

# SAP ONLINE PROGRAMS EXCLUSIVELY FOR STUDENTS & APPRENTICES

- » **100 % ONLINE & FLEXIBLE**
- » **TUTOR SUPPORT**
- » **UNIVERSITY CERTIFICATE**
- » **SAP CONSULTANT CERTIFICATE**

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## MOTIVATION

In order to start a successful career after many years at school and university, SAP-skills have become an indispensable factor. Understanding SAP software and the ability to work with it is vital in many areas of the job market. For many positions today such skills are mandatory. When this is not the case, applicants can still be sure to enhance their chances to be accepted for a job when they can prove that they already bring SAP-skills from their time at university.



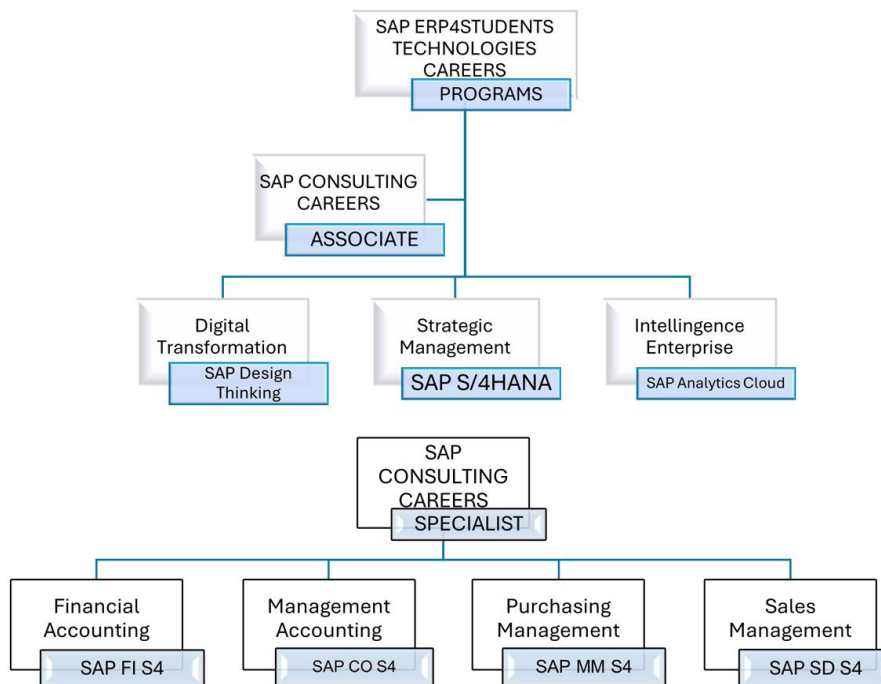
Since its foundation in 1972, SAP SE, based in Walldorf, Germany has become Europe's largest software developer. In the field of enterprise software, SAP is the world's market leader. More than 300,000 customers worldwide make use of SAP products in order to execute their business processes (e.g. controlling, sales, production, logistics, human resources, marketing etc.). Customers are mid-size business up to most of the big concerns noted at the stock market.

Enterprise Resource Planning (ERP), or the follow-up system SAP S/4HANA respectively, is the standard software all businesses need to run their business processes. In this field SAP ERP and SAP S/4HANA are the most prevalent products in the world! They cover all of the processes mentioned above and, thus, are used in many different divisions of a company. Additionally, products such as SAP BW (Business Warehouse), SAP FI (Financial Accounting) and many more are specially tailored for certain business areas. SAP BW, e. g., provides a powerful tool to analyse company data and thus helps to make important decisions. In order to adjust SAP products to a company's structure it can be customized exactly according to the respective needs. The possibilities are endless.

With the growing number of SAP customers, the need for young professionals with SAP-skills increases – no matter in which area. SAP is, for example, used by logistic companies, the telecommunication sector, automotive companies, as well as banks and the retail sector. No matter which area and position you prefer, SAP-skills are needed – and evermore often expected – in almost any of them. Thus, having a basic understanding of SAP is a great asset to any application. Additional specialisations in certain SAP areas such as SAP BW and SAP FI (and others) can help concretising one's own plan of the personal career and reaching intended goals quicker.

# GAIN SAP SKILLS WITH ERP4STUDENTS!

Industry has been complaining for a long time that a university education is not enough in order to prepare students for the challenges of their later professional lives. The focus on theoretical and methodical knowledge is very beneficial over a long period of time. However, it rarely helps to deal with actual challenges at work. In a business environment skills and competencies are required in addition to subject-matter knowledge.



Studies have shown that students acquire competencies when confronted with challenges they have to tackle individually or in small teams. The latter becoming more and more important due to the rise of agile project management approaches. The acquired competencies have a lasting effect and can be used to solve new problems. It is, however, necessary that students engage with the subject intensively. Self-directed, situational learning (i.e. dealing with real problems based on case studies) is seen to specifically foster competencies; it facilitates generalized knowledge acquisition. This kind of knowledge, developed through abstraction from individual experience, always has a direct link to an actual situation in contrast to pure abstract knowledge. It is of utmost importance to encourage students to regularly reflect on experiences they gained in the practical study of the topic. E-learning programs with a focus on practical case studies can convey generalized knowledge. erp4students is proud to offer a curriculum of programs that combine important theoretical contents with hands-on case studies. Thus, students can be sure to gain a long lasting theoretical knowledge they can later easily apply practically when they face challenges in a professional environment.

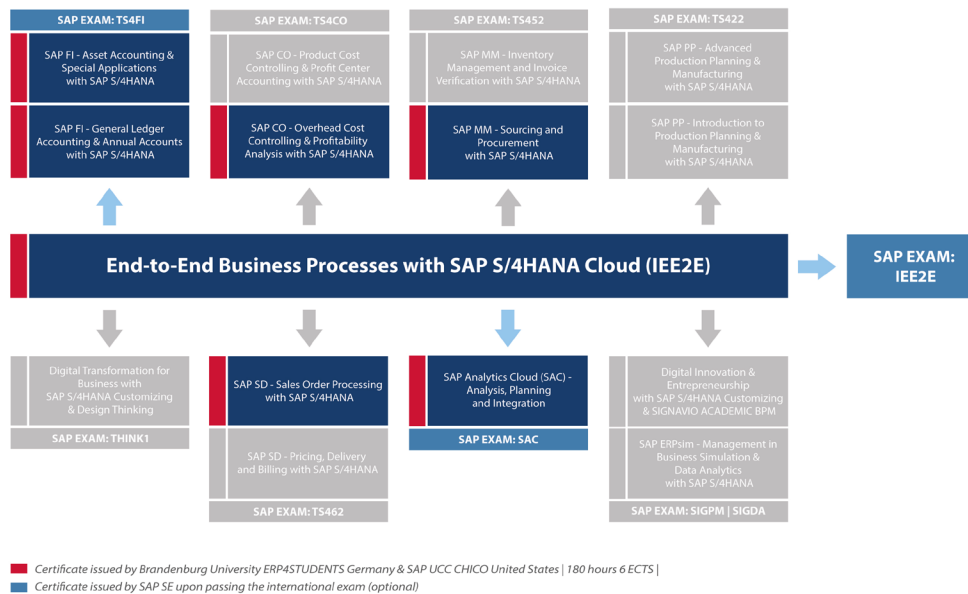
erp4students is a program of the Brandenburg University of Applied Sciences exclusively available for students. erp4students (offered since 2006) holds the rare opportunity for students to get in touch with SAP software products while at university and to gain relevant competencies in working with the world's leading enterprise software.

Participants, thus, acquire a clear competitive edge on the job market in comparison to other graduates. In addition to theoretical basics on the respective subject matter, students get the chance to work on an actual SAP system.

## BRIEF MODULE OVERVIEW

erp4students provides a broad expertise in the field of SAP software. In several e-learning programs, you will gain precious practical skills in working with different software products of SAP, as well as the theoretical and methodological background that is required in the official SAP certification exams.

