

1. Title	Select and use advanced and specialized skills to support electrical engineering design
2. Code	EMELDE511A
3. Range	Applicable to electrical engineering design. Select and use a series of advanced and specialized technical skills to support and enhance electrical engineering design efficiency and quality.
4. Level	5
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand advanced and specialized technical skills in electrical engineering</p> <ul style="list-style-type: none"> <li>◆ Understand a series of advanced and specialized technical skills in electrical engineering such as the application of renewable energy, small renewable energy generation systems and connection of power grids, etc.</li> <li>◆ Understand the uses and strengths and weaknesses of technologies commonly used</li> </ul> <p>6.2 Select and use advanced and specialized skills to support related electrical engineering design</p> <ul style="list-style-type: none"> <li>◆ Analyze, re-organize and assess different data and information, make suitable judgement and use advanced and specialized skills to formulate design solutions and drawings</li> <li>◆ Select and use advanced and specialized skills to support established practices in electrical engineering design including using various types of computer aided design software to support and enhance work efficiency and quality, implementing planning, design and management tasks, etc.</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to select and use advanced and specialized skills to enhance current electrical engineering design performance and quality.</p>
8. Remarks	