

Training for Applications with Management Accounting in SAP S/4HANA

# **Courses Listed**

## Beginner

• S4H00 - SAP S/4HANA Overview

## Intermediate

- F0100 Overview of Financials in SAP S/4HANA
- S4F20 Business Processes in Management Accounting in SAP S/4HANA

# Advanced

- S4F07 Reporting for Finance in SAP S/4HANA
- S4F22 Cost Center and Internal Order Accounting in SAP S/4HANA
- S4F23 Product Cost Planning in SAP S/4HANA
- S4F25 Cost Object Controlling in SAP S/4HANA
- S4F28 Profit Center Accounting in SAP S/4HANA
- S4F29 Profitability Analysis in SAP S/4HANA
- TS4F03 Management Accounting in SAP S/4HANA Academy Part I
- TS4F04 Management Accounting in SAP S/4HANA Academy Part II

# **Certification Exam**

- C\_TS4CO\_2021 SAP Certified Associate SAP S/4HANA 2021 for Management Accounting
- C\_S4FCF\_2021 SAP Certified Associate Central Finance in SAP S/4HANA 2021
- P\_S4FIN\_2021 SAP Certified Professional Financials in SAP S/4HANA 2021 for SAP ERP Finance Experts

Last updated on: 03 Jan 2024

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# All available schedules in your selection

# P\_S4FIN\_2021 SAP Certified Professional - Financials in SAP S/4HANA 2021 for SAP ERP Finance Experts

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# C\_S4FCF\_2021 SAP Certified Associate - Central Finance in SAP S/4HANA 2021

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# C\_TS4CO\_2021 SAP Certified Associate - SAP S/4HANA 2021 for Management Accounting

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# S4F25 Cost Object Controlling in SAP S/4HANA



# S4F28 Profit Center Accounting in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# S4F29 Profitability Analysis in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# S4F23 Product Cost Planning in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# S4F22 Cost Center and Internal Order Accounting in SAP S/4HANA



# S4F07 Reporting for Finance in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# S4F20 Business Processes in Management Accounting in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# TS4F03 Management Accounting in SAP S/4HANA - Academy Part I

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

# TS4F04 Management Accounting in SAP S/4HANA Academy Part II



# F0100 Overview of Financials in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4H00 SAP S/4HANA Overview



# S4F25 - Cost Object Controlling in SAP S/4HANA

#### **Course announcements**

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as S4F25E.
- Participants of this course will gain an overview of the fundamental production scenarios and its integration to Cost Object Controlling with SAP S /4HANA. The business processes will be analyzed and discussed regarding to objects, master data, business processes within preliminary costing, simultaneous costing and period end closing.

#### Goals

- This course will prepare you to:
- This course will prepare you to perform and customize:
- Periodic and order-related Cost Object Controlling for make-to- stock manufacturing
- Cost object analysis at product and order level
- Scenarios of sales order controlling for make-to-order production and for service
- Knowledge of functions, customizing and integration of Cost Object Controlling

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User

## Essential

 Course Business Processes in Management Accounting in SAP S/4HANA (S4F20)

#### Course based on software release

• SAP S/4HANA 2021 SPS0

- Product cost by period for make to stock manufacturing using the product cost collector.
- Product cost by order for make to stock manufacturing at order level using production order and process order.

- Product cost by sales order for make to order manufacturing and service.
- Preliminary costing, simultaneous costing and period end closing for all production scenarios as named above.
- Variance analysis and results analysis.
- Using the standard reports in the information system



# S4F28 - Profit Center Accounting in SAP S/4HANA

#### **Course announcements**

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as S4F28E.
- Participants of this course will gain an overview of the fundamental business processes and tasks of profit center accounting with SAP S/4HANA.

