



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

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

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/>.