



## Materials Planning and Forecasting

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Procurement

Supply Chain

Distribution

Time to Market

# Materials Planning and Forecasting

## Who should attend?

This course is designed for personal working in, alongside, or offering non-logistics support to materials management.

## Training Methodology:

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise
- Videos and General Discussions

## Certificate:

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration.

## Course Objectives:

**At the end of the course participants will be familiar with techniques by which materials and components can be moved through the manufacturing process at high velocity without compromising service, quality of financial objectives covering:**

- The essentials of material management
- The relationships between materials management and corporate strategy
- The key techniques supporting materials management

- Best practice in materials management
- Concepts of MRP, JIT and zero inventory
- Developing partnerships

## **Course Contents:**

### **Session 1: Materials Management as Part of Business Strategy**

- Overview of business planning process
- Business forecasting
- Sales and operations planning
- Demand management
- Overview of demand forecasting

### **Session 2: Supplier Management**

- Benefits of partnerships
- Limitations to supplier development
- Purchasing in a JIT environment

### **Session 3: Materials Planning System**

- Master production scheduling
- Bill of materials
- Lead times
- Rough cut capacity planning
- Materials requirements planning
- Capacity requirements planning

### **Session 4: Improving Supply Chain Flows**

- Visibility in the supply chain
- Reducing manufacturing inventories

- “Lean” manufacturing systems
- Financial systems to support “lean” manufacturing
- JIT

### **Session 5: Customer Linking**

- Visibility of customer data
- Vendor managed replenishment
- Customer managed replenishment

### **Session 6: improving Competitiveness**

- Time compression
- Mass customization
- Organizational requirements for improving materials
- Management Performance