

SAP ABAP on HANA

Certification Training

Detailed 9-Week Curriculum

ABAP Workbench · OOABAP & Enhancements · ABAP on HANA (CDS/AMDP) · Placement Support for Canada & USA

9 Weeks	Live + Recorded	C_ABAPD Ready	Placement Support
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Programme Overview

VoiSAP's SAP ABAP on HANA Certification Training is a 9-week, live, instructor-led programme that takes learners from SAP fundamentals to job-ready ABAP developer. The course combines live online classes, hands-on access to a dedicated SAP training server, real development projects, and structured placement support for the Canadian and US job markets.

Format	Live online classes + lifetime access to recordings
Duration	9 weeks (~4.5–8 hours per week)
Server Access	Dedicated SAP training server, 24/7 for the full programme
Certification Prep	Aligned to SAP C_ABAPD (SAP Certified Development Associate)
Projects	Real development projects across reports, dialog programming, enhancements, OOABAP, interf
Placement Support	Resume building, LinkedIn optimisation, mock interviews, hiring-partner referrals
Who It's For	IT/CS graduates, functional consultants adding technical skills, career switchers, and developers

Week-by-Week Structure

Week	Phase	Focus
W1	Foundations	SAP & ABAP Workbench Fundamentals
W2	Core Programming	ABAP Programming Fundamentals
W3	Data Layer	ABAP Dictionary (Data Dictionary)
W4	Reporting	Reports — Classical, Interactive & ALV
W5	Dialog Programming	Module Pool Programming
W6	Enhancements & OOABAP	Enhancements, BADIs & Object-Oriented ABAP
W7	Forms & Interfaces	SmartForms, Adobe Forms & Interfaces
W8	ABAP on HANA	ABAP on HANA & Performance Optimization
W9	Project & Placement	Capstone Project + Certification & Placement Prep

Detailed Weekly Curriculum

W1**FOUNDATIONS****SAP & ABAP Workbench Fundamentals****4 hrs**

Getting started with the SAP development ecosystem

- ✓ Introduction to ERP & Why SAP?
- ✓ SAP System Architecture & Landscape
- ✓ SAP GUI Navigation & Key Transactions
- ✓ ABAP Workbench (SE80) Overview
- ✓ Program Structure & Your First ABAP Program
- ✓ SAP S/4HANA vs ECC — Key Differences 2026

W2**CORE PROGRAMMING****ABAP Programming Fundamentals****5 hrs**

Variables, logic & modularization

- ✓ Data Types, Variables & Operators
- ✓ Internal Tables & Work Areas
- ✓ Control Structures — Loops & Conditionals
- ✓ Modularization — Subroutines & Function Modules
- ✓ String & Date Operations
- ✓ Structured Programming Best Practices
- ✓ Debugging Basics
- ✓ Naming Conventions & Code Standards

W3**DATA LAYER****ABAP Dictionary (Data Dictionary)****4.5 hrs**

The data foundation everything else builds on

- ✓ Tables, Structures & Views
- ✓ Domains & Data Elements
- ✓ Search Helps & Lock Objects
- ✓ Table Maintenance Generator
- ✓ Foreign Keys & Relationships
- ✓ Database Indexes & Performance Basics
- ✓ Open SQL — Reading & Writing Data
- ✓ Data Dictionary Best Practices

W4**REPORTING****Reports — Classical, Interactive & ALV**

Building the reports businesses actually use

5 hrs

- ✓ Classical Report Programming
- ✓ Selection Screens & Parameters
- ✓ Interactive Reports — Drill-Down
- ✓ ALV Grid Reports — Display & Events
- ✓ ALV Sorting, Filtering & Totals
- ✓ Export to Excel & Print Layouts
- ✓ Report Performance Optimization
- ✓ Building a Custom Sales/Inventory Report