The illustration below clarifies the topical connection between the programs: The common basis of the program is the program **End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)**. On this basis, the other areas build up. When there is more than one program in a specific area, these programs are consecutive and thus based on each other.



All titles in gray represent professional areas and programs that are available in the near future.

The aim of erp4students is also to prepare all participants for the official SAP SE consultant exams. The theoretical content of the official SAP classroom trainings is therefore covered in all programs and supplemented by the practical approaches mentioned. After completing the respective programs, you have the opportunity to take the respective SAP consultant certification at special conditions.

erp4students currently offers SAP certification exams in the following areas: **SAP S/4HANA Cloud (IEE2E)**, **Financial Accounting with SAP S/4HANA** & **SAP Analytics Cloud (SAC)**. There are more to come in the near future.

*The SAP exams can be taken conveniently online from home. The exam date can be scheduled individually and taken at any time of the day (even on weekends).*

For students, flexibility is probably the most important aspect about erp4students.

All resources are accessible 24 hours a day during the program period!  
The only deadline is the last day of the program.

**Note: erp4students currently offers programs in the fields of SAP S/4HANA Cloud, SAP FI with SAP S/4HANA and SAP Analytics Cloud in your region. More modules and programs will be available in the near future.**

## SAP STRATEGIC MANAGEMENT CONSULTING ASSOCIATE CAREERS

### END-TO-END BUSINESS PROCESSES WITH SAP S/4HANA CLOUD (IEE2E)

In the „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“ program, the participants not only acquire profound theoretical knowledge of the structure of the S/4HANA Cloud system. By working on case studies, they also gain important practical experience in using the system. After completing the program, the SAP consultant exam IEE2E can be taken at special conditions.

erp4students Program	Academy, SAP SE Program	Price at SAP NA	Fee Scholarship at erp4students
End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)	TS410, IEE2E	9,200 USD + VAT	500 USD
SAP Exam		222 USD + VAT	150 USD + VAT
<b>Total Fee:</b>		<b>9,422 USD + VAT</b>	<b>500 USD (+150 USD + VAT)</b>

## SAP PROFESSIONAL CONSULTING CAREERS

### SAP FINANCIAL ACCOUNTING WITH SAP S/4HANA (SAP FI)

Program participants can take the SAP consultant certification exam TS4FI after booking the two programs „SAP FI - General Ledger Accounting & Annual Accounts with S/4HANA“ and „SAP FI - Asset Accounting & Special Applications with S/4HANA“. In addition to the detailed description of the SAP FI application, its main components and their business background, important integration points to other SAP S/4HANA applications are shown - in particular for Controlling, Asset Management as well as Supplier and Customer Processes.

erp4students Program	Academy, SAP SE Program	Price at SAP NA	Fee Scholarship at erp4students
SAP FI - General Ledger Accounting & Annual Accounts with SAP S/4HANA	TS4F01	9,200 USD + VAT	550 USD
SAP FI - Asset Accounting & Special Applications with SAP S/4HANA	TS4F02	9,200 USD + VAT	550 USD
SAP Exam		222 USD + VAT	150 USD + VAT
<b>Total Fee:</b>		<b>18,622 USD + VAT</b>	<b>1,100 USD (+150 USD + VAT)</b>

## SAP CONTROLLING WITH SAP S/4HANA (SAP CO)

After completing the programs, you will have in-depth, theoretical knowledge of the SAP S/4HANA system in general and the Controlling component SAP CO in particular. Together, the programs prepare for the SAP consultant certification TS4CO, which can be taken at special conditions.

erp4students Program	Academy, SAP SE Program	Price at SAP NA	Fee Scholarship at erp4students
SAP CO - Overhead Cost Controlling & Profitability Analysis with SAP S/4HANA	TS4F03	9,200 USD + VAT	550 USD
SAP CO - Product Cost Controlling & Profit Center Accounting with SAP S/4HANA	TS4F04	9,200 USD + VAT	550 USD
SAP Exam		222 USD + VAT	150 USD + VAT
<b>Total Fee:</b>		<b>18,622 USD + VAT</b>	<b>1,100 USD (+ 150 USD + VAT)</b>

**Note: The program „SAP CO - Product Cost Controlling & Profit Center Accounting with SAP S/4HANA“ as well as the SAP exam will be available soon!**

## SAP MATERIALS MANAGEMENT WITH SAP S/4HANA (SAP MM)

After completing the programs, the participants will have knowledge of how to use the Materials Management component SAP MM in general and specifically in MM-related areas such as Organizational Units in Materials Management, Master Data in Materials Management, Determination of Source of Supply, Customizing of Purchasing Processes, Monitoring and Analytics in Procurement, and many more. After booking the two programs „SAP MM - Sourcing and Procurement with SAP S/4HANA“ and „SAP MM - Inventory Management and Invoice Verification with SAP S/4HANA“ you can take part in the SAP consultant certification TS452 at special conditions.

erp4students Program	Academy, SAP SE Program	Price at SAP NA	Fee Scholarship at erp4students
SAP MM - Sourcing and Procurement with SAP S/4HANA	S4500, S4520, S4550	12,880 USD + VAT	550 USD
SAP MM - Inventory Management and Invoice Verification with SAP S/4HANA	S4510, S4515, S4525	9,200 USD + VAT	550 USD
SAP Exam		222 USD + VAT	150 USD + VAT
<b>Total Fee:</b>		<b>22,302 USD + VAT</b>	<b>1,100 USD (+ 150 USD + VAT)</b>

**Note: The program „SAP MM - Inventory Management and Invoice Verification with SAP S/4HANA“ as well as the SAP exam will be available soon!**

## SAP SALES & DISTRIBUTION WITH SAP S/4HANA (SAP SD)

After completing the programs, the participants will have knowledge of how to use the Sales component SAP SD in general and specifically in SD-related areas such as Organizational Units in Sales, Customer Order Processing, Sales Monitoring and Analyses, Customizing and the application of Price Conditions, Delivery and Billing Processes and many more. After booking the two programs „SAP SD - Sales Order Processing with SAP S/4HANA“ and „SAP SD - Pricing, Delivery and Billing with SAP S/4HANA“ you can take part in the SAP consultant certification TS462 at special conditions.

erp4students Program	Academy, SAP SE Program	Price at SAP NA	Fee Scholarship at erp4students
SAP SD - Sales Order Processes with SAP S/4HANA	S4600, S4605, S4650	11,040 USD + VAT	550 USD
SAP SD - Pricing, Delivery and Billing with SAP S/4HANA	S4610, S4615, S4620	6,440 USD + VAT	550 USD
SAP Exam		222 USD + VAT	150 USD + VAT
<b>Total Fee:</b>		<b>17,702 USD + VAT</b>	<b>1,100 USD (+ 150 USD + VAT)</b>

**Note: The program „SAP SD - Pricing, Delivery and Billing with SAP S/4HANA“ as well as the SAP exam will be available soon!**

## SAP ENTERPRISE ANALYTICS CONSULTING CAREERS

### SAP ANALYTICS CLOUD (SAC)

As a program participant, you will learn how to deal with the different components of the SAC system and how to integrate them within complex Modelling, Analysis and Planning scenarios by first acquiring the theoretical basics and then intensively working on case studies based on integrated scenarios. This enables you to understand how the SAC system works on a fundamental level in such a way that you can quickly familiarize yourself with the specific environment of an unfamiliar SAC system. After completing the program, the SAP consultant exam C\_SAC can be taken at special conditions.

erp4students Program	Academy, SAP SE Program	Price at SAP NA	Fee Scholarship at erp4students
SAP Analytics Cloud (SAC) - Analysis, Planning, and Integration	SACE11, SACS21, SACP21, SACP31	9,537 USD + VAT	550 USD
SAP Exam		222 USD + VAT	150 USD + VAT
<b>Total Fee:</b>		<b>9,759 USD + VAT</b>	<b>550 USD (+ 150 USD + VAT)</b>

**MORE PROGRAMS SOON!**





**SAP S/4HANA  
CLOUD**

# **ENTERPRISE RESOURCE PLANNING WITH SAP S/4HANA CLOUD (IEE2E)**

# ENTERPRISE RESOURCE PLANNING WITH SAP S/4HANA CLOUD (IEE2E)

ERP stands for Enterprise Resource Planning, and it is the No. 1 software for any business worldwide. ERP systems help manage BIG DATA and plan company operations in the most effective way. An ERP system can control all business processes within an organization, such as governance, human resources, production, supply chain management, project management, and more.

