

ISO Programming Course

Title: Basic Milling Course for Fanuc Controls Oi-M/16i-M/18i-M/21i-M /3xi.

Duration: 3 Days

Day 1	Start	Finish
<p>General Layout of Machine & Keyboard Explanation Axes Configuration. Program Memory Arrangement How to edit a program and create new Tool Offsets Work Offsets G10 Programmable data input How To Start making a Program. Safe Start. G20-G21 Inch-Metric, G40, etc. G Code Description Type A, B or C. M code descriptions Other addresses explained G94-G95 Feed/mm - Feed/rev.</p>	9:00am	4:00pm
Day 2	Start	Finish
<p>G00-G01 Rapid Traverse & Feed Rate Commands. Absolute & Incremental Programming, G90 & G91 G02-G03 Circular Interpolation using "R", "I" & "J". G17-G18-G19 Plane Selection Helical Interpolation. G28 Reference Point return. G30 Setting 2nd, 3rd, 4th Reference Point return. Test piece for G01 - absolute and incremental Test piece for G02/G03 - absolute and incremental How To End a Program. M02, M30. M98-M99 Sub-Program use & nesting. G43 & H Offset G41-G42 Cutter Compensation G80-G89 Canned Cycles for Drilling, Tapping & Boring etc. G98-G99 Initial & Return Heights G04 Dwell Test Piece 1</p>	9:00am	4:00pm

Day 3	Start	Finish
	9:00am	4:00pm
Rigid Tapping Function & Explanation.		
Test Piece 2		
Test Piece 3		
C, R & A Direct Drawing Input.		
C & R Chamfer Corner Radius Function.		
Test Piece 4		
Test Piece 5		
Inputting and Outputting Programs (RS232 / Mem Card)		
Backing up the control		
P/S Alarms		
Brief Explanation of Macro Programming & uses. (See also Macro Course).		
Program your own component (if time left)		