Instructor-Led, “Virtual Classroom” via ZOOM

Course Description

This course focuses on standard planning and control processes and systems used by Production & Inventory Control professionals in manufacturing companies, including Production and Material Planning & Control (MRP), Inventory Planning & Control, and Capacity Planning & Control (CRP). All terms and concepts taught in this course are based on the APICS Body of Knowledge.

Audience

This course is ideal for both new and experienced Planning employees (Production Control Supervisors, Production Planners, Material Planners, Capacity Planners, Planner/Buyers, Schedulers, Expeditors and Coordinators), and other P&IC associates who want to hone their job skills and gain practical knowledge in the field of Production Planning.

Prerequisites

If the course is online, each participant must have access to a computer (no shared computer with other participants) and a reliable internet connection. It is strongly recommended that students have a basic knowledge or some experience in Planning.

Topics and Course Content

Introduction to Manufacturing Management (FMM-2)

- Product and process choices
- Manufacturing strategy and development
- Manufacturing production methods

Product Structures (FMM-3)

- Structuring BOM's
- Importance of Bill of Material accuracy
- Routing and work center data

Material Planning MRP (FMM-4)

- Dependent and independent demand
- MRP inputs and outputs
- MRP mechanics

Managing with MRP (FMM-5)

- MRP explosion, netting and offsetting
- Working with MRP action messages
- MRP performance measurements

Capacity Management (FMM-7)

- Relationship between priority and capacity planning
- Capacity Requirements Planning (CRP)
- Managing over / underloads

Production Activity Control PAC (FMM-8)

- Linkage between PAC and planning system
- PAC scheduling and control activities
- PAC data management and feedback

Advanced Scheduling (FMM-9)

- MRP vs Lean scheduling (push vs pull)
- Resolving schedule conflicts
- Managing bottleneck work centers (Theory of Constraints)

Lean Production Management (FMM-10)

- The Lean production methodology
- Lean production in practice
- Lean Scheduling

Learning Goals and Results

Students will learn basic terms, concepts, systems, and best practices used by Planning professionals that can immediately be applied in performing their current job and/or used to prepare for a next level job opportunity. The terminology and concepts learned in this course will also aid students in preparing for the APICS Production & Inventory Management (CPIM) Certification exams.

Employment Training Panel (ETP) Cost: \$513.00 per employee*

Non-ETP COST: \$1,134.00 per employee

WHEN:

**Wednesdays
October 2, 2024 – December 4, 2024
No class November 27, 2024
4:00 pm to 7:00 pm**

WHERE:

**On-line, Remote
"Virtual Classroom"
Via Zoom**

**For more information or to register, please contact Jocey Hogan
at 661.362.5657 or jocey.hogan@canyons.edu**

*For employees of eligible employers. Employees are not considered registered until all paperwork is received, a participant fee, per trainee, has been paid to the Santa Clarita Community College District and the Employment Training Panel has determined eligibility. State subsidy is contingent upon the trainee completing all the Employment Training panel requirements. Please contact the Employee Training Institute, 661.362.5657, for details on eligibility requirements.

