

<b>COURSE TITLE</b>	<p style="text-align: center;"><b>METAL MACHINING CITYAND GUILDS QUALIFICATION (3529-09)</b></p>
<b>COURSE AIM</b>	<p>This programme is aimed at providing the knowledge on elevator related drawings and the terminology used within this industry. It also provides the knowledge on installing elevator components and the know how on related standards and regulations. It informs its trainees regarding the safety needed to work around electrical equipment and also on the methods of installing electrical installation and hydraulic elevators.</p>
<b>COURSE CONTENTS</b>	<ol style="list-style-type: none"> <li>1. <b><u>Health and Safety</u></b> <ol style="list-style-type: none"> <li>a. Select, use, clean and store personal protective equipment.</li> <li>b. Carry out safe working practices to prevent hazards and to ensure the safety of working personnel and members of the public.</li> <li>c. Use and store materials in a safe manner.</li> <li>d. Apply good housekeeping practices at all times.</li> <li>e. Demonstrate the use of safety devices on metal cutting machines.</li> <li>f. Hand and Machine Tools</li> <li>g. Select, use, clean and store tools applicable to workshop tasks.</li> </ol> </li>   <li>2. <b><u>Milling</u></b> <ol style="list-style-type: none"> <li>a. Vertical mill with end mill, slot mill and dovetail cutter.</li> <li>b. Use the dividing head on vertical and Horizontal Milling Machine.</li> <li>c. Construct planning sheets for milling operations.</li> </ol> </li>   <li>3. <b><u>Turning</u></b> <ol style="list-style-type: none"> <li>a. Select, use, clean and store personal protective equipment.</li> <li>b. Carry out general turning such as stepped shafts using fixed and traveling steadies.</li> <li>c. Drill, bore, counterbore, recess, chamfer, face and part off with work set in a chuck.</li> <li>d. Taper turn.</li> <li>e. Cut and chase screw threads.</li> <li>f. Form turn.</li> <li>g. Knurl surfaces</li> </ol> </li> </ol>
<b>DURATION</b>	166 Hours
<b>SCHEDULE</b>	Twice a week, evenings.



<b>VENUE</b>	At the ETC Training Complex in Hal Far.
<b>ELIGIBILITY</b>	Mature adults who are highly motivated to pursue further studies.
<b>FEE</b>	Nil
<b>CERTIFICATION</b>	Certificate of Achievement by ETC



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