

1. Title	Use computer to draw for complicated electrical engineering drawings
2. Code	EMCUDE316A
3. Range	Use computer to draw complicated electrical engineering drawings in electrical and mechanical workplaces.
4. Level	3
5. Credit	5
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Techniques and methods of using computer to draw electrical engineering drawings</p> <ul style="list-style-type: none"> <li>◆ Understand the techniques and methods of using computer to draw complicated electrical engineering drawings</li> </ul> <p>6.2 Use computer to draw complicated mechanical engineering drawings</p> <ul style="list-style-type: none"> <li>◆ Use the computer to draw complicated electrical engineering drawings according to design <ul style="list-style-type: none"> <li>• Draw the main circuit layout of multi-layer power system and electrical installation with protection device according to design</li> <li>• Draw the circuit wiring layout of multi-layer power system and electrical installation with protective and control equipment according to design</li> <li>• Draw the complex control circuit layout according to design <ul style="list-style-type: none"> <li>▸ Logic electronic circuit</li> <li>▸ Electrical and electronic control equipment circuits</li> </ul> </li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to draw a main circuit layout, control circuit layout and wiring layout of an electrical installation, including the electrical and electronic control equipment, according to design; and</p> <p>(ii) Capable to integrate several electrical distribution and wiring layouts into a comprehensive power supply and wiring layout for a multi-storey building according to design.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of drawing basic electrical and mechanical drawings with computer.