

1. Title	Install and commission commercial and industrial gas appliances
2. Code	EMGAI302A
3. Range	Use suitable materials and processes to install and commission commercial and industrial gas appliances in commercial and industrial premises.
4. Level	3
5. Credits	7
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of installing and commissioning commercial and industrial gas appliances</p> <ul style="list-style-type: none"> ◆ List positions and environments not suitable for flued gas appliance and flue duct installation ◆ List the definition of unsafe gas appliance ◆ List out points to note for using gas appliances <p>6.2 Methods and procedures of installing and commissioning commercial and industrial gas appliances</p> <ul style="list-style-type: none"> ◆ Inspect construction work relevant to gas appliance flue installation, and exhaust facilities and safety distance required ◆ Carry out commissioning for commercial and industrial gas appliances ◆ Conduct combustion and exhaust testing correctly for commercial and industrial gas appliances ◆ Test the functions of safety equipment correctly ◆ Install the electrical part of commercial and industrial gas appliances ◆ Locate the installation position of gas appliances according to the working drawing ◆ Install commercial and industrial gas appliances ◆ Brief users on points to note for using and maintaining the appliances

	<p>6.3 Professional knowledge and responsibilities for installing and commissioning commercial and industrial gas appliances</p> <ul style="list-style-type: none"> ◆ Apply all the provisions in the Gas Safety (Installation and Use) Regulations under the Gas Safety Ordinance, Cap. 51 ◆ Apply all the provisions in the Code of Practice GU03 on [Installation Requirements for Domestic Gas Water Heaters] ◆ Apply all the provisions in the Gas Utilisation Code of Practice GU06 on [LPG Installations for Catering Purposes in Commercial Premises] ◆ Apply all the provisions in the Gas Utilisation Guidance Note GU12 on [Installation of Mechanical Exhaust System for Gas Appliances] ◆ Apply other gas related regulations and codes of practice
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to use suitable materials and procedures to install and commission commercial and industrial gas appliances in commercial and industrial premises.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMGADE101A 【Basic knowledge of gas application】 , EMGAIT205A 【Install domestic flue gas appliances】 and EMGAIT206A 【Install domestic flueless gas appliances】 .</p>