The BRANDENBURG UNIVERSITY DIPLOMA End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E) is the ideal way to start your journey in the „SAP universe“. It explains the setup and features of the SAP S/4HANA system, both in theory and in practice. Through comprehensive case studies, participants will acquire a deep practical knowledge of the system. This will help them to grasp a future employer's ERP system faster and make their application more impressive.

## Advantages

Includes at no additional cost: 20 hours of live classes, IBP Epistemy Press Publishing Book, ERPsimsimulators and SAP Next-Gen Lab STEAM.

Guidance on how to sign up for the exam included in the program, and tips on how to pass the exam provided in the lectures. Practice more than test questions also provided.

This program is in academic collaboration with SAP UCC CHICO. Where the student will be able to access the next products as complementary material to their training: Global Bike Latest Version | SAP ARIBA | SAP IBP | HEC ERPsims GAMES (S/4HANA)

## IEE2E CONSULTANT CERTIFICATION AT SAP

erp4students offers participants of the program End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E) to take the official SAP certification exam. Upon passing the exam, participants will receive the official SAP consultant certificate C\_IEE2E: "SAP Certified Associate - Implementation Consultant - End-to-End Business Processes for the Intelligent Enterprise". This certificate is recognized as a worldwide standard in all industrial sectors.

Participants of this program can take the official certification exam directly with SAP SE after they finish all case studies successfully. SAP University Alliances generously sponsors the exam, and students can take it at a special price. The exam is a computer-based multiple-choice test that lasts for three (2 hours and evaluates the theoretical knowledge of the subject.

erp4students Program	Program at SAP Education
End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)	TS410, IEE2E

**SAP Exam: C\_IEE2E**

This program focuses on the topic of Enterprise Resource Planning (ERP). For the practical implementation of the content, the newest solution of the world market leader in the field of business software – SAP S/4HANA CLOUD – is used.

SAP ERP is currently the most used standard operating software worldwide. With S/4HANA, however, the successor based on the SAP HANA database is already in the starting blocks. This program aims to prepare students for current and future challenges in dealing with this complex subject area.

The SAP S/4HANA enterprise software provides a comprehensive insight into the theoretical foundations of Enterprise Resource Planning and shows the decisive innovations in the S/4HANA system.

Using case studies on integrated business processes, which the students actively carry out in an S/4HANA system, the theoretical knowledge is then practically implemented and deepened. The theoretical basis and the case studies cover practically the entire range of core areas (ECC) of the S/4HANA systems.

As a result, participants in this program will gain a comprehensive overview of the functional areas of the S/4HANA system: Logistics (LO), Financial Accounting (FI), Controlling (CO) and Human Capital Management (HCM).

For accessing the SAP system, SAP's next-generation user interface FIORI UX is used. Students will become acquainted with the new architecture, design and mode of operation of this innovative UI. In addition, integration points to SAP Hybris (CRM), SAP Ariba (Procurement), and SAP Success Factors (HR) are presented.

The participants are furthermore also prepared for the original certificate exam of SAP's own program TS410. Participants can take the SAP Consultant Certificate Exam (C\_IEE2E) after completing the program.



## LEARNING TARGETS

After completion of the program, the students will have a comprehensive theoretical and practical knowledge of the SAP S/4HANA system based on practical experience and extensive explanations of the individual S/4HANA functional modules. This refers to technical aspects, the organizational structure and the integration of many business processes and functional areas.

The practical work on the business process scenarios presented in the integrated case studies enables the program participants to understand the function of SAP S/4HANA fundamentally.

This gives the participants the skills to familiarize themselves quickly with any unknown SAP S/4HANA systems later in their career. When completing the program, the participants specifically have the skills and knowledge of the following functions and their integration within complex business processes:

- Logistics
  - Purchasing SAP MM S4 (Ariba)
  - Inventory Management (SAP IM S4)
  - Warehouse Management SAP WM S4 (EWM)
  - Production Planning and Control SAP PP S4 (IBP)
  - Sales and Distribution SAP SD S4 (CRM CX)
  - Enterprise Asset Management (SAP EAM)
  - Plant Maintenance (SAP PM S4)
  - Customer Service (SAP CS S4)
  - Project Management (SAP PS S4)
- Accounting
  - Financial Accounting (SAP FI S4)
  - Management Accounting (Controlling SAP CO S4)
- Human Capital Management (SAP HR) con SAP HCM & HXM (SuccessFactors)

## STRUCTURE

- Introduction to SAP S/4HANA Cloud
- Source-to-Pay Business Process (buy)
- Design-to-Order Business Process (supply-make)
- Lead-to-Cash Business Process (sell)
- Request-to-Service Process (maintain)
- Record-to-Report (finance)
- Hire-to-Retire (people)

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English
- System Requirements:
  - Computer (PC, Mac) with internet access
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 500 USD
- SAP Exam Fee: 150 USD (+ VAT)

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification with the name IEE2E requires the contents of the program:

- End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)



**SAP PROFESSIONAL  
CONSULTING CAREERS**

# **SAP FINANCIAL ACCOUNTING WITH SAP S/4HANA (SAP FI)**

The SAP S/4HANA application SAP FI (Financial Accounting) is responsible for the administration and presentation of accounting data and is therefore the core component of an SAP S/4HANA system. SAP FI fulfils the international requirements for external accounting. Recording all business transactions according to the document principle ensures a complete audit trail from the balance sheet to the individual document. As a result, each business case relevant to the balance sheet and income statement is posted in FI or transferred to FI. The flow of data between SAP FI and other components of the SAP system is open and integrated, this means that it is characterized by automatic updating. The data is available in financial accounting in real-time. This allows management to assess the financial situation of a company ad hoc and at any time.

SAP FI handles e.g. the financial relationships with suppliers and customers, such as the booking of receivables and payables, the collection of shipments and payments as well as the processing and issuing

of reminders and account statements. SAP FI is therefore essential for the preparation of business information as the basis for strategic decisions.

## Financial Accounting with SAP S/4HANA

The standard software SAP S/4HANA is currently the most frequently used ERP software worldwide. The Financial Accounting application represents the most widely used component of the SAP S/4HANA system. Theoretical knowledge and practical experience with the SAP S/4HANA system - and especially with the core component Financial Accounting - are therefore often the basic requirements for professional entry or promotion.

While theoretical ERP knowledge is often part of scientific curricula, the link to practice is usually lacking. Practical experience with a „living“ SAP S/4HANA system offers you a clear competitive advantage.

## SAP FI CONSULTANT CERTIFICATION

After the „SAP Financial Accounting with SAP S/4HANA“ module, you can take the official SAP consultant exam. If successful, the globally recognized SAP SE consultant certificate is awarded.

The exam is a computer-based multiple-choice test (duration: three hours) and can be taken online from the comfort of your own home. The exam date can be scheduled individually and carried out at any time of the day (even on weekends).

erp4students Program	Program at SAP Education
SAP FI - General Ledger Accounting & Annual Accounts with SAP S/4HANA	TS4F01
SAP FI - Asset Accounting & Special Applications with SAP S/4HANA	TS4F02

### SAP Exam: C\_TS4FI

This program focuses on accounting and how this intrinsically important area of business administration is implemented within the framework of the world leading standard software in the area of Enterprise Resource Planning SAP S/4HANA. The SAP S/4HANA application used for this purpose is called SAP FI (Financial Accounting).