## Goals

- This course will prepare you to:
- Describe and maintain global Profit Center Accounting settings and master data
- Understand the transaction data that is generated on Profit Centers from actual postings in other components of the SAP S/4HANA application

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User

## Essential

None

## Course based on software release

• SAP S/4HANA 2021 SPS0

## Content

- Profitability Management
- Outlining Profitability and Sales Accounting Options
- Outlining Global Settings in SAP General Ledger Accounting
- Profit Center Master Data
- Creating Profit Center Master Data
- Assigning Profit Centers to Account Assignment Objects

- Profit Center Accounting (PCA) Actual Postings
- Explaining Profit Center Updates
- Explaining the Data Flow in Financial Accounting
- Integrating Profit Centers and Materials Management (MM)
- Integrating Cost Object Controlling (COC) and PCA
- Integrating Sales and Distribution (SD) and PCA
- Processing Allocations in PCA
- Profit Center Planning
- Outlining the basic concept of Profit Center Planning with SAP BPC Optimized for SAP S/4HANA
- Transfer Pricing
- Overview of transfer price concept

## Notes

- The profit center derivation is explained as part of SAP General Ledger Accounting with document splitting activated.
- The focus of this training is on the Profitability Management, Profit Center Master Data and Actual Postings topics.
- This course describes the basic concept of Profit Center Planning in SAP S /4HANA. This course describes only the basic concept of Transfer Pricing without system demonstrations and exercises.



# S4F29 - Profitability Analysis in SAP S/4HANA

#### **Course announcements**

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as S4F29E.
- Participants of this course will learn to configure and use the fundamental business processes in Profitability Analysis in SAP S/4HANA, both Margin Analysis and CO-PA Costing-based. First, an analysis of the relations of organizational and data structures in SAP S/4 HANA (mainly Finance) is presented. Next, the focus is on master data with consideration of the alignment of characteristics in COPA in general and the valuations in COPA costing based. Furthermore, the actual postings and their corresponding line items in COPA will be explained, including an understanding of the system table views. The planning in Profitability Analysis will be introduced with manual planning in COPA and plan integration in COPA costing based. You will learn how to use the information system and to create ad hoc - and formbased reports.

#### Goals

- This course will prepare you to:
- Gain an overview of the design and structure of Profitability Analysis (COPA)
- Become familiar with the value flows to COPA
- Understand the planning methods and plan integration with COPA on availability
- Use the information system and learn how to create reports -> Use tools like summarization levels and realignment

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User

#### Essential

 Course Business Processes in Management Accounting in SAP S/4HANA (S4F20)

#### Course based on software release

• SAP S/4HANA 2021 SPS0

- Profitability management in SAP S/4 HANA, statement of direction
- Analyze organizational structures and master data in Profitability Analysis
- Perform Alignment in COPA and valuation in COPA costing based
- Actual posting within main business processes to COPA
- Perform planning and plan-integration using the valuation in COPA costing based
- Create reports in COPA costing based and Margin Analysis.
- Use tools to analyze customizing and value flows in COPA



# S4F23 - Product Cost Planning in SAP S/4HANA

#### **Course announcements**

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as S4F23E.
- Participants of this course will gain an overview of the fundamental business processes and tasks of product cost planning with SAP S/4HANA.

#### Goals

- This course will prepare you to:
- This course will prepare you to perform and customize:
- Product Cost Planning during the entire product life cycle.
- Analysis of the required master data and structures and integration within the SAP system.
- Use of the different calculation methods.
- Setting up the information system.

