

Goals

- Learn the fundamental concepts of the ABAP programming language
- Efficiently use the ABAP Workbench tools
- Create simple application programs with user dialogs (list, selection screen, screens, Web Dynpro) and database dialogs (reading from the database)

Audience

- Developer
- Developer Consultant
- Help Desk / COE Support
- Program / Project Manager

Prerequisites

Essential

- [BC100](#) or previous programming language experience

Recommended

- [SAPTEC](#)

Course based on software release

- SAP NetWeaver AS 7.40; SAP ECC 6.17

Content

- Flow of an ABAP Program
 - Describing the Processing of ABAP Programs
- ABAP Workbench Introduction
 - Introducing the ABAP Development Environment
 - Organizing ABAP Developments
 - Developing Programs
 - Finalizing Development
- Basic ABAP Language Elements
 - Defining Elementary Data Objects
 - Using Basic ABAP Statements
 - Working with the ABAP Debugger
- Modularization
 - Introducing Modularization
 - Modularizing Using Subroutines

- Modularizing Using Function Modules
 - Implementing Function Modules
 - Modularizing Using BAPIs
 - Modularizing Using Global Classes
 - Implementing Simple Global Classes and Static Methods
 - Modularizing Using Local Classes
- Complex Data Objects
 - Working with Structures
 - Working with Internal Tables
- Data Modeling and Data Retrieval
 - Modeling Data
 - Reading Single Database Records
 - Reading Multiple Database Records
 - Handling Other Aspects of Database Access
 - Working with Authorization Checks
- Classic ABAP Report
 - Implementing ABAP Lists
 - Implementing Selection Screens
 - Implementing Events of ABAP Reports
- Screen
 - Creating Screens
 - Creating Input/Output Fields
 - Implementing Data Transport
- SAP List Viewer
 - Using the SAP List Viewer
- Web Dynpro ABAP
 - Describing Web Dynpro ABAP
 - Implementing Navigation in Web Dynpro
 - Implementing Data Transport in Web Dynpro
- Program Analysis Tools
 - Using the Code Inspector
- ABAP Development Tools for SAP NetWeaver
 - Describing ABAP Development Tools for SAP NetWeaver
 - Creating an ABAP Project in Eclipse
- SAP Standard Software Adjustments
 - Adjusting the SAP Standard Software