Based on an integrated business scenario which you will accomplish directly in the SAP S/4HANA system, the central topics of Financial Accounting are systematically presented. While working on the system, you gradually get acquainted with all levels of the SAP S/4HANA system. This includes the customizing of your own organizational model, creation of your own master data records, and the customizing and implementation of your own integrated business processes in the area of Financial Accounting. The practical case studies cover the following areas in particular:

- Organizational Model in SAP S/4HANA with special focus on SAP FI
- Master Data in SAP S/4HANA with special focus on SAP FI
- Business Processes in the areas of General Ledger Accounting, Payment Processing, Dunning, Parallel Accounting, Subledger Accounting, and Year End Closing

In addition to the detailed description of the SAP FI application, its main components and its business background, important integration points to other SAP S/4HANA applications are presented, too, in particular for controlling as well as supplier and customer processes.

The program is rounded off by background information on project management as part of the introduction of standard software, the organizational units and structures, and the process components of the SAP system for mapping companies and business processes that is integrated in the case studies.



### LEARNING TARGETS

After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Financial Accounting component SAP FI in particular. You will be able to apply both the SAP S/4HANA system and the FI component in a new environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in accounting.

In particular, you will acquire knowledge and skills in the following FI-related areas:

- General Ledger Accounting
- Payment Processing
- Dunning
- Parallel Accounting
- Subledger Accounting
- Closing Activities
- Controlling

## STRUCTURE

- Introduction to SAP S/4HANA
  - Foundations Enterprise Resource Planning
  - Organizational Levels, Master Data, Processes and Reporting in SAP S/4HANA
  - Foundations SAP NetWeaver
  - Foundations SAP Business Warehouse
- Introduction to SAP FI and SAP CO
  - Overview SAP FI
  - Overview SAP CO
- Organizational Levels and Master Data in SAP FI
  - Customizing of Organizational Units of SAP FI
  - Customizing the Basic Settings (Calendar, Fiscal Year, Currency)
  - Customizing of Master Data of SAP FI
- Business Processes in SAP FI
  - Parallele Rechnungslegung
  - Geschäftsprozesse in SAP FI
- Closing Activities in SAP S/4HANA
  - Closing Overview and Basic Settings
  - Balance Sheet / Profit and Loss Statement
  - Receivables and Liabilities
  - Accruals and Deferrals
  - Technical, Organizational and Documentary Closing Activities
  - Closing Cockpit

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English, German
- System Requirements:
  - Microsoft Windows System (PC or Mac with VM: free versions available)
  - Recommended: Microsoft Office
  - At least 700 MB free hard drive space
  - Internet Access
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS4FI requires the content of the following consecutive programs and can be booked at erp4students on special conditions:

- SAP FI - General Ledger Accounting & Annual Accounts with SAP S/4HANA
- SAP FI - Asset Accounting & Special Applications with SAP S/4HANA



This program builds on the program „SAP FI - General Ledger & Annual Accounts with SAP S/4HANA“ and covers further central aspects of the SAP S/4HANA application SAP FI to provide a complete picture of this application.

Based on an integrated business scenario which you will conduct directly in the SAP S/4HANA system, the central topics of Financial Accounting are systematically presented. While working on the system, you gradually get acquainted with all levels of the SAP S/4HANA system. This includes the customizing of your own organizational model, creation of your own master data records, and the customizing and implementation of your own integrated business processes in Financial Accounting. In addition, you will intensively deal with the information systems of the SAP FI application as well as various standard and drill-down reports and define your own reports.

Building on the knowledge gained from the first program, you will deal with the following areas in the case studies:

- Organizational Models in SAP S/4HANA with special focus on SAP FI
- Master Data in SAP S/4HANA with special focus on SAP FI
- Business Processes in the areas of Asset Accounting, Valuation and Depreciation
- Special Applications of Document Control, Document Validation and Substitution as well as Document Splitting in General Ledger and Subledger Accounting
- Standard Reports, Drill-down Reporting and Information Systems in Financial Accounting

In addition to the detailed description of the SAP FI application, its main components and its business background, important integration points to other SAP S/4HANA applications for controlling, asset management and supplier and customer processes.



### LEARNING TARGETS

After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Financial Accounting component SAP FI in particular. You will be able to apply both the SAP S/4HANA system and the FI component in a unique environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in accounting.

You will get knowledge and skills in the following FI-related areas Asset Accounting, Document Control, Document Validation and Substitution and Document Splitting as well as information systems of the Financial application.

By dealing with the respective SAP S/4HANA organizational units and their integration as well as the mapping of complete business processes, you gain a holistic understanding of the Financial Accounting component in SAP S/4HANA and the interaction of the individual areas within this component as well as the integration of the component with others SAP S/4HANA applications. As a project employee or end user, you will be prepared for the practical use of the SAP S/4HANA system and the SAP FI part.

## STRUCTURE

- Asset Accounting (SAP FI-AA)
  - Organizational Structures in SAP FI (AA)
  - Master Data in SAP FI (AA)
  - Business Processes in SAP FI (AA)
  - Periodic Tasks and Valuation in SAP FI (AA)
- Special Applications in SAP FI
  - Special G/L Transactions
  - Validations and Substitutions
  - Document Splitting
- Reporting and Information Systems
  - Infosystems in SAP FI
  - Standard Reports in Financials and Controlling
  - SAP List Viewer
  - Drill-down-Reporting



## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English
- System Requirements:
  - Microsoft Windows System (PC or Mac with VM: free version available)
  - Recommended: Microsoft Office
  - At least 700 MB free hard drive space
  - Internet Access
- Other Requirements:
  - For participants without knowledge of SAP ERP we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
  - For participants without knowledge of SAP FI we urgently suggest the previous or parallel participation in the program „SAP FI - General Ledger & Annual Accounts with SAP S/4HANA“.
- Duration: ca. 4 months
- Program Certificate: Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program
- Program Fee: 550 USD
- SAP Exam Fee: 150 USD + VAT
  - Note: Registration for the SAP certification exam requires participation in both SAP S/4HANA FI programs.

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS4FI requires the content of the following consecutive programs and can be booked at [erp4students](#) on special conditions:

- SAP FI - General Ledger Accounting & Annual Accounts with SAP S/4HANA
- SAP FI - Asset Accounting & Special Applications with SAP S/4HANA

A photograph of three people in a meeting, overlaid with a teal diagonal graphic. The text "SAP PROFESSIONAL CONSULTING CAREERS" is written in white, uppercase letters on the teal background.

**SAP PROFESSIONAL  
CONSULTING CAREERS**

# **SAP CONTROLLING WITH SAP S/4HANA (SAP CO)**

Controlling is important for decision-making at management level, since it provides extremely valuable information and data. The corresponding controlling application SAP CO helps checking, manage and optimizing the processes running within a company.

Controlling has two main tasks: On the one hand, the documentation of the actual enterprise events. On the other hand, the planning of intelligent and sustainable future events. By comparing actual and planned data, deviations can be determined, which can control and correct the internal company processes.

Controlling (SAP CO) is an integral part of the accounting application (SAP FI) in SAP S/4HANA and, with its internal view of the company, forms the counter part to externally oriented finance. The data from SAP CO and SAP FI are in real time via Universal Journal.

In this way, all cost-relevant data is on directly from financial accounting to controlling, whereby costs and

revenues to the individual CO-relevant cost centers, business processes or projects.

## Controlling with SAP S/4HANA

The standard software SAP S/4HANA is currently the most often used ERP software worldwide. In addition to the financial accounting application, the controlling application is the most used part of the SAP S/4HANA system by companies. A thorough theoretical and practical training in handling the SAP S/4HANA system - and in particular with one of the core components SAP CO - helps you to increase your own market value and to increase your chances on the job market. In particular, the practical experience with a „living“ SAP S/4HANA

## SAP CO CONSULTANT CERTIFICATION

After the „SAP Controlling with SAP S/4HANA“ module, you can take the official SAP consultant exam. If successful, the globally recognized SAP SE consultant certificate is awarded.

