

Job description

An electronic equipment trades worker maintains, repairs and adjusts electronic equipment for commercial and office machines such as fax machines, computers, cash registers and photocopiers. They may also repair video cameras, televisions, video cassette recorders, compact disc players, radio equipment and accessories.

An electronic equipment trades worker work in a range of industries including manufacturing, retail, and wholesale industries. They may also work as self-employed contactors.

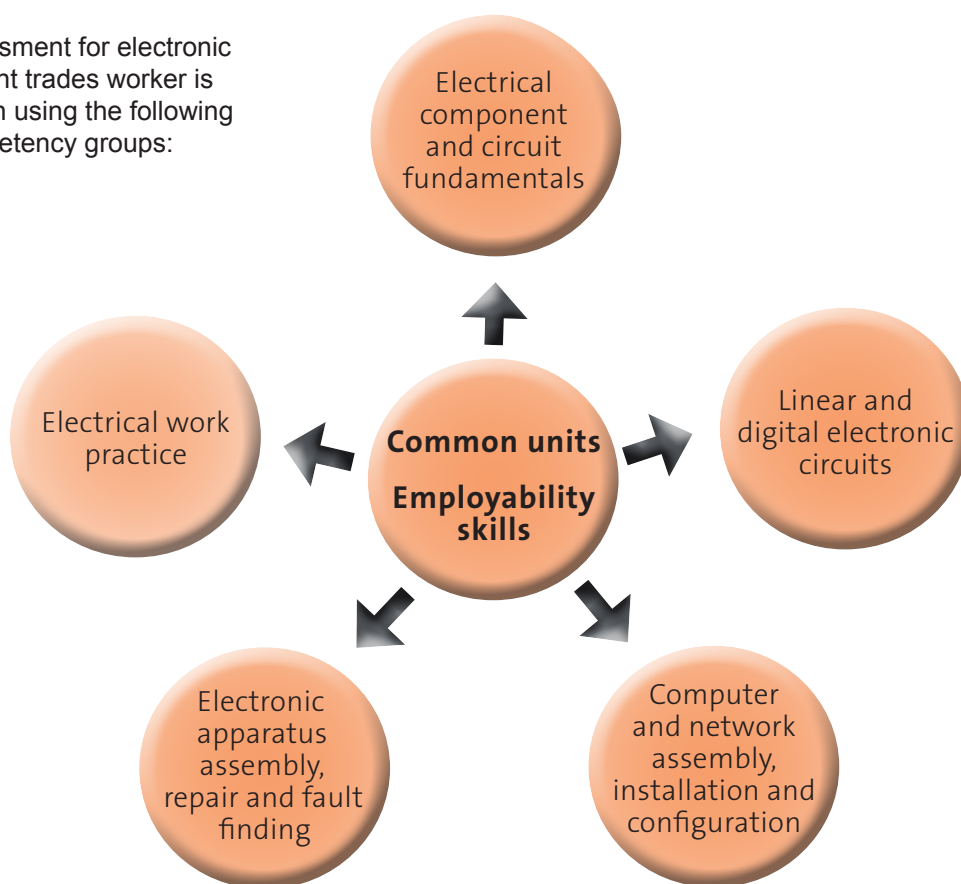
Electronic equipment trades workers must be aware of occupational health and safety (OHS) regulations, especially in the electrical/electronics area. They often wear and use supplied protective equipment in the workplace.

Competency assessment

The VETASSESS assessment uses competency groups. These groups consist of units of competency for the Certificate III in Electronics and Communications qualification (UEE30910). They represent groups of tasks, skills and knowledge that are used to assess an applicant's competence in an occupation and are from the Electrotechnology Training Package (UEE07).

The minimum requirement for achievement of the Australian qualification is to demonstrate competence (employment and training evidence) in all of the units of competency. Please read the [Portfolio Builder](#) document for more information about how to complete a competency assessment for an Australian qualification.

