



(The contents and other related details in this form is used for publication purpose only. Training module will be given to participants upon registration)

Course Title: CNC MILLING PROGRAMMING & MACHINING		Course Code : MMF 104
<u>Course Background/Summary :</u> <p>This is an introductory course of CNC machines and CNC programming by using the ISO Codes. This course uses FAGOR CNC controller as an input device. After writing the programming via the controllers, participants will be given exposure to programming simulation. By the end of this training, participants will execute a project using the CNC didactic milling machines and develop a product of their own.</p>		
<u>Course Objectives:</u> <ul style="list-style-type: none">• Analyze the automated machine tools used in mechanical manufacturing, related to Computer Numerical Control (CNC).• Draw up CNC programming to obtain products through mechanical manufacturing, based on manufacturing process and technical information.• Write a CNC program with an adequate structure and syntax• Enter the data by means of a keyboard or programming console using the appropriate language.• Simulate the program on screen and determine existing errors.• Modify the errors in the program detected during the simulation.• Execute the program using CNC didactic milling.		
<u>Target Audience:</u> <ul style="list-style-type: none">• Machines Operators and Suppliers• Teaching staffs (including vocational and technical teachers)• Industrial workers		
Course Duration :		Min:3 days, Max:5 days
Course Contents :		
No	TOPICS	
1	Introduction to CNC Milling & Programming	
2	Axes and Coordinate Systems	
3	Reference Systems	

UniKL MSI can also customize existing short courses and develop new courses to meet your personal training needs and requirements. The course duration serves as a guideline for your reference.

Please forward enquiries to Centre for Advancement & Continuing Education (ACE), University Kuala Lumpur (Malaysian Spanish Institute), Kulim Hi-Tech Park, 09000 Kulim, Kedah or via fax to:04-4032539 or email to syazrah@unikl.edu.my or call 04-4035199 / 200 (ext:112 / 185)



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4	Programming by ISO Code
5	Path Control
6	Additional Preparatory functions
7	Tool Compensation
8	Canned Cycles
9	Projects
COURSE STRUCTURE:	
Practical :	70%
Theory / Lab Works :	30%

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