W5**DIALOG PROGRAMMING****Module Pool Programming**

Building custom transaction screens

5 hrs

- ✓ Screen Painter Basics
- ✓ Menu Painter & GUI Status
- ✓ PBO & PAI Event Processing
- ✓ Field & Screen Validations
- ✓ Table Controls & Tab Strips
- ✓ Subscreens & Custom Controls
- ✓ Error Handling in Dialog Programs
- ✓ Building a Custom Transaction Screen

W6**ENHANCEMENTS & OOABAP****Enhancements, BAdIs & Object-Oriented ABAP**

Safely extending standard SAP + OOABAP basics

5 hrs

- ✓ User Exits & Customer Exits
- ✓ Business Add-Ins (BAdIs)
- ✓ Enhancement Framework & Implicit Enhancements
- ✓ Classes, Interfaces & Inheritance
- ✓ Polymorphism in ABAP
- ✓ Applying OOABAP to Real Development
- ✓ When to Enhance vs When to Modify
- ✓ Building a Custom BAdI Enhancement

W7**FORMS & INTERFACES****SmartForms, Adobe Forms & Interfaces**

Business documents and connecting to other systems

4.5 hrs

- ✓ SmartForms Design & Logic
- ✓ Adobe Forms Basics
- ✓ Building an Invoice/Purchase Order Output
- ✓ BAPIs — Structure & Usage
- ✓ Remote Function Calls (RFCs)
- ✓ IDoc-Based Interfaces
- ✓ Inbound & Outbound Interface Design
- ✓ Interface Error Handling & Monitoring

W8**ABAP ON HANA****ABAP on HANA & Performance Optimization**

The current standard for S/4HANA development

5 hrs

- ✓ CDS Views (Core Data Services)
- ✓ AMDP — ABAP Managed Database Procedures
- ✓ Code Pushdown Principles
- ✓ The ABAP Debugger in Practice
- ✓ Runtime Analysis (SAT) & Performance Tuning
- ✓ SQL Performance Best Practices
- ✓ Building a CDS View on HANA
- ✓ SAP Fiori — How ABAP Connects to the Frontend

W9**PROJECT & PLACEMENT****Capstone Project + Certification & Placement Prep**

Integrate everything — get job-ready

8 hrs

- ✓ End-to-End Custom Development Project
- ✓ Combining Reports, Enhancements & Interfaces
- ✓ Code Review & Documentation Practices
- ✓ SAP ABAP on HANA Interview Deep-Dive (100+ Q)
- ✓ Certification Exam Strategy Overview
- ✓ Resume Review & LinkedIn Optimisation
- ✓ Mock Interview Round 1 — Technical
- ✓ Mock Interview Round 2 — Scenario-Based

Certification

Upon successful completion, students receive an official **VoiSAP Certificate of Completion in SAP ABAP on HANA**, signed by our Lead ABAP Trainer. The full curriculum is aligned with the official **SAP C_ABAPD** exam (SAP Certified Development Associate), covering every exam domain: ABAP Workbench fundamentals, the Data Dictionary, program development, enhancements, and ABAP on HANA-specific features including CDS Views.

- ✓ LinkedIn-shareable Certificate of Completion
- ✓ Full alignment with SAP C_ABAPD exam objectives
- ✓ Recognised by VoiSAP's 200+ hiring partners across Canada & USA
- ✓ Certification exam strategy session included in Week 9

Placement Support

Every student who completes the full 9-week programme and actively engages with placement support receives: ATS-optimised resume rebuilding, LinkedIn profile optimisation, technical and scenario-based mock interviews, and direct referrals to VoiSAP's hiring-partner network across Canada and the USA.

Placement success rate: 86%, based on VoiSAP graduate outcome data among students who completed the full programme and actively engaged with placement support. Individual outcomes vary and are not guaranteed.

Ready to get started?

Book a free demo class to see the curriculum, meet your trainer, and get your questions about the Canadian & US SAP job market answered.

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VoiSAP is an independent SAP training and placement provider serving learners across Canada, the USA, and India. This curriculum is subject to updates as SAP releases new product versions and exam objectives.