The assessment for electronic equipment trades worker is undertaken using the following competency groups:



Common units

Units of competency covering common skills and knowledge will be assessed with each of the competency groups. These common units relate to the workplace occupational health and safety requirements, work processes and procedures, motor vehicle repair industry standards and requirements to work as an electronic equipment trades worker in Australia.

Employability skills

The assessment includes the following employability skills: teamwork; communication; problem solving; planning and organising; learning; technology; self-management; initiative and enterprise. Competency units contain employability skills that will be assessed with each competency group.



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Competency groups

The following is a breakdown of the competency groups shown in the diagram on page 1.

Common units

The following units of competency are common in all groups for assessment purposes.

- UEENEEE001B Apply OHS practices in the workplace
- UEENEEE007B Use drawings, diagrams, schedules and manuals
- UEENEEK042A Participate in environmentally sustainable work practices
- UEENEEC021B Participate in electronics and communications work and competency development activities
- UEENEEC001B Maintain documentation

Note: The tasks, skills, knowledge and employability skills required for the common units are assessed with the following competency groups.

Electrical component and circuit fundamentals

Be able to understand the principles of electricity and circuits through analysis of passive and active circuit components.

- UEENEEE004B Solve problems in multiple path d.c. circuits
- UEENEEE003B Solve problems in extra-low voltage single path circuits

Linear and digital electronic circuits

Be able to analyse, build and troubleshoot signal, power supply, amplifier and digital circuits using electronic devices, digital techniques and logic devices.

- UEENEEH011B Troubleshoot d.c. power supplies with single phase input
- UEENEEH012B Troubleshoot digital subsystems
- UEENEEH013B Troubleshoot amplifiers
- UEENEEH014B Troubleshoot frequency dependent circuits
- UEENEEH038B Find and repair faults in complex power supplies
- UEENEEH039B Troubleshoot basic amplifiers
- UEENEEH046B Solve fundamental problems in electronic communications systems

Computer and network assembly, installation and configuration

Be able to use, build, service, install, and configure computer / network hardware and operating system

- UEENEEED001B Use basic computer applications relevant to a workplace
- UEENEEED002B Assemble, set up and test personal computers
- UEENEEED004B Use engineering applications software
- UEENEEED046B Set up and configure basic local area network
- UEENEEEF008B Select and arrange equipment for wireless networks

Electronic apparatus assembly, repair and faultfinding

Be able to troubleshoot, repair, secure, assemble and dismantle electronic apparatus.

- UEENEEA001B Assemble electronic apparatus
- UEENEEH002B Carry out basic repairs to electronic apparatus by replacement of components
- UEENEEH007B Carry out repairs of predictable faults in general electronic apparatus
- UEENEEH018B Find and repair faults in electronic apparatus
- UEENEEH070B Terminate and connect components, conductors, wiring and cables for electronic circuits
- UEENEEE002B Dismantle, assemble and fabricate electrotechnology components

Electrical work practice

Be able to safely work on electrical equipment and components.

- UEENEEE034B Document occupational hazards and risks in electronics

Assessment outcome

If you **successfully** complete the assessment process you will receive the following:

- an **Australian Certificate III** qualification that lists the units of competency you successfully achieved.

If you are **unsuccessful** in the assessment process you will be issued:

- a **Statement of Attainment** that lists units of competency you have successfully achieved and those that were not achieved.

Licensing and industry information

A licence, registration or certification may be required for this occupation.

For further information regarding any licensing requirements refer to:

- Department of Immigration and Citizenship (DIAC) - Australian Skills Recognition Information (ASRI):
www.immi.gov.au/asri
- Mutual recognition for occupational licences in Australia:
www.licencerecognition.gov.au

Additional industry information that may assist you can be found at:

- The myfuture website is Australia's national career information and exploration service, helping people to make career decisions, plan career pathways and manage work transitions:
<http://www.myfuture.edu.au>

Qualification information

If you would like detailed information about the units of competency that make up this qualification please refer to the National Training Information Service (NTIS) website:

<http://www.ntis.gov.au>