

This course combines topics from the following courses (any items marked with a \* will be covered if time allows).

Topics taken from our **EXCEL VBA MACROS** course

<p><b>Recording macros and buttons</b></p> <ul style="list-style-type: none"> <li>• Absolute and relative recording</li> <li>• Where macros can be stored</li> <li>• Assigning macros to buttons</li> </ul> <p><b>Selecting cells</b></p> <ul style="list-style-type: none"> <li>• Selecting cells (absolute)</li> <li>• Selecting cells (relative)</li> <li>• Selecting to the end of a block</li> <li>• Selecting a range by its corners</li> </ul> <p><b>The VB code editor</b></p> <ul style="list-style-type: none"> <li>• Using Project Explorer</li> <li>• Creating modules</li> <li>• Basic subroutines and comments</li> </ul> <p><b>Messages and variables</b></p> <ul style="list-style-type: none"> <li>• Input boxes and message boxes</li> <li>• Declaring variables</li> <li>• Option Explicit</li> <li>• Scope of variables</li> <li>• Constants</li> </ul>	<p><b>Visual Basic explained</b></p> <ul style="list-style-type: none"> <li>• The Excel object model</li> <li>• Objects and collections</li> <li>• Methods and properties</li> <li>• Getting help in VBA</li> </ul> <p><b>Loops and conditions</b></p> <ul style="list-style-type: none"> <li>• Simple IF conditions</li> <li>• Multiple IF and SELECT / CASE</li> <li>• Three main types of loop</li> </ul> <p><b>Looping over collections</b></p> <ul style="list-style-type: none"> <li>• Object variables</li> <li>• Looping over collections</li> </ul> <p><b>Event handling</b></p> <ul style="list-style-type: none"> <li>• Assigning macros to events</li> <li>• Cancelling events</li> </ul>	<p><b>Functions</b></p> <ul style="list-style-type: none"> <li>• Declaring functions</li> <li>• Passing arguments</li> </ul> <p><b>Debugging and error handling</b></p> <ul style="list-style-type: none"> <li>• Setting breakpoints</li> <li>• Stepping through macros</li> <li>• ON ERROR statements</li> </ul> <p><b>Forms</b></p> <ul style="list-style-type: none"> <li>• Drawing forms</li> <li>• Attaching macros to controls</li> <li>• Validating form input</li> </ul>
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Topics taken from our **ADVANCED VBA** course

<b>Links to other applications</b> <ul style="list-style-type: none"><li>Referencing other applications</li><li>Instantiating objects</li><li>Writing inter-application code</li></ul>	<b>Working with text files</b> <ul style="list-style-type: none"><li>Avoiding using INPUT/OUTPUT</li><li>Reading and writing text files</li></ul>	<b>Passing arguments</b> <ul style="list-style-type: none"><li>ByRef and ByVal</li><li>Using optional arguments</li><li>Using ParamArray</li></ul>
<b>FileSystemObjects</b> <ul style="list-style-type: none"><li>Referencing FileSystemObjects</li><li>Working with files and folders</li></ul>	<b>Linking to data (*)</b> <ul style="list-style-type: none"><li>ADO or Access Database Engine</li><li>Referencing the right library</li><li>Opening and using recordsets</li></ul>	<b>Advanced programming ideas (*)</b> <ul style="list-style-type: none"><li>Using functions in code</li><li>Recursive programming</li><li>Enumerations</li></ul>
<b>FileDialogs</b> <ul style="list-style-type: none"><li>Using FileDialogs</li><li>Allowing multiple selection</li></ul>	<b>Arrays</b> <ul style="list-style-type: none"><li>Creating and populating arrays</li><li>Dynamic arrays</li><li>The PRESERVE keyword</li></ul>	<b>Working with shapes (*)</b> <ul style="list-style-type: none"><li>Adding shapes</li><li>Positioning shapes</li><li>Formatting shapes</li></ul>

Maximum 6 people per course. Scheduled classroom courses include lunch at a local restaurant; you can see how our online training works [here](#). For more information, see <https://www.wiseowl.co.uk/>.