

C_TS422: SAP S/4HANA Production Planning and Manufacturing (PP)

Plan and execute manufacturing in SAP S/4HANA, from master data and MRP to shop-floor orders and costing links.

DURATION

5 days · 40 hours

LEVEL

Intermediate

CURRICULUM

17 modules · 13 labs

DELIVERY

Live online, Onsite,
Corporate

Course overview

Production planning sits at the heart of every manufacturing business on SAP, and consultants and key users who understand the full plan-to-produce cycle are in steady demand across Indian manufacturing firms and SAP delivery centres. This five-day course walks through that cycle in SAP S/4HANA, with labs at every step.

The first two days build the foundation: the organisational structure for manufacturing, the MRP and work scheduling views of the material master, bills of material, work centres, routings and production versions. You will create and link this master data yourself so that later planning runs make sense.

Day three moves to planning: sales and operations planning concepts, demand management with planned independent requirements, planning strategies, and MRP Live on SAP HANA. You will read the stock/requirements list, evaluate exceptions and convert planned orders.

Days four and five cover execution and integration: the production order lifecycle from creation to settlement, confirmations and goods movements, capacity evaluation and levelling, an introduction to process orders and repetitive manufacturing, and how PP connects with materials management and controlling. The course closes with an exam readiness session.

This course is aligned to the SAP Certified Associate exam for production planning and manufacturing (base code C_TS422). Ace Skills is not an SAP partner and does not use official SAP courseware. SAP adds a release suffix to its exam codes and updates them regularly, so please confirm the current code and requirements on SAP Learning before booking.

Highlights

- 40 hours of live, trainer-led sessions
- Hands-on labs in an SAP S/4HANA training system
- BOMs, work centres, routings and production versions
- Demand management, MRP Live and planned order conversion
- Production orders, capacity planning and MM/CO integration
- Practice questions aligned to C_TS422 topic areas

What's included

- Access to an SAP S/4HANA training system for the course duration
- End-to-end plan-to-produce scenario built across the week
- Master data labs: BOMs, work centres, routings and production versions
- MRP Live runs with exception analysis
- Production order execution through to settlement
- Capacity planning and levelling exercises
- Practice questions with trainer review
- Course completion certificate from Ace Skills Consulting

Who this course is for

Who should attend

- Aspiring SAP PP consultants
- Production planners and manufacturing key users
- SAP MM or SD consultants extending into manufacturing
- ECC PP consultants moving to SAP S/4HANA
- Supply chain and operations graduates

Prerequisites

- Basic understanding of manufacturing or supply chain processes
- Comfort with business software
- Prior SAP navigation experience is helpful but not required

Detailed curriculum — 5 days, 40 hours, 17 modules, 13 hands-on labs

Day 1 Foundations and Organisational Structure

8 hours

1.1 SAP S/4HANA and manufacturing overview

- SAP S/4HANA architecture and simplifications
- Plan-to-produce process overview
- SAP Fiori launchpad and SAP GUI navigation
- Make-to-stock and make-to-order at a glance

LAB Navigate Fiori apps and SAP GUI transactions · 30 min

1.2 Organisational structure

- Company code, plant and storage location
- Production scheduling profiles
- MRP areas
- Assignment to sales and purchasing organisations

LAB Explore plant and MRP area settings · 35 min

1.3 Material master for production

- Material types and industry sectors
- Work scheduling view
- Safety stock and reorder point basics
- MRP 1–4 views
- Lot sizing and procurement types

LAB Create a finished good and components with MRP views · 50 min

Day 2 Bills of Material, Work Centres and Routings

8 hours

2.1 Bills of material

- BOM categories and usage
- Alternative and variant BOMs overview
- Engineering change management basics
- Item categories
- BOM explosion and where-used

LAB Build a multi-level BOM · 45 min

2.2 Work centres

- Work centre categories
- Formulas and standard value keys
- Capacities and available capacity
- Cost centre assignment and activity types

LAB Create work centres with capacity and costing data · 40 min

2.3 Routings and production versions

- Routing structure and operations
- Component allocation
- Production versions
- Control keys
- Scheduling data