The exam is a computer-based multiple-choice test (duration: three hours) and can be taken online from the comfort of your own home. The exam date can be scheduled individually and carried out at any time of the day (even on weekends).

erp4students Program	Program at SAP Education
SAP CO - Overhead Cost Controlling & Profitability Analysis with SAP S/4HANA	TS4F03
SAP CO - Product Cost Controlling & Profit Center Accounting with SAP S/4HANA	TS4F04

### SAP Exam: C\_TS4CO

In this program you will deal with internal accounting (also known as Controlling) and how this inherently important area of business administration is implemented in the context of the latest standard software in the field of enterprise resource planning, SAP S/4HANA. The SAP S/4HANA application dealt with is SAP CO (Controlling).

Explore central controlling topics through an integrated business scenario within the SAP S/4HANA system, progressing step-by-step across all levels. This includes customizing your own organizational model, creating your own master data records, and customizing and conducting your own integrated business processes around controlling. The case studies deal with the following areas in a practice-oriented manner:

- Organizational Model in SAP S/4HANA with special focus on SAP CO
- Master Data in SAP S/4HANA with special focus on SAP CO
- Business Processes in the areas of Overhead Cost Controlling, Cost Center and Cost Element Accounting, Internal Order, Planning, Budgeting, and Availability Control as well as Profitability Analysis

In addition to the detailed description of the SAP CO application, its main components and their business background, important points of integration with other SAP S/4HANA applications - with financial accounting as well as purchasing and sales processes.

The program includes background on project management, organizational structures, and SAP system components for mapping companies and business processes, integrated into case studies.

The SAP system is via the new, future-oriented SAP user interface - FIORI UX - the structure and functionality of which is in detail.



### LEARNING TARGETS

After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Controlling component SAP CO in particular. You will be able to apply both the SAP S/4HANA system and the CO component in a unique environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in controlling.

You will also be able to orientate yourself in an ERP system. You will have in-depth knowledge and skills about the SAP S/4HANA component SAP CO, in the relevant areas of overhead cost controlling, cost center and cost element accounting, internal orders, planning and budgeting as well as profitability analysis. By dealing with the respective SAP S/4HANA organizational units and their integration as well as the mapping of complete business processes, you will gain a holistic understanding of the controlling component in SAP S/4HANA and the interaction of the individual areas within this component as well as the integration of the component with others SAP S/4HANA applications. As a result, you are prepared, for example, as a project employee or end user, for the practical use of the SAP S/4HANA system in general and the SAP CO component in particular.

## STRUCTURE

- SAP HANA, S/4HANA, SAP FIORI UX
- Organizational Levels and Master Data for Overhead Cost Controlling
- Business Processes in Cost Center and Cost Element Accounting
- Internal Orders
- Master Data and structures of Profitability Analysis
- Actual Dataflow and Cost Allocation
- Profitability Planning Process and Information Systems in CO-PA

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English
- System Requirements:
  - Computer (PC, Mac) with internet access
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS4CO requires the content of the following consecutive programs and can be booked at [erp4students](#) on special conditions:

- SAP CO - Overhead Cost Controlling & Profitability Analysis with SAP S/4HANA
- SAP CO - Product Cost Controlling & Profit Center Accounting with SAP S/4HANA

**THIS PROGRAM  
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AVAILABLE  
SOON!**

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tion by the aspects of the SAP  
S/4HANA application and thus conveying a  
complete picture of this application.

With the help of an integrated business scenario that you actively carry out on the system, central topics of controlling are presented. You will work successively on all levels of the SAP S/4HANA system. This includes customizing your own organizational model, creating your own master data records, and customizing and carrying out your own integrated business processes in the area of controlling. The case studies deal with the following areas in a practice-oriented manner:

- Organizational Model in SAP S/4HANA with special focus on SAP CO
- Master Data in SAP S/4HANA with special focus on SAP CO
- Business Processes in the areas of Product Cost Controlling, Cost Object Controlling as well as Profit Center Accounting

In addition to the detailed description of the SAP CO application, its main components and their business background, important points of integration with other SAP S/4HANA applications - in particular with financial accounting as well as purchasing and sales processes - are shown.

The program is rounded off by background information on project management as part of the introduction of standard software, the organizational units and structures, and the process components of the SAP system for mapping companies and business processes that is integrated in the case studies.

The SAP system is accessed via the new, future-oriented SAP user interface - FIORI UX - the structure and functionality of which is also explained in detail.



## LEARNING TARGETS

After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Controlling component SAP CO in particular. You will be able to apply both the SAP S/4HANA system and the CO component in a new environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in controlling.

You will also be able to orientate yourself generally in an ERP system. You will have in-depth knowledge and skills with regard to the SAP S/4HANA component SAP CO, in particular in the relevant areas of product cost controlling, cost object controlling as well as profit center accounting. By dealing with the respective SAP S/4HANA organizational units and their integration as well as the mapping of complete business processes, you will gain a holistic understanding of the controlling component in SAP S/4HANA and the interaction of the individual areas within this component as well as the integration of the component with other SAP S/4HANA applications. As a result, you are prepared, for example, as a project employee or end user, for the practical use of the SAP S/4HANA system in general and the SAP CO component in particular.

**THIS PROGRAM  
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SOON!**



## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English
- System Requirements:
  - Computer (PC, Mac) with internet access, Microsoft Office recommended
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
  - For participants without knowledge of SAP CO we urgently suggest the previous or parallel participation in the program „SAP CO - Overhead Cost Control & Profitability Analysis with SAP S/4HANA“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD
- SAP Exam Fee: 150 USD + VAT
  - Note: Registration for the SAP certification exam requires participation in both SAP S/4HANA CO programs.

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS4CO requires the content of the following consecutive programs and can be booked at [erp4students](#) on special conditions:

- SAP CO - Overhead Cost Controlling & Profitability Analysis with SAP S/4HANA
- SAP CO - Product Cost Controlling & Profit Center Accounting with SAP S/4HANA





**SAP PROFESSIONAL  
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# **SAP MATERIALS MANAGEMENT WITH SAP S/4HANA (SAP MM)**

Materials Management is significant for every company as it represents the central authority for the procurement and provision of materials for all needs in the company. The corresponding SAP application SAP MM helps with the implementation and processing of business processes relevant to material requirements, starting with the identification of material requirements, through the coordination of procurement processes, to the procurement of materials and settlement of supplier invoices.

Materials Management (SAP MM) is an integral part of the Logistics application (SAP LO) in SAP S/4HANA. Together with the other two main logistics applications - Production Planning (SAP PP) and Sales and Distribution (SAP SD) - it can consistently map all aspects of a company from a logistics perspective, including master data (customers, suppliers, materials), end business processes along the entire logistics supply chain (order processing, requirements planning, purchasing, production, delivery, shipping, billing) as well as monitoring and analysis of all busi-

ness-relevant business partner, material and financial data. Integration with the financial application (SAP FI) makes it possible to map the financial supply chain as well as monitor and analyze all financially relevant aspects of the company's procurement processes. Integration with the controlling application (SAP CO) allows monitoring and analysis of costs, profits and profitability segments related to the procurement processes.

The standard software SAP S/4HANA is currently the most frequently used ERP software worldwide. The SAP MM application is one of the central applications of the SAP S/4HANA system as it covers all material provisioning-related business processes in an enterprise. A thorough theoretical and practical training in managing the SAP S/4HANA system - and with one of the core components SAP MM - helps you to increase your own market value and to increase your chances on the job market. In particular, the practical experience with a „living“ SAP S/4HANA system offers you a clear competitive advantage.

## SAP MM CONSULTANT CERTIFICATION

After the „SAP Materials Management with SAP S/4HANA“ module, you can take the official SAP consultant exam. If successful, the globally recognized SAP SE consultant certificate is awarded.

