



CIT Engineering NV

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LabVIEW Basics

This hands-on training covers the basic principles which are necessary to program with LabVIEW.

Course details:

- Course material, refreshments and sandwiches included.
- Duration 3 days

Day 1	Day 2	Day 3
<p>Realisation phases project:</p> <ul style="list-style-type: none">• Front panel• Diagram• Icon and connector• Hierarchy• Debugging <p>Structures in LabVIEW:</p> <ul style="list-style-type: none">• For and while loop• Case structure• Sequence• Formula node• Event Structure <p>Application:</p> <ul style="list-style-type: none">• Project• Executable	<p>Arrays:</p> <ul style="list-style-type: none">• Basic treatments• Graphic performance<ul style="list-style-type: none">◦ Charts vs Graphs◦ X-Y graphs◦ Intensity <p>Strings:</p> <ul style="list-style-type: none">• Introduction• Structure of commands• Information from strings <p>Clusters</p> <p>Exception Handling</p>	<p>File I/O:</p> <ul style="list-style-type: none">• Overview• ASCII Files <p>Special programming techniques:</p> <ul style="list-style-type: none">• Local and Global variables• Mechanical action• VI setup <p>Hardware integration:</p> <ul style="list-style-type: none">• Overview• Serial and VISA• GPIB and VISA• DAQ <p>Case study:</p> <ul style="list-style-type: none">• Program building• Weather station