



This course covers the following topics (any items marked with a * will be covered if time allows):

<p>SSIS basics</p> <ul style="list-style-type: none">• Solutions and projects• Basic packages• Control and data flow tasks• The 32-bit question <p>Data flow tasks</p> <ul style="list-style-type: none">• Connection managers• Sources and destinations <p>Using different data connections</p> <ul style="list-style-type: none">• SQL Server (OLEDB)• Connecting to Excel workbooks• New and existing flat files• Multiple flat files <p>Data viewers</p> <ul style="list-style-type: none">• Attaching data viewers• Data buffers <p>Basic data transforms</p> <ul style="list-style-type: none">• Sorting and aggregating• Sampling data• Dividing and uniting data <p>Data conversion transforms</p> <ul style="list-style-type: none">• The SSIS data types• Unicode and ASCII data• Type cast functions <p>Variables and expressions</p> <ul style="list-style-type: none">• The Row Count transform• User and system variables• Expression tasks	<p>Debugging</p> <ul style="list-style-type: none">• Setting breakpoints• The Locals window <p>Derived column transforms</p> <ul style="list-style-type: none">• SSIS expressions• Using SSIS functions• Using the conditional operator <p>Handling errors</p> <ul style="list-style-type: none">• Redirecting and ignoring errors• Truncation errors <p>Conditional split transforms</p> <ul style="list-style-type: none">• Splitting data by expression• Using comparison operators• Syntax for multiple conditions <p>Lookup transforms</p> <ul style="list-style-type: none">• Redirecting unmatched rows• Choosing a cache mode• Setting unmatched rows to Unknown• Adding unmatched rows automatically <p>File system tasks</p> <ul style="list-style-type: none">• Working with files• Working with folders <p>Looping over files</p> <ul style="list-style-type: none">• The file name variable• Configuring the loop• Expression constraints	<p>Importing multiple files</p> <ul style="list-style-type: none">• Using expressions for connections• Dynamic connections within loops <p>Looping over rows (*)</p> <ul style="list-style-type: none">• Object variables• Reading in data• Looping over ADO rows• Dynamic connection strings <p>Using parameter placeholders</p> <ul style="list-style-type: none">• Using the ? Symbol• Mapping parameters <p>Merge joins</p> <ul style="list-style-type: none">• How they work• Comparing two data sets <p>Basic deployment</p> <ul style="list-style-type: none">• Project-level deployment• Creating a catalog• Deploying and viewing in SSMS <p>Using parameters (*)</p> <ul style="list-style-type: none">• Package and project parameters• Using parameters in expressions• Deploying parameters• Why to avoid environments
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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/>.