

1. Title	Use general machining equipments
2. Code	EMCUIN101A
3. Range	Use general-purpose machining equipments for servicing, manufacturing and grinding at industrial plants. This unit of competency does not include the ability in making parts according to drawings.
4. Level	1
5. Credits	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Principles of machining equipments and code of safety</p> <ul style="list-style-type: none"> <li>◆ Understand the code of safety and operation of machining equipments</li> <li>◆ Understand major components of general machining equipments: the transmission part, the part to hold and rotate the work piece, and the part to hold and move the cutting tool</li> <li>◆ Understand the operation and limitations of general machining equipments</li> <li>◆ Understand how to choose and install general machine tools</li> </ul> <p>6.2 Use general machine tools correctly</p> <ul style="list-style-type: none"> <li>◆ Follow the codes of safety and operation to use common machining equipments correctly, including general lathes, milling machine, drilling machine, slotting machine, grinding machine, etc.</li> <li>◆ Capable to operate and adjust general machine tools, including: <ul style="list-style-type: none"> <li>• Cutting speed</li> <li>• Feeding method</li> <li>• Rotational speed adjustment</li> <li>• Feeding speed</li> <li>• Cutting depth</li> </ul> </li> <li>◆ Capable to maintain general machining equipments correctly, including routine cleaning</li> <li>◆ Capable to use general machining equipments for servicing, manufacturing and grinding simple electrical and mechanical parts</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to follow the codes of safety and operation procedures to correctly operate general lathe, milling machine, drilling machine, slotting machine, grinding machine, etc. for servicing, manufacturing and grinding simple electrical and mechanical parts.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic workshop mechanical knowledge.