

UET50219 Diploma of ESI - Power Systems

Release 1

UET50219 Diploma of ESI - Power Systems

Modification History

Release 1. This is the first release of this qualification in the UET Transmission, Distribution and Rail Sector Training Package

Qualification Description

This qualification provides the skills and knowledge to work in the electricity supply industry (ESI) as a High Voltage (HV) Substation Project Manager or a Senior Systems Operator (ESI) or a Power Systems Technical Officer.

This qualification covers overseeing the construction of electrical substations and related projects within the ESI. It also includes managing personnel, the business aspects of projects and giving specialist advice to deal with day-to-day issues and problems.

The skills and knowledge described within the units in this qualification may require a licence or permit to practice in the workplace.

Additional and/or other conditions may also apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing the qualification.

Entry Requirements

There are no entry requirements for this qualification

Packaging Rules

A total of **1600 weighting points** comprising:

700 core weighting points listed below; plus

900 general elective weighting points from the general elective units listed below.

Choose a total of 900 **weighting points** elective units from the list below, of which between 0 and 270 **weighting points** can be taken from Group A; between 0 and 400 **weighting points** can be taken from Group B; between 0 and 200 **weighting points** can be taken from Group C and between 140 and 900 **weighting points** taken from Group D. You may select all your electives from this group.

Up to 270 weighting points of the general elective units Group A may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course, provided selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide, if not listed weighting points will be 10 points.

Approved Page 2 of 40

Where imported units are selected, care must be taken to ensure all prerequisite units specified are complied with.

Core units		Weighting Points
UEENEED104A	Use engineering applications software on personal computers	40
	☐ UEENEEE101A Apply Occupational Health Safety regulations, codes and practices in the workplace	
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace	20
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components	40
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
UEENEEE104A	Solve problems in d.c. circuits	80
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications	40
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
UEENEEE124A	Compile and produce an energy sector detailed report	60
UEENEEE125A	Provide engineering solutions for problems in complex multiple path circuits	60
	☐ UEENEEE126A Provide solutions to basic engineering computational problems	
UEENEEE126A	Provide solutions to basic engineering computational problems	60
	∟UEENEEE029B Solve electrotechnical problems	
	or	
	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
	or	
	∟ UEENEEH014B Troubleshoot frequency dependent circuits	

Approved Page 3 of 40

UEENEEG101A	Solve problems in electromagnetic devices and related circuits	60
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE104A Solve problems in d.c. circuits	
UEENEEG102A	Solve problems in low voltage a.c. circuits	80
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE104A Solve problems in d.c. circuits	
UEENEEG149A	Provide engineering solutions to problems in complex polyphase power circuits	60
	☐ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	and	
	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
UETTDREL11	Apply sustainable energy and environmental procedures	20
UETTDREL16	Working safely near live electrical apparatus	20
UETTDRIS62	Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	30
	Common Unit Group	
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UETTDREL16 Working safely near live electrical apparatus	
UETTDRIS63	Implement & monitor power system environmental & sustainable energy management policies & procedures	30
	Electrotechnology Pathway Unit Group	
	LUEENEEK142A Apply environmentally and sustainable procedures in the energy sector	
	ESI - TDR Pathway Unit Group	
	∟UETTDREL11 Apply sustainable energy and environmental procedures	

Approved Page 4 of 40

Group A: Import	ed and common elective units	Weighting Points
BSBCUS501	Manage quality customer service	40
BSBFIM501	Manage budgets and financial plans	70
BSBINM501	Manage an information or knowledge management system	50
BSBINN502	Build and sustain an innovative work environment	50
BSBLED501	Develop a workplace learning environment	60
BSBMGT502	Manage people performance	70
BSBMGT516	Facilitate continuous improvement	60
BSBMGT517	Manage operational plan	60
BSBSUS501	Develop workplace policy and procedures for sustainability	50
BSBWOR501	Manage personal work priorities and professional development	60
BSBWOR502	Lead and manage team effectiveness	60
Group B: Qualific	cation elective units	Weighting Points
UEENEEG006A	Solve problems in single and three phase low voltage machines	80
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components	
	∟UEENEEE104A Solve problems in d.c. circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage a.c.	

Approved Page 5 of 40

	circuit	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEENEEH102A	Repairs basic electronic apparatus faults by replacement of components	40
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, dismantle, assemble of utilities industry components	
UEENEEH112A	Troubleshoot digital sub-systems	80
	∟UEENEEH102A Repair basic electronic apparatus faults by replacement of components	
UEENEEH139A	Troubleshoot basic amplifier circuits	40
	□ UEENEEH114A Troubleshoot resonance circuits in an electronic apparatus	
	OR	
	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
UETTDREL15	Respond to power systems technical enquiries and requests	40
UETTDRIS67	Solve problems in energy supply network equipment	80
	Common Unit Group	
	∟UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟UEENEEE104A Solve problems in d.c. circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	