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User
- Program/Project Manager

## Essential

 Course Business Processes in Management Accounting in SAP S/4HANA (S4F20)

#### Course based on software release

• SAP S/4HANA 2021 SPS0

- Material cost estimate without quantity structure
- Preparation for Product Cost Planning
- Product Cost Planning Configuration

- · Material cost estimate with quantity structure
- Costing run (mass processing)
- Advanced cost estimate methods
- Extended valuation methods: mixed costing, raw material cost estimate, special procurement keys, scrap
- Joint product cost estimates
- Valuation Options



# S4F22 - Cost Center and Internal Order Accounting in SAP S/4HANA

#### **Course announcements**

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as S4F22E.
- Participants of this course will learn to configure and use the fundamental business processes and tasks of Cost Center and Internal Order Accounting with SAP S/4HANA. You will gain the mandatory foundation knowledge required in order to understand and configure business processes for SAP S /4HANA in the areas of cost center and internal order master data maintenance, understand the value flows within overhead cost controlling, use the cost allocation method and see how cost center and internal order planning is done using the Analysis for Office content offered in SAP BPC Optimized for SAP S/4HANA. Additionally you will get an introduction in the SAP Analytics Cloud Business Content for Cost Center Planning. Budgeting and Commitment on Cost Centers are also part of the training.
- You will practice various configurations in the system and verify the results in the application.

### Goals

- This course will prepare you to:
- Gain an overview of the design and structure of GL accounts of cost type and cost center accounting
- Become familiar with the value flows to and within overhead cost controlling in the SAP system
- Set up the cost allocation method for distribution and overhead cost controlling
- Configure master data, actual value flows, period-end closing activities for internal orders
- Get familiar with planning on cost centers and internal orders working with the delivered Analysis for Office planning content.
- Get an Introduction into the Cost Center Planning Content in SAP Analytics
  Cloud

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User
- Program/Project Manager

## Essential

 Course Business Processes in Management Accounting in SAP S/4HANA (S4F20)

## Course based on software release

• SAP S/4HANA 2021 SPS0

- Overview of SAP S/4HANA
- Organizational structures and master data in overhead cost controlling
- Account assignment of costs to cost centers and internal orders
- Tools for transaction-based postings within overhead cost controlling
- Periodic cost allocation procedures within overhead cost controlling



- Planning on cost centers and internal orders in Embedded BW of SAP S /4HANA
- Budget management and availability control with internal orders
- Budgeting on Cost Centers
- Commitments on Cost Centers
- Cost Center Planning Content in SAP Analytics Cloud



# S4F07 - Reporting for Finance in SAP S/4HANA

### **Course announcements**

 The course provides an overview and a detailed hands-on to the Embedded Analytics reporting tools in SAP S/4HANA. It describes the main components of the new reporting architecture and shows the necessary tools to set up the different kinds of reports. It also explains the benefits and use case of the different reporting tools.

#### Goals

- This course will prepare you to:
- Get an understanding of the basic concepts of SAP S/4HANA Analytics
- Get an introduction to the Virtual Data Model which is the basis for Reporting in SAP S/4HANA
- Get insight into the SAP S/4HANA Extensibility Tools
- Have a deeper understanding of the necessary SAP Fiori UI structures for Reporting
- Use the tools for SAP S/4HANA UIs

#### Audience

- Application Consultant with technical focus
- Application Administrator
- Support Consultant

## Essential

- Business Knowledge in SAP S/4HANA from a technical Perspective
- Controlling or Financials Application Knowledge in SAP S/4HANA

## Course based on software release

• SAP S/4HANA 2021 SPS0

## Content

- Embedding Embedded Analytics in the Reporting framework of SAP S/4HANA
- The Virtual Data Model (VDM)

- CDS View Types
- Analytical Queries
- Semantic Tagging
- Time-Dependent Global Hierarchies
- Using the Manage Date Functions
- Multidimensional Reporting Analytical Queries on Web Dynpro Tiles
- SAC Stories on SAP Fiori Launchpad Tiles
- Custom CDS Views and Custom Views and Logic
- Custom Analytical Queries
- The Manage KPIs and Reports App
- The View Browser
- The Query Browser
- Optional: The Analysis Path Framework (APF)

## Notes

- S4F07 is a technical training class and focuses on the concepts and set-up of SAP S/4HANA Embedded Analytics.
- S4H400 'SAP S/4HANA Embedded Analytics Foundation' also is about Embedded Analytics Reporting but S4F07 is Financial-focused. The demo and exercise scenario refer to Controlling in S/4HANA. The tools shown and the depth of information in both classes is the same!



