

1. Title	Master the construction, working principles, operation, repair and maintenance of various kinds of electrical products
2. Code	EMELOR202A
3. Range	Master the construction, working principles, operation, repair and maintenance of various kinds of electrical products.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the construction and working principles of various kinds of electrical products</p> <ul style="list-style-type: none"> <li>◆ Understand the basic construction and working principles of various kinds of electrical products including electric heating products, small electric motors and refrigeration products</li> <li>◆ Understand basic operation, repair and maintenance of various kinds of electrical products</li> </ul> <p>6.2 Master general operation, repair and maintenance of various kinds of electrical products</p> <ul style="list-style-type: none"> <li>◆ Understand various types of electrical products using thermal effects of current, such as electric oven, electric water heater, hot melt machine and electric stove</li> <li>◆ Understand the basic construction and working principles of general small electric motors and related electrical products such as exhaust fan, portable power drill, power saw and grinding machine</li> <li>◆ Understand the working principles of mechanical refrigeration system, and electrical products using cooling circulation system, such as: refrigerator, water cooler, dehumidifier and air-conditioner</li> <li>◆ Master the operation, repair and maintenance of various kinds of electrical products, including regular inspection</li> <li>◆ Master the causes, troubleshooting and repair of 跳火, short circuit, overheat and overcurrent of general electrical products</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to understand the construction and working principles of various kinds of electrical products; and</p> <p>(ii) Capable to master the operation, repair and maintenance of various kinds of electrical products.</p>
8. Remarks	