Approved Page 6 of 40

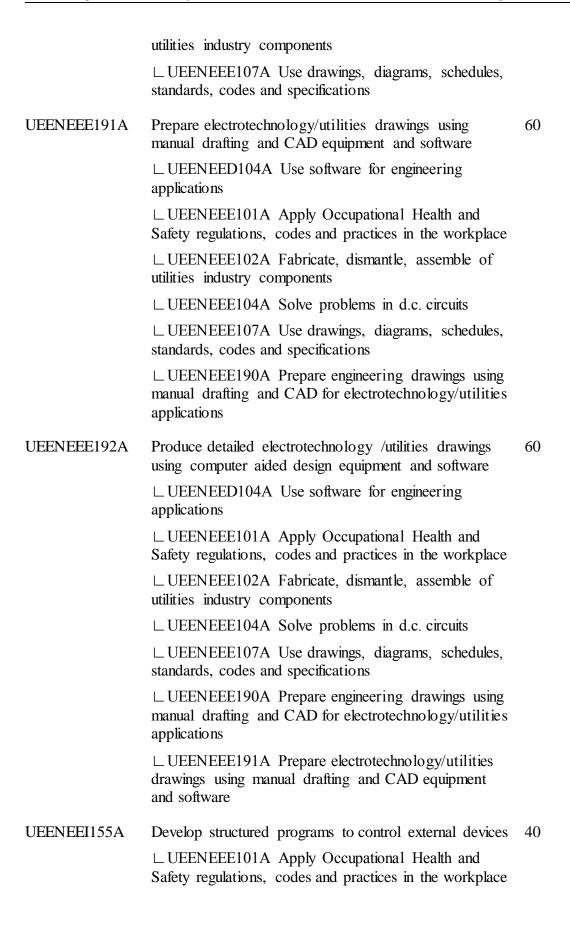
∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits ∟ UEENEEG006A Solve problems in single and three phase low voltage machines ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits **UETTDRIS68** Solve problems in energy supply network protection 40 equipment and systems Common Unit Group LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace LUEENEEE102A Fabricate, assemble and dismantle utilities industry components LUEENEE104A Solve problems in d.c. circuits □ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEE107A Use drawings, diagrams, schedules, standards, codes and specifications LUEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits ∟ UEENEEG006A Solve problems in single and three phase low voltage machines ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits ∟ UETTDRIS67 Solve problems in energy supply network equipment **Group C: Qualification elective units**

Weighting Points

UEENEEE190A Prepare engineering drawings using manual drafting and 60 CAD for electrotechnology/utilities applications LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace ∟ UEENEED104A Use software for engineering applications

LUEENEEE102A Fabricate, dismantle, assemble of

Approved Page 7 of 40



Approved Page 8 of 40

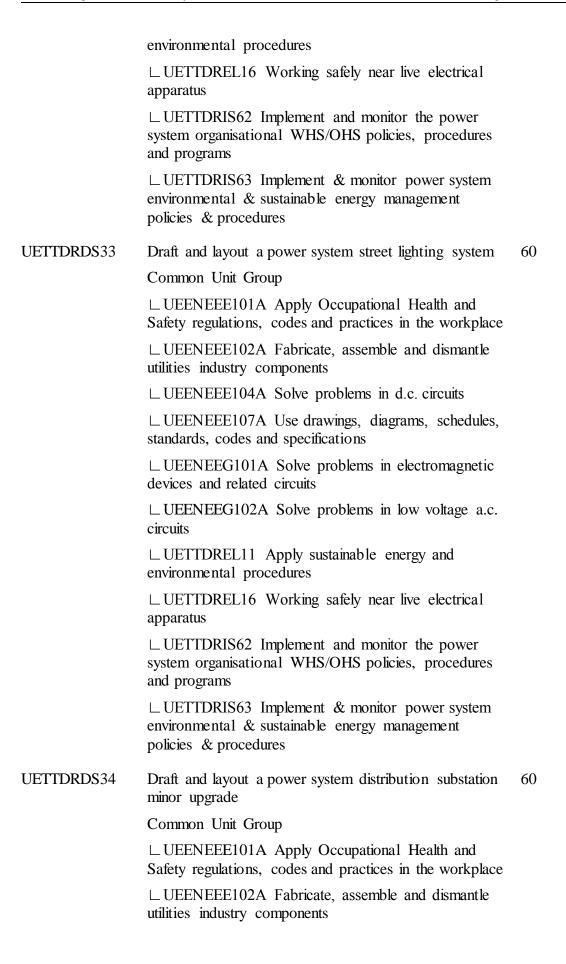
60

UETTDRDS31

extension Common Unit Group LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components LUEENEEE104A Solve problems in d.c. circuits ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits □ UEENEEG102A Solve problems in low voltage a.c. circuits ∟ UETTDREL11 Apply sustainable energy and environmental procedures LUETTDREL16 Working safely near live electrical apparatus ∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs LUETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures **UETTDRDS32** Draft and layout a power system underground 60 distribution extension Common Unit Group LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace LUEENEEE102A Fabricate, assemble and dismantle utilities industry components ∟ UEENEEE104A Solve problems in d.c. circuits ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits ∟ UETTDREL11 Apply sustainable energy and

Draft and layout a power system overhead distribution

Approved Page 9 of 40 Australian Industry Standards



Approved Page 10 of 40

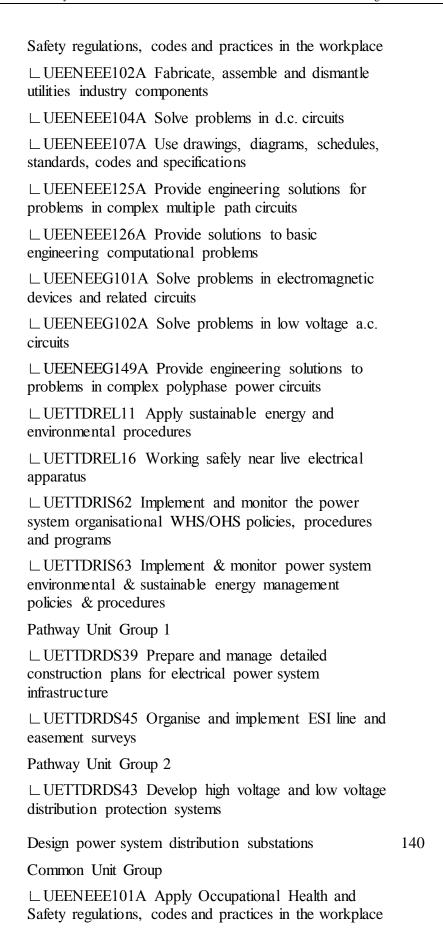
∟UEENEEE104A Solve problems in d.c. circuits
□ UEENEEE107A Use drawings, diagrams, schedules standards, codes and specifications
∟UEENEEG101A Solve problems in electromagnetic devices and related circuits
∟UEENEEG102A Solve problems in low voltage a.c. circuits
☐ UETTDREL11 Apply sustainable energy and environmental procedures
∟ UETTDREL16 Working safely near live electrical apparatus
∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs
∟ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures

