Access Programming with VBA

Audience Access Programming with VBA Course
This course is intended for anyone who wants to learn how to use VBA, Visual Basic for Applications, and the DAO object model in Access to add functionality to forms, reports and databases.

Prerequisites Course Access Programming with VBA
Knowledge of and experience with Access is required to participate in this course. Programming experience is beneficial to a proper understanding.

Realization Training Access Programming with VBA
The theory is discussed on the basis of presentation slides. Illustrative demos provide further clarification of the concepts. The theory is interspersed with practical exercises.

Certification Access Programming with VBA
After successful completion of the course the participants receive an official certificate Access Programming with VBA.

Duration: 2 days   **Price: € 1299**

Open Schedule

VBA Access Programming

Content Access Programming with VBA

In the course Access Programming with VBA you will learn to provide the Microsoft Access Database with extra functionality with Visual Basic for Applications (VBA). Access is a relational database application that is part of the Microsoft Office package. Access uses a graphical interface, which makes it possible for less advanced users to build a database. Access also includes functionality to build a frontend. However with VBA you can add even more functionality to Access.

Intro VBA
The course VBA Access Programming starts with a discussion of the VBA Editor, entering code and executing the code step by step with the debugger.

VBA Syntax
Next the syntax of VBA is discussed with variables, operators, procedures, functions, parameters, objects and modules.

Control Flow
Also covered is how to control the output of the code by means of if and else statements, select clauses and for loops. Arrays are then also addressed.

Events
Events are generated by user interaction such as pressing buttons or entering commands via the keyboard. These events are important for controlling Access and should be handled in event procedures.

Forms
Additionally attention is paid to how you can give forms and reports more functionality with VBA Access.

DAO
Finally the Data Access Object model (DAO) and its properties and functions are discussed. With DAO and VBA information can be retrieved from any Access database and the data can be sorted and filtered. With DAO it is also possible to connect to Access databases from Word and Excel with VBA.

Modules Access Programming with VBA

Module 1 : VBA Intro	Module 2 : VBA Syntax	Module 3 : Control flow
Visual Basic Editor	Variables	If Statements
Programming in VBA	Constants	Else Statements
Entering Code	Operators	If Then Else
VBA Code	Parameters	Select case
Statements	Arguments	For Next
Comments	Procedures	Do Loop
Stepwise Execution	Functions	Arrays in VBA
Breakpoints	Modules	Multidimensional Arrays
Debugging	Objects	Dynamic Array Declaration
Module 4 : Events	**Module 5 : Forms**	**Module 6 : DAO**
What are Events?	Form	What is DAO?
Event Types	Data Coupling	Data Access Objects
Reacting on events	Using Autolookup Queries	Searching Information
Handling Events	Form Synchronization	Work Groups
Event Functions	Control Elements and Fields	Record Sets
Domain Functions	Calculated Query Fields	Word Database Access
MsgBox in VBA	Commands from Access	Excel Database Access