# S4F20 - Business Processes in Management Accounting in SAP S/4HANA

#### **Course announcements**

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as S4F20E.
- Participants of this course will gain an overview of the fundamental business processes and tasks of Management Accounting with the SAP S/4HANA application.
- You will learn how SAP S/4HANA covers the Management Accounting related business requirements and how the fundamental business processes and tasks are executed in the system. Organizational Units, Master Data Management, Logistics Integration, Planning, Analytics, Daily Postings and Period End Closing are all discussed in this course.
- Especially if you are new to Management Accounting in SAP S/4HANA, this course is the right starting point for you. If you plan to take the academy and certification for Management Accounting, this course will help you to better digest the certification courses. For the actual certification, it is recommended, but not mandatory.

#### Goals

- This course will prepare you to:
- Outline business concepts and methods involved in Management Accounting in the SAP S/4HANA Enterprise Management
- Perform planning in Integrated Business Planning for Finance and outline Integrated Planning in Management Accounting
- Perform daily postings in Management Accounting and make use of System Integration
- Carry out Period End Closing in Overhead Management Accounting, Product Cost Controlling and Profitability Analysis

#### Audience

Application Consultant

- Business Analyst
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Program/Project Manager

#### Essential

Management Accounting Process Knowledge

#### Course based on software release

• SAP S/4HANA 2021 SPS0

- Overview of SAP S/4HANA
- Outlining the Motivation for SAP HANA and SAP S/4HANA
- Providing an Overview of the SAP S/4HANA Products and Adoption Strategies
- Using the SAP Fiori Front-End
- Management Accounting Overview
- Comparing Financial Accounting and Management Accounting
- Defining specific tasks of Management Accounting components
- Organizational Units and Master Data in Management Accounting
- Identifying Organizational Units used in Management Accounting
- Maintaining Master Data in Overhead Management Accounting
- Maintaining Additional Master Data in Overhead Management Accounting



- Analytics in Management Accounting
- Overview of Reporting Tools in Management Accounting
- Using Report Painter Reports
- Using Basic SAP Fiori Reports
- Using Drilldown Reports
- Planning in Management Accounting
- Organizing Planning and Cost Allocation
- Identifying Planning Options
- Reconcile and Optimize Planning
- Integrated Planning Process in Management Accounting
- Integrating Profitability Analysis, Sales Operations Planning and Activity Planning
- Identifying the Material Cost Estimate
- Identifying the Integrated Planning for Profit Center Accounting in New GL
- Using the TEMPLATE for Cost Planning
- Characteristics of Accounting Logic Integration
- Identifying Postings from Other Applications
- Posting from Financial Accounting
- Postings from Material Management
- Actual and Statistical Actual Postings



- Daily Postings in Management Accounting
- Posting Actual Costs in Overhead Management Accounting
- Budgeting Internal Orders and Using Execution Services
- Analyzing Cost Object Controlling Scenarios
- Creating and Analyzing Postings in a Make-to-Stock Environment
- Creating and Analyzing Postings for Selling Make-to-Stock Goods
- Creating and Analyzing Postings for Selling Services
- Period-End Closing for Management Accounting
- Performing Period-End Closing in Overhead Management Accounting
- Analyzing Variances in Cost Center Accounting
- Performing Period-End Closing in Cost Object Controlling
- Managing Profit Analysis in Management Accounting



# TS4F03 - Management Accounting in SAP S/4HANA - Academy Part I

#### **Course announcements**

- The Management Accounting in SAP S/4HANA academy is aimed toward new consultants who want to obtain a broad and deep knowledge of Management Accounting in SAP S/4HANA and prove this by attaining certification.
- This academy consists of two parts you are now looking at part 1. Participants of this Academy (part 1) will gain an overview of the fundamental business processes and configuration of core components of Management Accounting with SAP S/4HANA. Cost Center and Internal Order Accounting, Product Cost Planning and Profit Center Accounting.
- Integration is all discussed in this academy.