Group D: Qualific	cation elective units	Weighting Points
UEENEEC005B	Estimate electrotechnology projects	40
UEENEEC006B	Prepare tender submissions for electrotechnology projects	60
	∟ UEENEEC005B Estimate electrotechnology projects	
UEENEER001B	Contribute to the planning of a research project	120
UEENEER002B	Contribute to the conduct of a research project	120
UEENEER003B	Contribute to the development of a product/application/service	120
UEENEER004B	Contribute to the trial of a product/application/ service	120
UEPOPS507	Conduct project management	60
UEPOPS520	Evaluate cost estimations and initiate appropriate solutions	40
	∟UEENEEC005B Estimate electrotechnology projects	
UETTDRDS35	Design overhead distribution power systems Common Unit Group	140

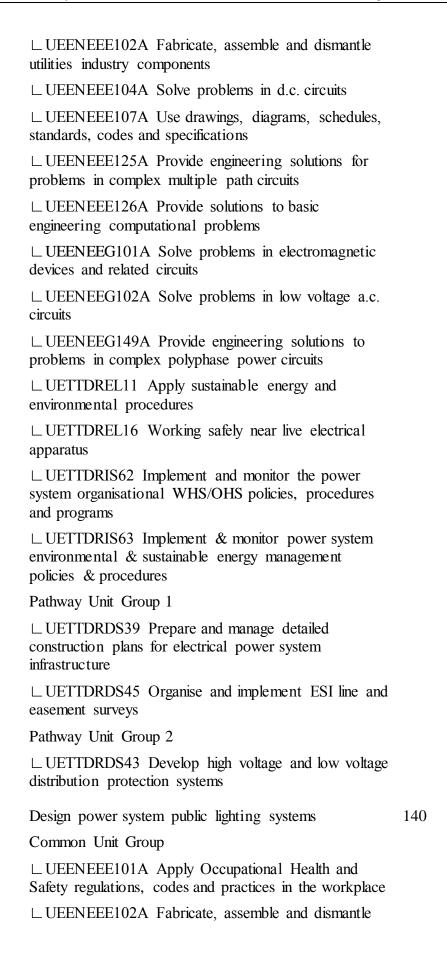
Approved Page 11 of 40

LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components LUEENEEE104A Solve problems in d.c. circuits ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications LUEENEE125A Provide engineering solutions for problems in complex multiple path circuits ∟ UEENEEE126A Provide solutions to basic engineering computational problems ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits LUEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits ∟ UETTDREL11 Apply sustainable energy and environmental procedures LUETTDREL16 Working safely near live electrical apparatus ∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs ∟ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures Pathway Unit Group 1 LUETTDRDS39 Prepare and manage detailed construction plans for electrical power system infrastructure LUETTDRDS45 Organise and implement ESI line and easement surveys Pathway Unit Group 2 ∟ UETTDRDS43 Develop high voltage and low voltage distribution protection systems 140 Design underground distribution power systems Common Unit Group LUEENEEE101A Apply Occupational Health and