The exam is a computer-based multiple-choice test (duration: three hours) and can be taken online from the comfort of your own home. The exam date can be scheduled individually and carried out at any time of the day (even on weekends).

erp4students Program	Program at SAP Education
SAP MM - Sourcing and Procurement with SAP S/4HANA	S4500, S4520, S4550
SAP MM - Inventory Management and Invoice Verification with SAP S/4HANA	S4510, S4515, S4525

### SAP Exam: C\_TS452

This certification program focuses on sourcing and procurement and how this intrinsically valued area of business administration is implemented within the framework of the world leading standard software around Enterprise Resource Planning SAP S/4HANA. The SAP S/4HANA application used for this purpose is called SAP MM (Materials Management).

This certification program introduces the central topics of Sourcing and Procurement within the SAP S/4HANA system through an integrated business scenario. As you work with the system, you will gain a comprehensive understanding of its various levels. This includes the customizing of your own organizational model, creation of your own master data records, and the customizing and implementation of your own integrated business processes around Sourcing and Procurement. The practical case studies cover the following areas in particular:

- Organizational Model in SAP S/4HANA with special focus on SAP MM
- Master Data in SAP S/4HANA with special focus on SAP MM
- Business Processes with a focus on Sourcing and Procurement

This section offers a comprehensive overview of the SAP MM application, detailing its core components and business relevance. It also highlights crucial integration points with SAP S/4HANA applications, such as financial accounting and controlling.

The program includes background information on project management for implementing standard software, covering organizational units, structures, and process components of the SAP system that map companies and business processes through integrated case studies.



### LEARNING TARGETS

After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Materials Management component SAP MM in particular. You will be able to apply both the SAP S/4HANA system and the MM component in a unique environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in procurement processing.

You will acquire knowledge and skills in the following MM-related areas:

- Organizational Units in Materials Management
- Master Data in Materials Managements
- Determination of Source of Supply
- Customizing of Purchasing Processes
- Monitoring and Analytics in Procurement

## STRUCTURE

- Introduction to SAP S/4HANA
- Customizing Projects and Organizational Levels in SAP MM
  - Basics of the SAP Implementation Guide
  - Customizing Projects in SAP S/4HANA
  - Customizing of Organizational Units of SAP MM
- Master Data in SAP MM
  - Customizing of Master Data of SAP MM
  - Business Partner Master Data in SAP MM
  - Material Master Data in SAP MM
  - Pricing and Source of Supply in SAP MM
- Business Processes in SAP MM
  - Purchase Order Processing
  - Goods Receipt Processing
  - Invoice Verification
  - Stock Materials and Consumable Materials
  - Self-Service Requisition
  - Advanced Transactions in Procurement
  - Automated Procurement Process
  - Reporting and Analytics in SAP MM
- Process Customizing in SAP MM
  - Valuation and Account Assignment
  - Customizing of Document Types in SAP MM
  - Partner Functions in SAP MM
  - Material Determination
  - Text and Output Control
  - Optimized Purchasing
  - Document Release Procedures
  - Special Business Transactions and Business Processes in SAP MM

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 Hours / 6 ECTS
- Language: English
- System Requirements:
  - Computer (PC, Mac) with internet access
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS452 requires the content of the following consecutive programs and can be booked at [erp4students](http://erp4students) on special conditions:

- SAP MM - Sourcing and Procurement with SAP S/4HANA
- SAP MM - Inventory Management and Invoice Verification with SAP S/4HANA

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## LEARNING TARGETS



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## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language:
  - Englisch
- System Requirements:
  - Computer (PC, Mac) with internet access, Microsoft Office suggested
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
  - or participants without knowledge of SAP MM we urgently suggest the previous or parallel participation in the program „SAP MM - Sourcing and Procurement with SAP S/4HANA“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD
- SAP Exam Fee: 150 USD + VAT
  - Note: Registration for the SAP certification exam requires participation in both SAP S/4HANA MM programs.

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS452 requires the content of the following consecutive programs and can be booked at erp4students on special conditions:

- SAP MM - Sourcing and Procurement with SAP S/4HANA
- SAP MM - Inventory Management and Invoice Verification with SAP S/4HANA



**SAP PROFESSIONAL  
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**SAP SALES & DISTRIBUTION  
WITH SAP S/4HANA (SAP SD)**

Sales and Distribution is significant for any company, as it is the central piece for establishing customer relationships, selling products, and generating revenue. The corresponding sales and distribution application SAP SD helps implementing and running sales-relevant business processes, starting with identifying sales opportunities, coordinating sales processes, distributing products, and billing the customers. Sales and distribution have two main tasks: On the one hand, building and establishing customer relationships. On the other hand, selling and distributing products.

We will analyze and optimize sales processes by utilizing the seamless integration of SAP S/4HANA with logistical and financial modules. This will lead to improved customer satisfaction, strengthened customer relationships, and increased revenue and profitability.

Sales and Distribution (SAP SD) is an integral part of the LOGISTICS APPLICATION (SAP LO) in SAP S/4HANA.

Together with the other two main logistics applications – production planning (SAP PP) and materials management (SAP MM) – it can map all aspects of a business from a logistical point of view, including master data (customer, products), end-to-end business processes spanning the entire logistical supply chain (sales order processing, requirements planning, purchasing, make-to-order production, delivery, shipping, billing), as well as monitoring and analyzing all business relevant customer, product and financial data.

Integration with the financial application (SAP FI) allows mapping the financial supply chain as well as monitoring and analyzing all financially relevant aspects of the company's sales processes. Integration with the controlling application (SAP CO) allows monitoring and analyzing costs, profits and profitability segments associated with the sales processes.

## SAP SD CONSULTANT CERTIFICATION

After the „SAP Sales & Distribution with SAP S/4HANA“ module, you can take the official SAP consultant exam. If successful, the globally recognized SAP SE consultant certificate is awarded.

The exam is a computer-based multiple-choice test (duration: three hours) and can be taken online from the comfort of your own home. The exam date can be scheduled individually and carried out at any time of the day (even on weekends).

erp4students Program	Program at SAP Education
SAP SD - Sales Order Processing with SAP S/4HANA	S4600, S4605, S4650
SAP SD - Pricing, Delivery and Billing with SAP S/4HANA	S4610, S4615, S4620

### SAP Exam: C\_TS462



This program focuses on sales and distribution and how this intrinsically major area of business administration is implemented within the framework of the world leading standard software in the area of Enterprise Resource Planning SAP S/4HANA. We will use SAP SD (Sales and Distribution) in SAP S/4HANA to explore Sales Processing. By working on a real-world business scenario, you will gain direct experience with key topics.

While working on the system, you gradually get acquainted with all levels of the SAP S/4HANA system. This includes the customizing of your own organizational model, creation of your own master data records, and the customizing and implementation of your own integrated business processes around Sales and Distribution.

The practical case studies cover the following areas in particular:

- Organizational Model in SAP S/4HANA with special focus on SAP SD
- Master Data in SAP S/4HANA with special focus on SAP SD
- Business Processes with a focus on Sales Order Processing

In addition to exploring the SAP SD module, we will also discuss its integration with other key SAP S/4HANA modules, such as Financial Accounting (FI) and Controlling (CO).

The program concludes by integrating project management, organizational structures, and SAP system process components into the case studies, providing a holistic understanding.



