



# Service Type A Gas Appliances Skill Set

State ID: GAA37

## About this course

**Applicants must hold a G Class gas permit from Energy Safety W.A.**

This course will train and assess students in the skills and knowledge required to competently service Type A gas appliances.

Students completing this course can apply to Energy Safety W.A. to have 'Servicing' endorsed on their G Class permit.

Students will need to conduct self-directed computer based training using Blackboard.

Course Outline:

- basic electrical theory
- characteristics of electromotive force (EMF)
- characteristics of fuses
- circuit breakers
- residual current devices and earthing systems
- combustion characteristics and effects
- conduction
- current flow
- ignition systems
- insulation
- isolation procedures

- Ohm's law
- burners and burner adjustment
- characteristics of conversion from one gas type to another
- classification of appliances and identification of related components
- electrical safety, including isolation procedures and requisite precautions
- gas appliance regulators
- gas appliance thermostats
- gas safety, including:
  - combustion characteristics and effects
  - isolation procedures
  - job safety analysis (JSA) and safe work method statements (SWMS)
  - operation of flame failure systems used in Type A gas appliances

## Overview