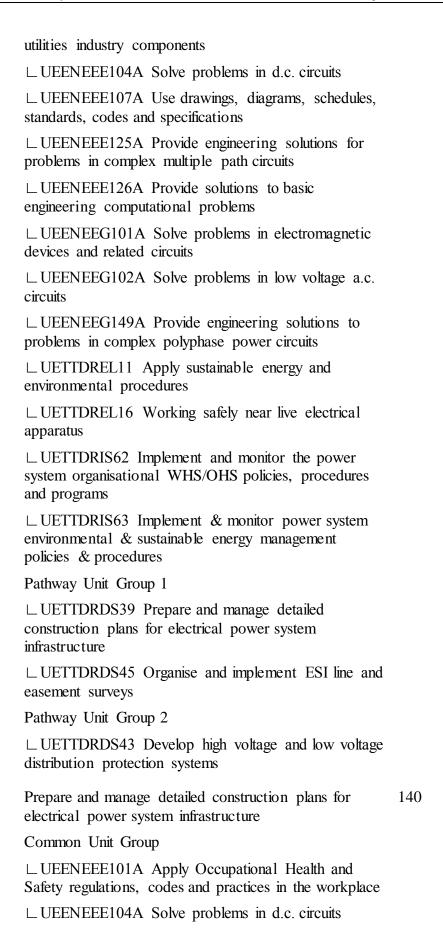
Approved Page 12 of 40



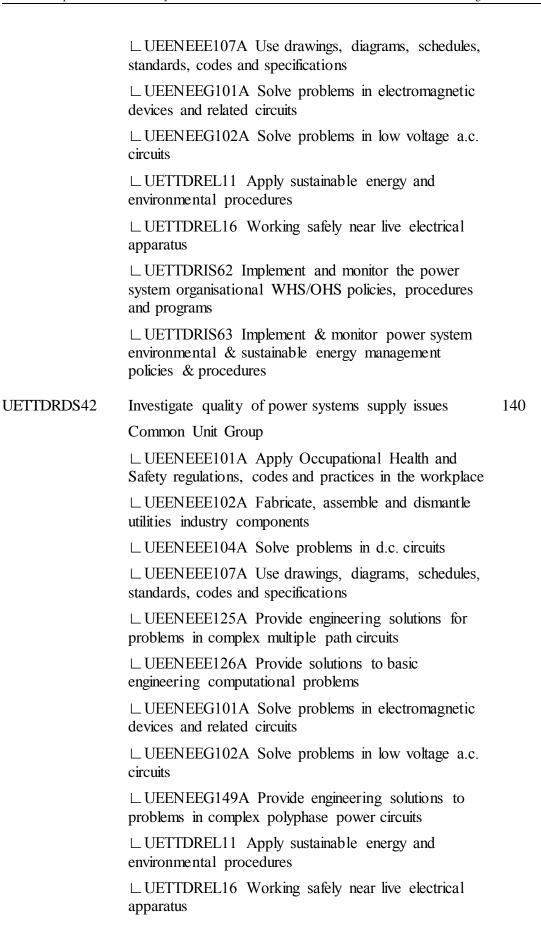
Approved Page 13 of 40



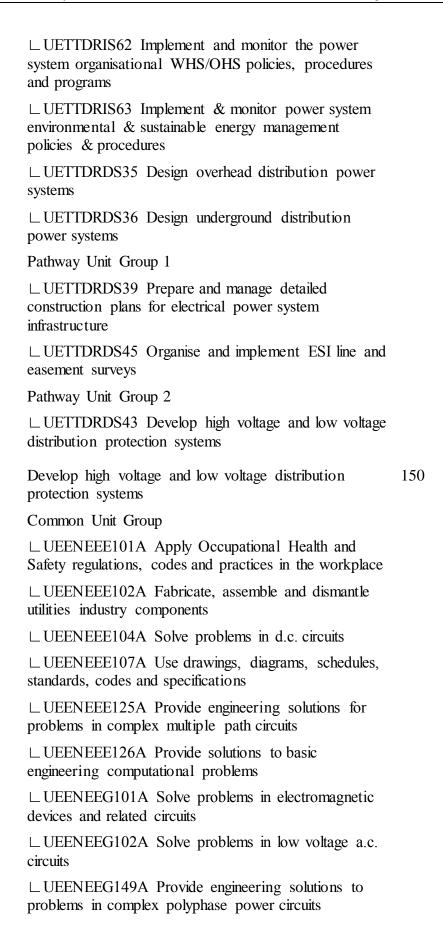
Approved Page 14 of 40



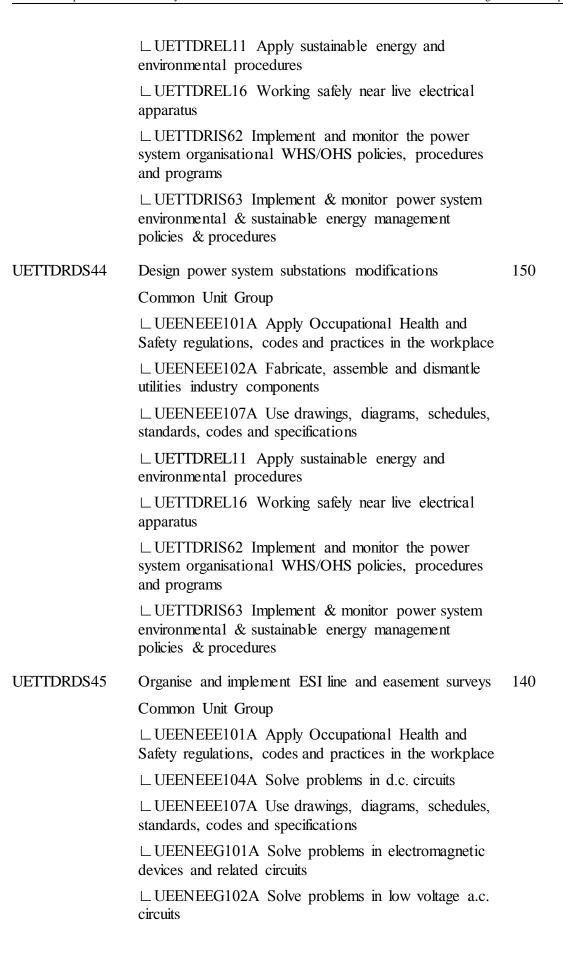
Approved Page 15 of 40



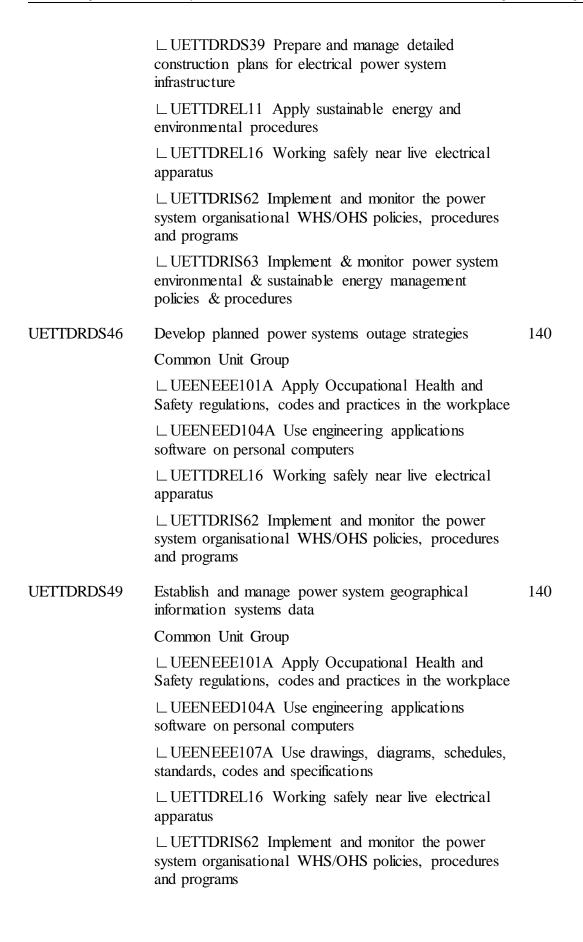
Approved Page 16 of 40



Approved Page 17 of 40



Approved Page 18 of 40



Approved Page 19 of 40

UETTDRIS66	Manage an electricity power system WHS/OHS management system	140
UETTDRIS69	Diagnose and rectify faults in energy supply apparatus	60
	Common Unit Group	
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟UEENEEE104A Solve problems in d.c. circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	□ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage a.c. circuits	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
	∟UETTDRIS67 Solve problems in energy supply network equipment	
	☐ UETTDRIS68 Solve problems in energy supply network protection equipment and systems	
UETTDRIS71	Diagnose and rectify faults in electrical energy supply transmission systems	60
	Common Unit Group	
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟UEENEEE104A Solve problems in d.c. circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEG101A Solve problems in electromagnetic	

Approved Page 20 of 40

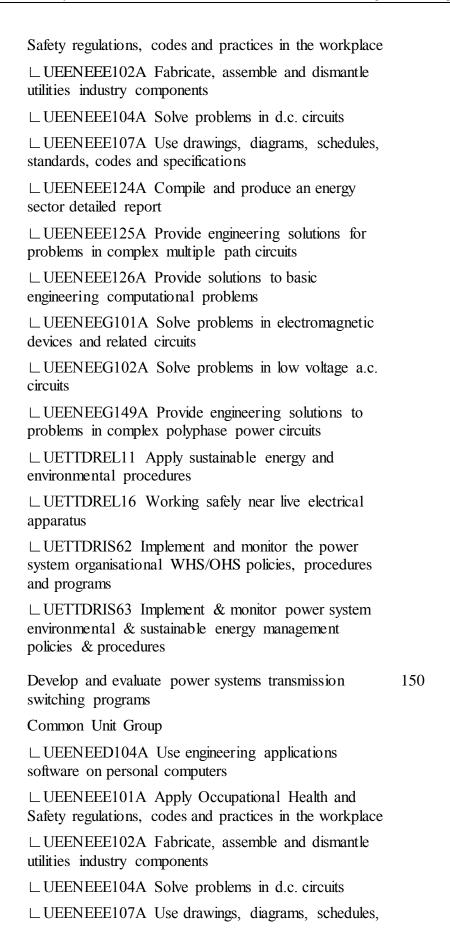
UETTDRIS72

devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits LUEENEEG006A Solve problems in single and three phase low voltage machines ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits LUETTDRIS67 Solve problems in energy supply network equipment LUETTDRIS68 Solve problems in energy supply network protection equipment and systems LUETTDRIS69 Diagnose and rectify faults in energy supply apparatus Diagnose and rectify faults in distributed generation 60 systems Common Unit Group LUEENEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace LUEENEE102A Fabricate, assemble and dismantle utilities industry components LUEENEEE104A Solve problems in d.c. circuits □ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEE107A Use drawings, diagrams, schedules, standards, codes and specifications LUEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits LUEENEEG006A Solve problems in single and three phase low voltage machines ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits LUETTDRIS67 Solve problems in energy supply network equipment ∟ UETTDRIS68 Solve problems in energy supply network protection equipment and systems LUETTDRIS69 Diagnose and rectify faults in energy supply apparatus

Approved Page 21 of 40

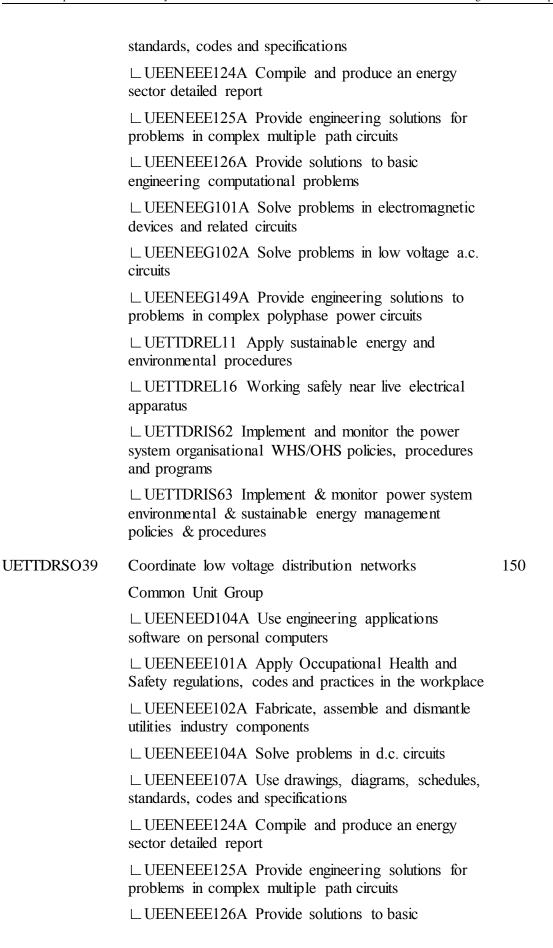
UETTDRSO36	Develop low voltage distribution switching programs	150
	Common Unit Group	
	☐ UEENEED104A Use engineering applications software on personal computers	
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟ UEENEEE104A Solve problems in d.c. circuits	
	☐ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEE124A Compile and produce an energy sector detailed report	
	☐ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	☐ UEENEEE126A Provide solutions to basic engineering computational problems	
	☐ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
	☐ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	
	∟ UETTDREL11 Apply sustainable energy and environmental procedures	
	∟ UETTDREL16 Working safely near live electrical apparatus	
	∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	☐ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures	
UETTDRSO37	Develop high voltage distribution and sub-transmission switching programs	150
	Common Unit Group	
	∟ UEENEED104A Use engineering applications software on personal computers	
	∟UEENEEE101A Apply Occupational Health and	

