

1. Title	Install packaged air-conditioning systems
2. Code	EMACIN307A
3. Range	Install various types of packaged air-conditioning systems and relevant equipment at installation sites.
4. Level	3
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of installing packaged air-conditioning systems</p> <ul style="list-style-type: none"> <li>◆ Understand the construction, characteristics and operating process of packaged air-conditioning systems, including being able to: <ul style="list-style-type: none"> <li>• Illustrate the construction, characteristics and operating process of air-cooled packaged air-conditioning systems</li> <li>• Illustrate the construction, characteristics and operating principles of water-cooled packaged air-conditioning systems</li> </ul> </li> <li>◆ Draw the component layouts for air-cooled packaged air-conditioning systems</li> <li>◆ Draw the component layouts for water-cooled packaged air-conditioning systems</li> <li>◆ Draw cooling water circulation diagram</li> </ul> <p>6.2 Methods and procedures of installing packaged air-conditioning systems</p> <ul style="list-style-type: none"> <li>◆ Install water-cooled packaged air-conditioning systems, including being able to: <ul style="list-style-type: none"> <li>• Select suitable locations for the installation of water-cooled packaged air-conditioning systems</li> <li>• Install the water-cooled packaged air-conditioning systems tight and firm at suitable locations</li> <li>• Install suitable vibration reduction system properly</li> </ul> </li> <li>◆ Install cooling tower, including being able to: <ul style="list-style-type: none"> <li>• Install cooling tower and its cooling water pipes and accessories</li> <li>• Install cooling water filling tank</li> </ul> </li> <li>◆ Install air-cooled packaged air-conditioning systems, including being able to: <ul style="list-style-type: none"> <li>• Select suitable locations for the installation of air-cooled packaged air-conditioning systems</li> <li>• Install the air-cooled packaged air-conditioning systems tight and firm at suitable locations</li> </ul> </li> </ul>

	<p>6.3 Professionalism in installing packaged air-conditioning systems</p> <ul style="list-style-type: none"> <li>◆ Install various types of packaged air-conditioning systems and relevant equipment according to drawings and installation specifications</li> <li>◆ Understand the safety guidelines as required by the law and the code of practice to carry out installation of packaged air-conditioning systems</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to complete the installation of various types of packaged air-conditioning systems systematically and efficiently.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses elementary knowledge and skills of installing packaged air-conditioning systems.</p>