#### Goals

- This course will prepare you to:
- Become familiar with the configuration and usage of Global Settings
- for Management Accounting, Cost Center Accounting, Internal Order Accounting,
- Product Cost Planning, and Profit Center Accounting.

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User

#### Essential

• Accounting Knowledge

#### Course based on software release

SAP S/4HANA 2021

- 1st week
- Organizational structures and master data in overhead cost controlling
- Event-based postings to cost centers and internal orders
- Periodic cost allocation and activity allocation procedures within overhead cost controlling
- · Planning of cost and cost allocations within overhead cost controlling
- Internal order overview and master data
- Event-based postings to internal orders
- · Period-end closing of the internal orders
- Planning on cost centers and internal orders
- Budgeting and availability control on cost centers and internal orders
- New commitment management solutions on cost centers



- 2nd week
- Profitability management
- Profit center master data
- Actual postings to profit centers
- Profit center planning
- Transfer pricing concept
- Product cost planning methods
- Product cost planning basics
- Material cost estimate without quantity structure
- Product cost planning configuration
- Material cost estimate with quantity structure
- Additional costing functions
- Extended valuation methods: mixed cost estimate, using special procurement types, costing subcontracting operations, calculation scrap, costing product with multiple variants, costing co-products, describe material ledger.



# TS4F04 - Management Accounting in SAP S/4HANA Academy Part II

## **Course announcements**

- The Management Accounting in SAP S/4HANA academy is aimed towards new consultants who want to obtain a broad and deep knowledge of Management Accounting in SAP S/4HANA and prove this by attaining certification. This academy consists of two parts – you are now looking at part 2.
- Participants of this Academy (part 2) will gain an overview of the fundamental business processes and configuration of core components of Management Accounting with SAP S/4HANA. Product Cost Controlling and Profitability Analysis and their integration are discussed in this academy.

#### Goals

- This course will prepare you to:
- Become familiar with the configuration and usage of Global Settings for Management Accounting, Product Cost Controlling, and Profitability Analysis.

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User

#### Essential

• TS4F03 Management Accounting in SAP S/4HANA – Academy

## Course based on software release

• SAP S/4HANA 2021

#### Content

- Product cost by period for make to stock manufacturing using the product cost collector.
- Product cost by order for make to stock manufacturing at order level using production order and process order.
- Product cost by sales order for make to order manufacturing and service.

- Preliminary costing, simultaneous costing and period end closing for all production scenarios as named above.
- Variance analysis and results analysis.
- Profitability management in SAP S/4 HANA
- Analyze organizational structures and master data in Profitability Analysis
- Perform Alignment in COPA and valuation in COPA
- Actual posting within main business processes to COPA
- · Perform planning and plan-integration using the valuation in COPA
- Create reports in COPA
- Use tools to analyze customizing and value flows in COPA

# 27 April 2024 (00:49 BST)



# F0100 - Overview of Financials in SAP S/4HANA

#### **Course announcements**

 In this course the participants will gain an overview of the capabilities of SAP S /4HANA regarding the financial business processes. For each business area, major business concepts are introduced in theory and practice.

#### Goals

- This course will prepare you to:
- Identify the key functional areas of SAP S/4HANA Finance
- Describe the capabilities of SAP S/4HANA Finance using selected business processes
- Understand integration aspects between Finance and Management Accounting, Financial Operations and Treasury Management
- Understand the concept of SAP FIORI in the context of SAP S/4HANA Finance

#### Audience

- Application Consultant
- Business Analyst
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Enterprise Architect
- Executive
- Program/Project Manager