Approved Page 22 of 40

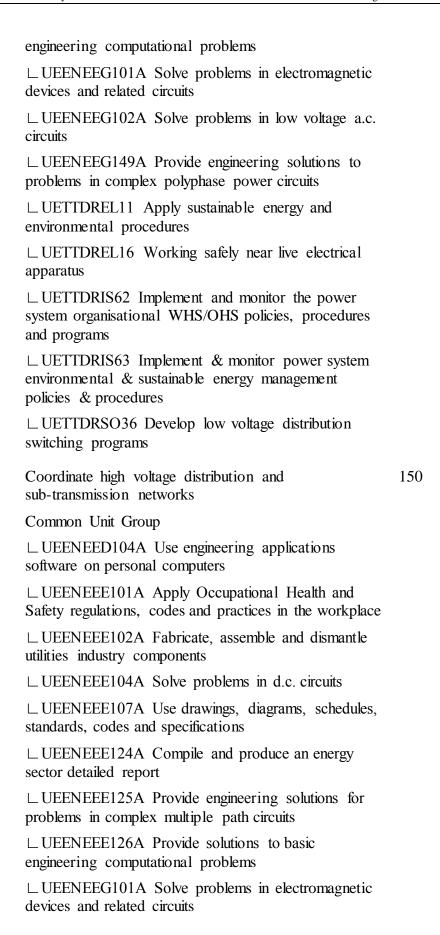


Approved Page 23 of 40

UETTDRSO38



Approved Page 24 of 40



Approved Page 25 of 40

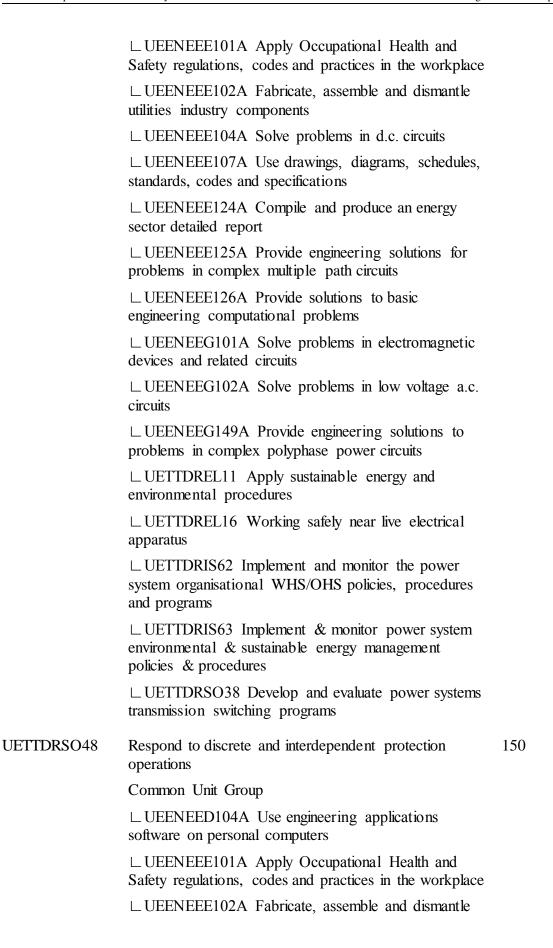
UETTDRSO40

	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
	☐ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	
	∟ UETTDREL11 Apply sustainable energy and environmental procedures	
	∟ UETTDREL16 Working safely near live electrical apparatus	
	∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	∟ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures	
	∟UETTDRSO37 Develop high voltage distribution and sub-transmission switching programs	
UETTDRSO43	Coordinate low voltage distribution network demand	150
	Common Unit Group	
	LUEENEED104A Use engineering applications software on personal computers	
	□ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟ UEENEEE104A Solve problems in d.c. circuits	
	□ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	☐ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	☐ UEENEEE126A Provide solutions to basic engineering computational problems	
	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
	☐ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	

Approved Page 26 of 40

∟ UETTDREL11 Apply sustainable energy and environmental procedures ∟ UETTDREL16 Working safely near live electrical apparatus ∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs LUETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures ∟ UETTDRSO36 Develop low voltage distribution switching programs ∟ UETTDRSO39 Coordinate low voltage distribution networks Operate and monitor system SCADA equipment 150 **UETTDRSO45** Common Unit Group LUETTDREL15 Respond to power systems technical enquiries and requests **UETTDRSO46** Monitor and control the field staff activities 150 To minimise incidents related to safe systems of work, entry into this unit requires at a minimum that an individual has demonstrated or possesses relevant technical engineering discipline competencies of at least AQF level 3. It is intended that an individual will be expected to perform with a large degree of autonomy in decision-making, whilst in an individual environment. This may include immediate response to protect human life, adverse effect on safety, security of supply or the integrity of the assets. NOTE: Typically the following disciplines provide direct entry; electrical or instrumentation, fitting and turning or mechanical trade. Where an individual does not possess or demonstrate the requisite entry requirement, an equivalent bridging program shall be used to ensure equivalence of entry. **UETTDRSO47** Coordinate high voltage transmission network 150 Common Unit Group ∟ UEENEED104A Use engineering applications software on personal computers