### LEARNING TARGETS

After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Sales and Distribution component SAP SD in particular. You will be able to apply both the SAP S/4HANA system and the SD component in a unique environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in sales processing. In particular, you will acquire knowledge and skills in the following SD-related areas:

You will acquire knowledge and skills in the following SD-related areas:

- Organizational Units in Sales and Distribution
- Master Data in Sales and Distribution
- Sales Order Processing
- Customizing of Sales Processes
- Sales Monitoring and Analytics

## STRUCTURE

- Introduction to SAP S/4HANA
- Organizational Levels and Master Data in SAP SD
  - Customizing of Organizational Units of SAP SD
  - Customizing of Master Data of SAP SD
- Business Processes in SAP SD
  - Presales Activities
  - Sales Order Processing
  - Outbound Delivery Processing
  - Make-to-Order Production
  - Sales Processes for Service Products
  - Sales Monitoring and Analytics
- Process Customizing in SAP SD
  - Defining Sales Document Types
  - Data Flow and Copy Control
  - Partner Functions in SD
  - Material Determination
  - Outline Agreements
  - Text and Output Control
  - Incompletion Check
  - Blocking Reasons
  - Special Business Transactions in SD

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 Hours / 6 ECTS
- Language: English
- System Requirements:
  - Computer (PC, Mac) with internet access
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS462 requires the content of the following consecutive programs and can be booked at erp4students on special conditions:

- SAP SD - Sales Order Processing with SAP S/4HANA
- SAP SD - Pricing, Delivery and Billing with SAP S/4HANA

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SOON!**

## LEARNING TARGETS



After completing the program, you will have in-depth theoretical knowledge of the SAP S/4HANA system in general and of the Sales and Distribution component SAP SD in particular. You will be able to apply both the SAP S/4HANA system and the SD component in a new environment. You will gain knowledge through a comprehensive description of the organizational structures, their links in the SAP S/4HANA system and through the focus on mapping integrated business processes in sales processing. In particular, you will acquire knowledge and skills in the following SD-related areas:

- Organizational Units in Sales and Distribution
- Master Data in Sales and Distribution
- Customizing and Application of Pricing Conditions
- Customizing and Application of Delivery Processes
- Customizing and Application of Billing Processes
- Sales Monitoring and Analytics

- Organizational model in SAP S/4HANA with special focus on SAP SD
- Master Data in SAP S/4HANA with special focus on SAP SD
- Business processes with a focus on Pricing, Delivery, and Billing Processing

In addition to the detailed description of the SAP SD application, its main components and its business background, important integration points to other SAP S/4HANA applications are presented, too, in particular for financial accounting as well as controlling.

The program is rounded off by background information on project management as part of the introduction of standard software, the organizational units and structures, and the process components of the SAP system for mapping companies and business processes that is integrated in the case studies.

This program requires that the program SAP SD - Sales Order Processing with SAP S/4HANA has been successfully completed and that the contents discussed there have been internalized.

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- Structure and Functions of the Delivery Processes
- Controlling Delivery Processes
- Goods Issue Process Based on the Delivery
- Processes and Functions based on the Delivery with Embedded EWM
- Billing in Sales and Distribution Processes
  - Basic Organizational Units for the Billing Process
  - Structure and Functions of the Billing Process
  - Controlling the Billing Process
  - Special billing Types
  - Types of Settlement
  - Special Business Processes in Billing
  - Interface Between Sales and Distribution and Financial Accounting

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English
- System Requirements:
  - Computer (PC, Mac) with internet access
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
  - For participants without knowledge of SAP SD we urgently suggest the previous or parallel participation in the program „SAP SD - Sales Order Processing with SAP S/4HANA“.
- Duration: ca. 4 months
- Program Certificate:
  - Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD
- SAP Exam Fee: 150 USD + VAT
  - Note: Registration for the SAP certification exam requires participation in both SAP S/4HANA SD programs.

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification called C\_TS462 requires the content of the following consecutive programs and can be booked at [erp4students](#) on special conditions:

- SAP SD - Sales Order Processing with SAP S/4HANA
- SAP SD - Pricing, Delivery and Billing with SAP S/4HANA

A collage of three people looking at a screen, overlaid with a green diagonal banner containing text. The banner text reads "SAP ENTERPRISE ANALYTICS CONSULTING CAREERS".

**SAP ENTERPRISE ANALYTICS  
CONSULTING CAREERS**

# **SAP ANALYTICS CLOUD (SAC)**

SAP Analytics Cloud (formerly SAP BusinessObjects Cloud) is SAP's cloud solution for data analysis and reporting. It consolidates a wide range of functions (discover, analyze, report, visualize, plan, forecast) and applications in a single and unified cloud-based platform and offers them to customers as Software-as-a-Service. The great strength of SAP Analytics Cloud is that it unifies traditionally separate applications into one platform, thereby combining processes of data modeling, reporting, visualization, and predictive analysis into an intuitive and importantly purpose-built analysis process, which is tailored to the experiences of business users (i.e., role-based).

With the SAP Analytics Cloud solution, SAP leases its customers dedicated tenants (isolated and secure) on a shared hardware-software platform. SAP manages the hardware and software so that customers do not have to perform any administrative tasks by themselves and can concentrate on using the respective analysis applications. This concept is also referred to as Software-as-a-Service (SaaS).

The cloud is natively based on the SAP Cloud Platform (SCP) and allows customers simplified and secure access to their own data and applications in their own tenant. As a SaaS solution, SAP Analytics Cloud combines analysis, planning, forecasting, and digital boardroom functions to enable customers to analyze all relevant business data in the cloud and/or on-premises. SAP Analytics Cloud can be a public or private SaaS that allows access to on-premises and cloud data sources.

SAP Analytics Cloud provides various analysis capabilities in a single cloud-based SAP solution that enables data analysts and decision makers to analyze, visualize, plan, and forecast in a secure and cloud-based environment. Based on these core capabilities, customers can automatically identify the key business drivers behind their core KPIs that impact customer success. In this way, business decisions across all business areas can be aligned to a single point of truth, and users can have a 360-degree view of all processes, operations, and business areas.

## SAP ANALYTICS CLOUD CONSULTANT CERTIFICATION

After the program „SAP Analytics Cloud (SAC) - Analysis, Planning, and Integration“, you can take the official SAP consultant exam. If successful, the globally recognized SAP SE consultant certificate is awarded.

The exam is a computer-based multiple-choice test (duration: three hours) and can be taken online from the comfort of your own home. The exam date can be scheduled individually and carried out at any time of the day (even on weekends).

<b>erp4students Program</b>	<b>Program at SAP Education</b>
SAP Analytics Cloud (SAC) - Analysis, Planning, and Integration	SACE11, SACS21, SACP21, SACP31
<b>SAP Exam: C_SAC</b>	

This program deals with the software solution SAP Analytics Cloud (SAC) from SAP SE. SAP SAC is used to carry out analyses, reporting, and planning.

The program focuses primarily on data modeling, data analysis, and business planning by using SAP Analytics Cloud and the integration of SAC with various data sources. First, the theoretical basics of data modeling, data analysis, planning, and source system integration in SAP Analytics Cloud are presented in detail. In addition to the theoretical introduction, what has been learned is applied by working on case studies directly on a living system. This way, the acquired theoretical knowledge is applied in practice and thereby strengthened.

The case studies are carried out on an SAP training system. The used data sets are based on the GBIS/4HANA system (Global Bike Inc.), which depicts a fully developed model company. The mapping is based on a standard SAP S/4HANA system and provides, among other things, the company structure as well as the data basis for carrying out extensive analyzes in the SAC system.

The participants learn how to use the SAC system by using the user interface based on Fiori UX technology.

The program consists of three parts:

In the first part of the program, you will deal with the creation of data models that serve as the basis for subsequent analysis and planning applications. In the first part of the program, the data is loaded into the model via the file interface from Excel files. You will use the data models created here and the data loaded into them to define your own SAC stories (analysis applications) and to analyze the data from different perspectives. The focus in this part of the program is on getting to know and using the numerous possibilities that SAC provides for data analysis and the creation of analytical applications. You will get to know the individual functions for tabular, graphical, and geographical analysis of data and apply them in the system. In addition, functions for sorting, filtering, formatting, and calculations are applied on these analyses. In addition, the first part of the pro-

gram introduces the use of SAP Analytics Cloud in conjunction with Microsoft Office and advanced methods for presenting and consuming data by using the SAC application Digital Boardroom. The first part is rounded off with an explanation of administrative tasks and functions in the SAC and the possibilities for users to collaborate on certain tasks in the SAC.

the planning application from SAC. A separate model is created again. Several planning applications are defined based on this model. This part of the program focuses on planning, forecasting, and data validation. Tasks in the second part of the program are the use of data tables in planning, mass data maintenance, performing what-if analyzes and value driver trees, creating forecast and planning versions, and using various data actions to automate connected data manipulation steps. Allocations in planning and the creation of planning processes are also discussed.

