



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **UET50109 Diploma of ESI - Power Systems**

**Release: 1**

## **UET50109 Diploma of ESI - Power Systems**

### **Modification History**

Not Applicable

### **Description**

Not Applicable

### **Pathways Information**

Not Applicable

### **Licensing/Regulatory Information**

Not Applicable

### **Entry Requirements**

Not Applicable

### **Employability Skills Summary**

Not Applicable

## Packaging Rules

### Completion requirements

The requirements for granting this qualification will be met when competency is demonstrated and achieved for:

1. All the Core Units, **and**
2. A combination of Elective Units selected from Schedule 5 Diploma, where the sum of the weighting value is in accord with that assigned to this qualification and quantified below, **and**
3. All of any prerequisite requirements.

### Core Units

All Core Units are deemed to be achieved by completing all of the following or by completing the Industry Pathway.

#### Core

|             |  |
|-------------|--|
| UEENEED004B | Use engineering application software                                     |
| UEENEEE001B | Apply OHS practices in the workplace                                     |
| UEENEEE002B | Dismantle, assemble and fabricate electrotechnology components           |
| UEENEEE003B | Solve problems in extra-low voltage single path electrical circuits      |
| UEENEEE004B | Solve problems in multiple path d.c. circuits                            |
| UEENEEE007B | Use drawings, diagrams, schedules and manuals                            |
| UEENEEE024B | Compile and produce an electrotechnology report                          |
| UEENEED001B | Solve problems in electromagnetic circuits                               |
| UEENEED002B | Solve problems in single and three phase low voltage circuits            |
| UEENEED047B | Provide computational solutions to power engineering problems            |
| UEENEED048B | Solve problems in complex multiple path power circuits                   |
| UEENEED049B | Solve problems in complex polyphase power circuits                       |
| UETTDREL01B | Apply environmental and sustainable energy procedures                    |
| UETTDREL04B | Working safely near live electrical apparatus as a non electrical worker |
| UETTDRLS22B | Implement and monitor the organisation's OHS policies                    |

procedures and programs

UETTDRIS23B Implement and monitor environmental and sustainable energy management policies and procedures

**Note.** This core is intended for those seeking an outcome through an approved program with structured work experience; as typically applied to cadetship arrangements.

**OR**

### **Industry Pathway**

UEENEED004B Use engineering application software

UEENEEE024B Compile and produce an electrotechnology report

UEENEEG047B Provide computational solutions to power engineering problems

UEENEEG048B Solve problems in complex multiple path power circuits

UEENEEG049B Solve problems in complex polyphase power circuits

UETTDRIS22B Implement and monitor the organisation's OHS policies procedures and programs

UETTDRIS23B Implement and monitor environmental and sustainable energy management policies and procedures

**Note.** This Industry Pathway is intended for those seeking an outcome that have a; Certificate III in ESI - Distribution, Certificate III in ESI - Transmission, Certificate III in ESI - Rail Traction, Certificate III in ESI - Cable Jointing or a Certificate III in Electrotechnology Electrician or equivalent.

**Electives Units: Acquire any combination of Elective Group Units having a total sum of at least 900 weighting points from Schedule 5.**

**Core or Industry Pathway Units in this Qualification cannot be included.**

**Schedule 5 forms part of this qualification structure.**

**And all of any prerequisite requirements acquired.**