



**UNIVERSITI KUALA LUMPUR**  
MALAYSIAN SPANISH INSTITUTE

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

<b>Course Title: DESIGN &amp; CONSTRUCTION OF ELECTRO PNEUMATIC CONTROL</b>		<b>Course Code : EEA 130</b>
<b>Course Background/Summary :</b> This course focuses on designing the fundamental of electric circuit control which will be adapted to electro-pneumatic controls; whereby the applications on the SMC training kits will expose the participants towards understanding how electro-pneumatic functions. Participants will be taught on elements of troubleshooting/fault finding.		
<b>Course Objectives:</b> <ul style="list-style-type: none"><li>• Define the fundamentals of electro-pneumatic components in term of components characteristics.</li><li>• Design the electrical control circuit and adapt the electrical control circuit to the electro-pneumatic circuit.</li><li>• Design and do fault finding of electro-pneumatic circuit.</li></ul>		
<b>Target Audience:</b> Electricians, Technicians, Engineers, Instructors		
<b>Course Duration :</b>	<b>Min:3 days, Max:5 days</b>	
<b>Course Contents :</b>		
<b>No</b>	<b>TOPICS</b>	
1	Electrical Control Circuit Assembly	
2	Electro-pneumatic circuit assembly	
3	Directional control valve	
4	Timer, Sensors, Counters	
5	Electro Pneumatic applications	
<b>COURSE STRUCTURE:</b>		
Practical :	80 %	
Theory :	20 %	

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@unikel.edu.my](mailto:syazrah@unikel.edu.my) or call 04-4035199 / 200 (ext:112 / 185)