Approved Page 27 of 40

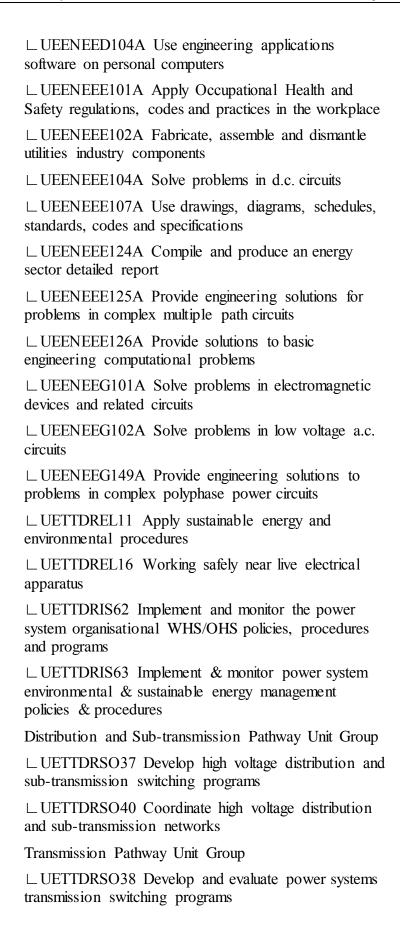


Approved Page 28 of 40

utilities industry components ∟ UEENEEE104A Solve problems in d.c. circuits ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEE124A Compile and produce an energy sector detailed report LUEENEE125A Provide engineering solutions for problems in complex multiple path circuits ∟ UEENEEE126A Provide solutions to basic engineering computational problems ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits LUEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits LUETTDREL11 Apply sustainable energy and environmental procedures LUETTDREL16 Working safely near live electrical apparatus ∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs LUETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures Distribution and Sub-transmission Pathway Unit Group ∟ UETTDRSO37 Develop high voltage distribution and sub-transmission switching programs ∟ UETTDRSO40 Coordinate high voltage distribution and sub-transmission networks Transmission Pathway Unit Group ∟UETTDRSO38 Develop and evaluate power systems transmission switching programs ∟ UETTDRSO47 Coordinate high voltage transmission network Coordinate power system operations in a regulated 150 energy market Common Unit Group

Page 29 of 40 Approved Australian Industry Standards

UETTDRSO49



Approved Page 30 of 40

∟ UETTDRSO47 Coordinate high voltage transmission network **UETTDRTS21** Maintain interdependent network protection and control 150 systems Common Unit Group ∟ UEENEED104A Use engineering applications software on personal computers LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace LUEENEEE102A Fabricate, assemble and dismantle utilities industry components LUEENEE104A Solve problems in d.c. circuits ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEE124A Compile and produce an energy sector detailed report ∟ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits ∟ UEENEEE126A Provide solutions to basic engineering computational problems ∟UEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits LUEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits ∟ UETTDREL11 Apply sustainable energy and environmental procedures LUETTDREL16 Working safely near live electrical apparatus ∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs ∟ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures ∟ UETTDRTS29 Develop power systems secondary isolation instructional documents

Approved Page 31 of 40

UETTDRTS22

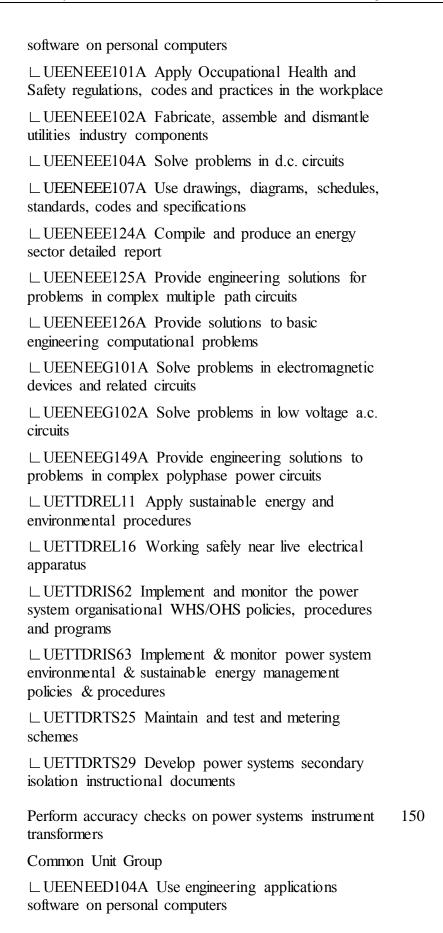
Commission interdependent network protection and 150 control systems Common Unit Group ∟ UEENEED104A Use engineering applications software on personal computers LUEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace LUEENEEE102A Fabricate, assemble and dismantle utilities industry components LUEENEEE104A Solve problems in d.c. circuits ∟ UEENEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEE124A Compile and produce an energy sector detailed report ∟ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits ∟ UEENEEE126A Provide solutions to basic engineering computational problems ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits LUEENEEG102A Solve problems in low voltage a.c. circuits LUEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits ∟ UETTDREL11 Apply sustainable energy and environmental procedures LUETTDREL16 Working safely near live electrical apparatus ∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs LUETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures ∟ UETTDRTS21 Maintain interdependent network protection and control systems ∟ UETTDRTS29 Develop power systems secondary