LAB Create a routing and production version · 50 min

Day 3 Demand Management and MRP Live

8 hours

3.1 Sales and operations planning concepts

- Planning hierarchy overview
- Transferring plans to demand management
- Rough-cut planning

3.2 Demand management

- Planned independent requirements
- Consumption modes and periods
- Planning strategies (10, 20, 40 and others)
- Customer requirements

LAB Create planned independent requirements with strategy 40 · 40 min

3.3 MRP Live on SAP HANA

- MRP procedures and planning file
- Net requirements calculation and lot sizing
- Exception messages
- MRP Live run parameters
- Scheduling planned orders

LAB Run MRP Live and analyse the stock/requirements list · 60 min

3.4 Evaluating planning results

- Monitor Material Coverage app
- Purchase requisitions for external procurement
- Converting planned orders
- Firming and planning time fence

Day 4 Production Orders and Capacity Planning

8 hours

4.1 Production order lifecycle

- Order types and order type-dependent parameters
- Scheduling and availability checks
- Creation from planned orders
- Release and printing

LAB Create and release a production order · 40 min

4.2 Shop-floor execution

- Goods issue and backflushing
- Goods receipt for finished goods
- Confirmations
- Order status management

LAB Confirm operations and post goods movements · 45 min

4.3 Capacity planning

- Capacity requirements and evaluation
- Fiori capacity apps
- Capacity levelling and dispatching
- Finite and infinite scheduling

LAB Evaluate and level capacity at a bottleneck work centre · 45 min

Day 5 Process Industry, Repetitive Manufacturing, Integration and Exam Readiness

8 hours

5.1 Process orders basics

- Process industry concepts
- Process order execution overview
- Master recipes and resources
- Comparison with discrete manufacturing

5.2 Repetitive manufacturing introduction

- Repetitive manufacturing profiles
- Planning table overview
- Run schedule quantities
- Backflush confirmations

LAB Post a repetitive manufacturing backflush · 35 min

5.3 Integration with MM and CO

- Goods movements and valuation
- Order costs, WIP and variances
- Product cost planning link
- Settlement to stock

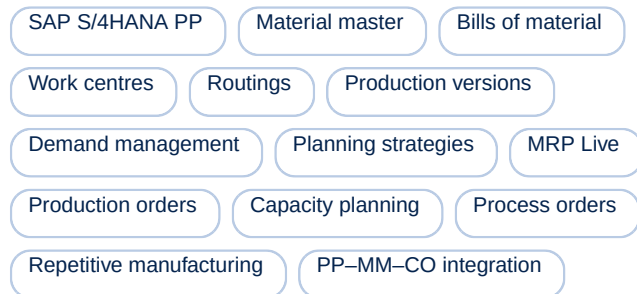
LAB Settle a production order and review variances · 40 min

5.4 Exam readiness

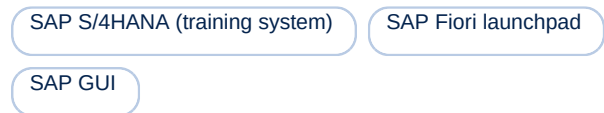
- Topic area review
- Practice questions with review
- Question styles

Skills and tools

Skills you will build



Tools used in class



Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam	SAP Certified Associate – SAP S/4HANA Production Planning and Manufacturing
Exam code	C_TS422
Official page	https://learning.sap.com/certifications

Exam skill areas covered

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Which exam code should I book?

SAP adds a release suffix to C_TS422 and updates it periodically. Check SAP Learning for the current code before you book; we cover the stable core topic areas.

Is this an official SAP course?

No. It is an independent Ace Skills course aligned to the C_TS422 exam topic areas.

Will I get system access?

Yes. You get access to an SAP S/4HANA training system for the duration of the course.

Do I need SAP experience?

No prior SAP experience is required, though a basic understanding of manufacturing processes helps.

Is configuration covered or only end-user steps?

Both. Key configuration settings are explained alongside the business transactions so you understand why the system behaves as it does.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/c-ts422-sap-s4hana-production-planning-pp · Email: info@aceskillsconsulting.com

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