



# Drafting and Estimates Skill Set

State ID: GAA35

## About this course

Build your career in electrical design and contracting by understanding on how to create project specific requirements, drawings, schematics, schedules, estimates, and common tendering document procedures used in Australian electrical work and services.

This is a Blackboard Learning Management System based course (online). Access to AutoCAD and AutoCAD Electrical and Estimation software is mandatory.

There are prerequisite requirements which are covered as Recognition of Prior Learning (RPL) based on previous qualification and work experience.

Pre-requisite units:

- UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace
- UEENEEE102A Fabricate, dismantle, assemble of utilities industry components
- UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

## Course Outline:

- UEENECC005B - Estimate electrotechnology projects W7735
- UEENEEE071B - Write specifications for electrical engineering projects W7858
- UEENEED104A - Use engineering applications software on personal computers WC388
- UEENEED101A - Use computer applications relevant to a workplace WC385

- UEENEE190A - Prepare engineering drawings using manual drafting and CAD for electrotechnology utilities applications WC454

Upon completion of the course a student will be able to demonstrate they have learned:

- Interpret electrical drawings and diagrams using knowledge of Australian drawing conventions and symbols
- Create electrical and electronic diagrams, schematics, control circuit diagrams, and documentation using Electrical CAD software
- Make up material take-off, job list and labour force from information given in project specifications and drawings using electrical estimation software
- Outline the purpose of a contract and planning to provide electrical services
- Formatting and compiling documents for successful tender responses

This is part of UEE62111 Advanced Diploma of Engineering Technology - Electrical, a nationally recognised qualification.

Part time evening class with a combination of face to face and Blackboard delivery.

## Overview

### Semester 2, 2019

#### Munster Campus - Jul 2019, Oct 2019



When: **Semester 2, 2019**



How: **Part Time**



Fees:

**Non-concession**

\$1,144.20

## Units

### Core

Unit Title	National ID
Estimate electrotechnology projects	UEENEEC005B

Unit Title	National ID
Use computer applications relevant to a workplace	UEENEED101A
Use engineering applications software on personal computers	UEENEED104A
Write specifications for electrical engineering projects	UEENEEE071B
Prepare engineering drawings using manual drafting and CAD for electrotechnology/utilities applications	UEENEEE190A