

## Services for teaching, research and co-innovation

SAP University Alliances is a global program that provides more than 3,000 universities with free SAP software licenses for academic purposes. Within this program the SAP University Competence Centers (UCC) host SAP solutions for teaching, research and co-innovation.

In addition, UCCs develop and manage academic teaching materials to assist lecturers and researchers. While UCCs assure 24/7 availability of complex system landscapes and support users closely, faculty members can fully concentrate on their core competencies: teaching and research.

By using our scenario-based and practical curricula on latest SAP solutions, lecturers and students can reach their full potential. Our comprehensive teaching materials consist of presentations, case studies and hands-on exercises. Additional teaching tools facilitate continuous student assessments and foster group discussions.

Our experts can support you through all phases.

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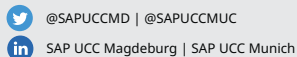
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## SAP BTP Pro-Code

Teaching and Learning Environment  
SAP UCC

Also available:



# Application Development on the SAP Business Technology Platform

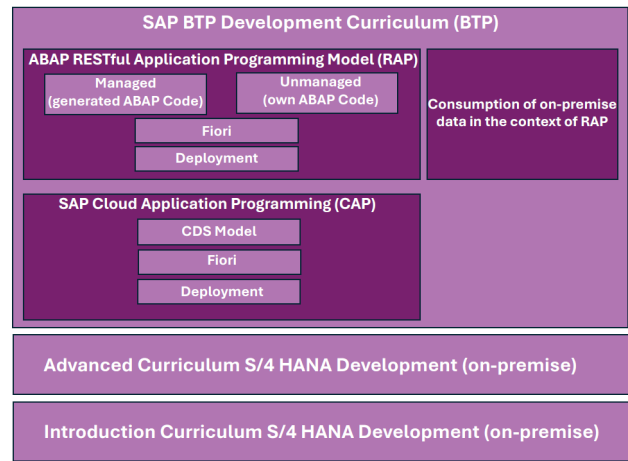
With SAP Business Technology Platform (BTP), SAP offers a cloud platform, that, in addition to many other functions, also provides numerous modules and services for development, extension and integration projects. This opens up new ways of pursuing the "keep the core clean" approach – in other words, keeping your own SAP systems as close to the standard as possible. This supports the goal of making future upgrades and release changes easier and faster.

Teach how to develop your own applications on the BTP! Use presentations and case studies to teach your students how to use different programming models and concepts. The curriculum is designed primarily for Computer Science and Information Systems students, who have a basic understanding of ABAP and SAPUI5 programming.

## Development Environment

This curriculum is mainly based on SAP BTP Cloud Foundry and SAP BTP ABAP Environment. It uses SAP Business Application Studio (BAS) and the ABAP Development Tools in Eclipse to create and manage applications. The SAP Cloud Connector enables the integration with an on-premise system.

## Content



## Introduction to Pro-Code Development with SAP BTP

**Presentation:** Introduction to the SAP BTP and its development environment

**Case study:** Creation of a cloud project (IDE: Eclipse), and creation of a dev space and login to Cloud Foundry (IDE: BAS)

## ABAP RESTful Application Programming Model (RAP)

**Presentation:** Introduction to the main components and architecture of RAP

**Case studies:** Creation of RAP applications in managed and unmanaged scenarios (IDE: BAS + Eclipse)

## Integration with an On-premise System

**Presentation:** Introduction to the SAP Cloud Connector, connections, and destinations as well as key elements of RAP with on-premise integration

**Case study:** Creation of a RAP application fetching data from an on-premise system (IDE: BAS + Eclipse)

## Cloud Application Programming (CAP)

**Presentation:** Introduction to the main components and architecture of CAP

**Case study:** Creation of a CAP application (IDE: BAS)