## Essential

· General knowledge of business processes in financial management

## Course based on software release

• SAP S/4HANA 2021 FPS0

- Introduction to SAP S/4HANA Finance
- Explain the SAP S/4HANA Finance Solution
- Use SAP Fiori
- Explain Core SAP Financial Concepts
- Accounting and Financial Close
- Managing General Ledger Master Data
- Perform Daily Processes in General Ledger Accounting
- Perform Processes in Asset Accounting
- Financial Operations
- Maintain Business Partners
- Perform Daily Processes in Accounts Payable
- Explain the Integration between Materials Management and Accounts Payable
- Perform Daily Processes in Accounts Receivable
- Explain the Integration between Sales and Accounts Receivable
- Cost Management and Profitability Analysis
- Maintain Overhead Controlling Master Records
- Perform Processes in Management Accounting
- Explain the basic concept of Product Costing
- Describe the Solutions for Profitability and Sales Accounting
- Treasury Management
- Managing Bank Accounts
- Performing Processes in Treasury and Risk Management



# S4H00 - SAP S/4HANA Overview

#### **Course announcements**

• This course provides an overview of SAP S/4HANA for learners who do not yet have any SAP background knowledge and want to build SAP S/4HANA skills. The course is recommended as an entry point to the SAP S/4HANA curriculum and provides the basics required before continuing a learning path to specific areas of interest. This course covers a broad range of topics focusing on SAP S/4HANA solution capabilities and business process aspects. The content is also available in a self-paced e- learning format (S4HO0e) which requires an active subscription to the SAP Learning Hub.

#### Goals

- This course will prepare you to:
- Explain how SAP S/4HANA supports the digital transformation
- Navigate in SAP S/4HANA using SAP Fiori UX and other client technologies
- Describe system-wide concepts such as organizational elements or master data
- Describe key business processes of SAP S/4HANA Enterprise Management and SAP S/4HANA LoB solutions
- Describe integration scenarios between SAP S/4HANA and SAP Cloud Solutions
- Use SAP S/4HANA embedded analytics capabilities
- Gain basic knowledge about SAP Activate to accelerate the SAP S/4HANA adoption

#### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User
- Change Manager
- Enterprise Architect
- Program/Project Manager

- Solution Architect
- Trainer
- User

## Essential

• n/a

### Course based on software release

• SAP S/4HANA 2022

#### Content

- SAP S/4HANA Overview
- Navigation
- System-Wide Concepts
- Logistics
- Accounting
- Human Capital Management and SAP SuccessFactors
- Embedded analytics
- SAP Activate and Best Practices
- SAP Services

## Notes

• This course is the recommended entry point to the SAP S/4HANA curriculum for learners without an SAP ERP background knowledge. It focuses on SAP S /4HANA Cloud, private edition and on-premise deployments.



# P\_S4FIN\_2021 - SAP Certified Professional - Financials in SAP S/4HANA 2021 for SAP ERP Finance Experts

Description

Number of questions

## Notes

- To ensure success, SAP recommends combining education courses and hands-on experience to prepare for your certification exam as questions will test your ability to apply the knowledge you have gained in training.
- You are not allowed to use any reference materials during the certification test (no access to online documentation or to any SAP system).

Duration



# C\_S4FCF\_2021 - SAP Certified Associate - Central Finance in SAP S/4HANA 2021

Description

Number of questions

## Notes

- To ensure success, SAP recommends combining education courses and hands-on experience to prepare for your certification exam as questions will test your ability to apply the knowledge you have gained in training.
- You are not allowed to use any reference materials during the certification test (no access to online documentation or to any SAP system).

### Duration



# C\_TS4CO\_2021 - SAP Certified Associate - SAP S/4HANA 2021 for Management Accounting

Description

Number of questions

### Notes

- To ensure success, SAP recommends combining education courses and hands-on experience to prepare for your certification exam as questions will test your ability to apply the knowledge you have gained in training.
- You are not allowed to use any reference materials during the certification test (no access to online documentation or to any SAP system).

### Duration



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