In the third part of the program, you will deal with the different possibilities of SAC when integrating with other SAP and non-SAP systems. This includes live data access to SAP BW and SAP S/4HANA as well as the use of data from non-SAP systems and SAP BusinessObject Universes.

**LEARNING TARGETS**  
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## LEARNING TARGETS



After completing the program, you will have in-depth, theoretical knowledge of the SAC system, its technical aspects, the structure of the underlying data model, and the procedure for creating analytical applications and planning applications.

After completing the program, you will be able to orientate yourself in an SAC system. In particular, you have knowledge and skills in the following functional areas:

- Administration and Collaboration in SAC
- Data Modeling in SAC
- Use of SAC Applications (Stories, Analytics Designer, SAP Analysis for Microsoft Office, Digital Boardroom) for Data Analysis
- Use of SAC Applications (Versioning, Data Tables, Bulk Data Modification, Data Actions, What-if Analysis, Value Driver Trees, Allocations, Forecasts and Smart Predict, Planning Processes) for Planning and Forecasting
- Data Validation
- Data Locks
- Integration with SAP Source Systems (SAP BW, SAP S/4HANA, SAP BPC)
- Integration with non-SAP sources
- File Interface

INCREASE YOUR CAREER  
OPPORTUNITIES WITH AN  
SAP CONSULTANT CERTIFICATE  
AND GET A LITTLE  
CLOSER TO YOUR  
**DREAM JOB**





## STRUCTURE

- Part I: SAP Analytics Cloud – Data Modeling and Analysis With SAC
  - Navigation and Setting in SAP Analytics Cloud
  - Navigation in an SAC Application
  - Definition of Analysis Models in SAP Analytics Cloud
  - Definition and Use of SAC-Stories
  - Use of the Analytic Designer
  - Use of SAP Analysis for Microsoft Office
  - Use of Digital Boardroom
  - Administration and Collaboration in SAP Analytics Cloud
- Part II: SAP Analytics Cloud – Business Planning with SAC
  - Definition of Planning Models in SAP Analytics Cloud
  - Version Management
  - Data Tables and Bulk Data Change
  - What-If Analysis
  - Value Driver Trees
  - Forecasts and Smart Predict
  - Data Actions
  - Allocations
  - Planning Processes
  - Data Validation
  - Data Locks
- Part III: SAP Analytics Cloud – Integration of SAC with Data Sources
  - Integrated Planning Functions
  - Integration with SAP BW
  - Integration with SAP S/4HANA
  - Integration with SAP BPC
  - Analytical Applications and Integration of Microsoft Excel

## IMPORTANT INFORMATION IN BRIEF

- Total Workload:
  - 180 hours / 6 ECTS
- Language: English, German
- System Requirements:
  - Computer (PC, Mac) with internet access
- Other Requirements:
  - For participants without knowledge of SAP S/4HANA we urgently suggest the previous or parallel participation in the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“.
- Program Certificate: Certificate by Brandenburg University of Applied Sciences when all case studies are completed successfully during the program.
- Program Fee: 550 USD
- SAP Exam Fee: 150 USD + VAT

Upon successful completion of the program, you will receive the certificate from the Brandenburg University of Applied Sciences.

The official SAP consultant certification with the name C\_SAC requires the contents of the program:

- SAP Analytics Cloud (SAC) – Analysis, Planning, and Integration

With the digitization of society, today hardly any business process is conceivable without IT support. It is therefore important to understand that business application systems are information systems for people and not programs for computers. Solutions must be found that orchestrate the interaction of processes, organizations, and end users. For this reason, we attach great importance in our programs to imparting the appropriate skills that enable the practical solution of business processes with today's complex IT solutions. In addition to a wellfounded theoretical understanding we attach great importance to practical transfer in our program design - through intensive direct work on real IT systems, as they occur everywhere in everyday business. Theory and practice thus support each other and build up lasting knowledge and competence, which enable successful learning and facilitate a career entry later on.

erp4students is a study program that is designed and developed to be carried out alongside studies and apprenticeship and has been offered exclusively to students and apprentices since 2006. erp4students offers students and apprentices the opportunity to deal intensively with the topic of Enterprise Resource Planning and other SAP areas next to their studies or apprenticeships and to build up corresponding skills. This gives the program participants a clear competitive advantage on the job market over other graduates. In order to practically deepen the learned, theoretical basics of a program, participants work online on a living SAP system while participating in the program. The

erp4students program includes a variety of programs, each of which focuses on different aspects of SAP SE products. The base of our program offering is the program „End-to-End Business Processes with SAP S/4HANA Cloud (IEE2E)“. Seven further sub-areas build up on this program\*:

- » SAP BW/4HANA
- » SAP Analytics Cloud (SAC)
- » SAP S/4HANA FI
- » SAP S/4HANA CO
- » SAP S/4HANA MM
- » SAP S/4HANA SD
- » SAP S/4HANA PPS
- » SAP S/4HANA Customizing
- » ABAP Programming

The Brandenburg University of Applied Sciences (THB) is one of the first universities to use SAP software in teaching. Prof. Robert Franz (picture) worked for several years at SAP as a development manager (focusing on training, development, and sales) before moving to the THB in 2004. At the



THB he is a professor for Business Applications in Computer Science in the economics department. Prof. Franz's chair has implemented several innovative projects in the SAP environment in recent years, such as:

- for 18 years the Berlin-Brandenburg SAP-Forum,
- SAP Next-Gen project with the grid company Berlin-Brandenburg (NBB),
- student teams at InnoJams at TechEd in Berlin, Madrid and eBIT in Hannover, and
- global train-the-trainer courses in Greece, Turkey, VAE, Saudi-Arabia, Spain, and Hungary.

In the spring semester of 2006, the „trial run“ of the first SAP program by erp4students took place - and with great success! erp4students has been successively expanded by now. Currently, students from all over the world can take part in the programs. The range of programs has grown to 17 and is offered in German and English language. To date, tens of thousands of students have been able to obtain an SAP certification thanks to erp4students.

The aim of the Brandenburg University of Applied Sciences (THB) is to bundle the competencies of the erp4students team and the THB, and to achieve synergy effects that bring both sides even further forward and from which students - and you as a prospect program participant - ultimately benefit.

\*erp4students is currently offering programs in the fields of SAP S/4HANA Cloud, SAP FI, CO, MM, and SD with SAP S/4HANA as well as SAP Analytics Cloud in your region.

More modules and programs will be available in the near future.

## COOPERATION WITH SAP UNIVERSITY ALLIANCES

The Brandenburg University of Applied Sciences (THB) has been working in close partnership with the SAP University Alliances (SAP UA) and SAP Next-Gen for more than 20 years. Immediately after the initiation of the erp4students project, SAP UA was enthusiastic about the idea of developing an e-learning offer regarding SAP topics and which is specifically for students. When the necessary agreements were made and erp4students was launched, SAP UA soon declared it as a pilot project in order to emphasize the exclusive status of the project. In the meantime, SAP UA has made erp4students its strategic online partner for academic teaching, from which a wide variety of parties benefit.

The clear focus that the program management sets is to offer students and apprentices the best possible

SAP training that they can get alongside their studies or apprenticeship. The aim must be to make it easier for the participants to start their careers by providing them with certificates in SAP topics, thereby significantly increasing their career opportunities. And all of this - due to the cooperation with SAP University Alliances - at particularly favorable and student- and apprentice-friendly conditions that can't be found anywhere else for non-students and non-apprentices.



**SAP**  
**University**  
**Alliances**

## CONTACT

In case you have any further questions, or you want inquire in detail about a program or the program in general, we are happy to help you. You are welcome to visit our website, send us an email or call us directly.



**Program Manager:**  
**Pouyan Khatami, Dipl. Wirt.-Inf.**

**WEBSITE**

**WWW.ERP4STUDENTS.US**

**E-MAIL**

**INFO@ERP4STUDENTS.ORG**

**TELEFON (EU)**

**+1 530 5889628**



**/ERP4STUDENTS #ERP4STUDENTS**

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