



# Utility Arboriculture Basic Electrical Knowledge

## At a glance...

### Training (Only)

Duration Notes:	2 days
Delivery Method:	Theory/practical

### Introduction

Gain the knowledge to successfully pass the Level 2 Award in Utility Arboriculture - Basic Electrical Knowledge.

### Overview in brief

Utility Arboriculture is a highly skilled and demanding area of work. The hazards and risks of working with chainsaws in the vicinity of power lines mean that a high level of training is required for workers to remain safe. Our training will provide you with the knowledge to begin work in this sector.

### The finer details

This course is designed to prepare you for working in close proximity to Overhead powerlines and to understand how they work and the risks involved.

### Who should attend?

This training course is for all those engaged in conducting vegetation management work in proximity to overhead powerlines.

### What will be covered?

The following topics will be covered within the course:



- Understand the necessity for risk assessment documents and what they should contain
- Be aware of electrical utility site hazards including: access, egress, vegetation, weather, tree condition and location
- Demonstrate basic electrical knowledge for working safely within proximity of electrical infrastructure
- Recognise common components of electrical equipment and infrastructure
- Understand conductivity relevant to sapwood, wood smoke, ropes and ladders
- Understand the reasons for vegetation management and the potential damage and supply hazards it may present
- Understand the minimum safety distances relevant to electrical infrastructure
- Understand the hazards and controls relating to isolation and outage working
- Appreciate the effect of electrical load and ambient temperature on conductor height and increased hazards and controls to be implemented
- Understand the significance of category A, B, C and D trees and how to identify trees in each category
- Understand and identify proximity distances
- Understand and identify Vicinity and Live Zones
- Gather and record emergency action information and assist in planning
- Understand the significance of and reason for safety documents
- Understand hazards and controls associated with underground services
- Appreciate the need to be authorised to work in Proximity Zones and how to identify Network Operator's specific authorisation
- Understand the commonality between electrical infrastructure and other utility infrastructure
- Understand the hazard controls relating to the use of a range of tools and equipment on utility arboriculture and vegetation management works.