Approved Page 32 of 40

isolation instructional documents

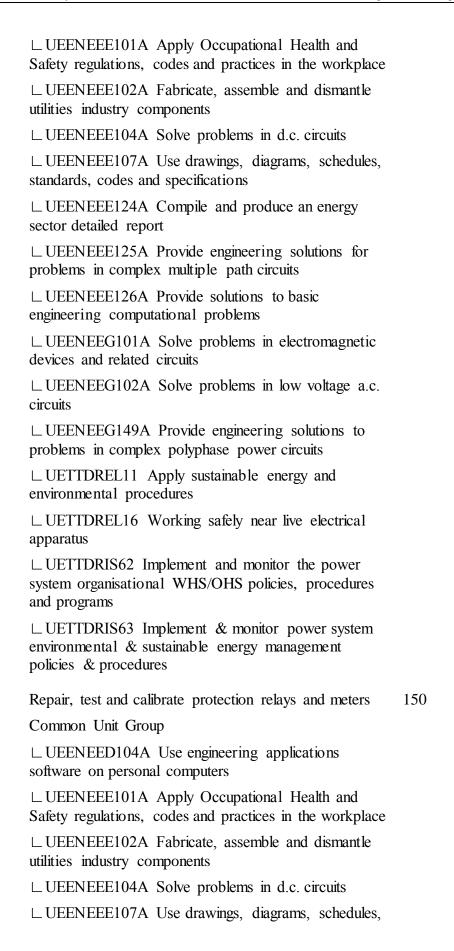
UETTDRTS25	Maintain and test and metering schemes	140
	Common Unit Group	
	∟ UEENEED104A Use engineering applications software on personal computers	
	☐ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟ UEENEEE104A Solve problems in d.c. circuits	
	☐ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	☐ UEENEEE124A Compile and produce an energy sector detailed report	
	☐ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	☐ UEENEEE126A Provide solutions to basic engineering computational problems	
	∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage a.c. circuits	
	☐ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	
	∟ UETTDREL11 Apply sustainable energy and environmental procedures	
	∟ UETTDREL16 Working safely near live electrical apparatus	
	∟ UETTDRIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	☐ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures	
	∟ UETTDRTS29 Develop power systems secondary isolation instructional documents	
UETTDRTS26	Commission power systems metering schemes	150
	Common Unit Group	
	∟ UEENEED104A Use engineering applications	

Approved Page 33 of 40



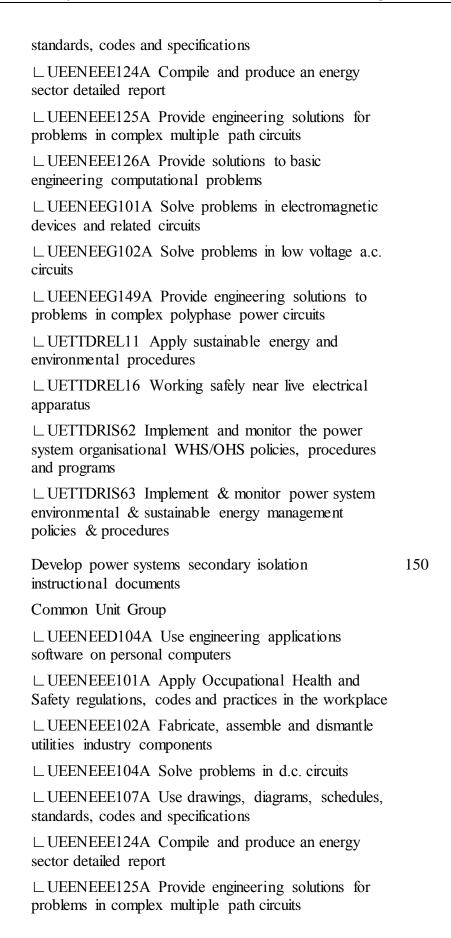
Approved Page 34 of 40

UETTDRTS27



Approved Page 35 of 40

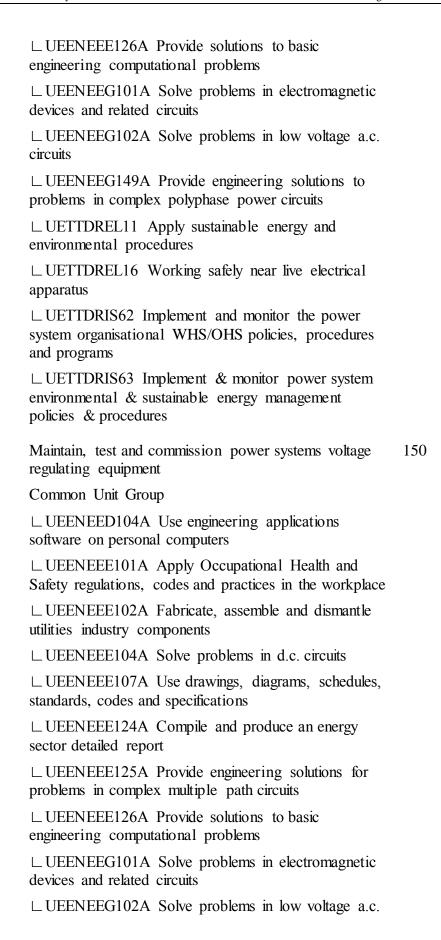
UETTDRTS28



Approved Page 36 of 40

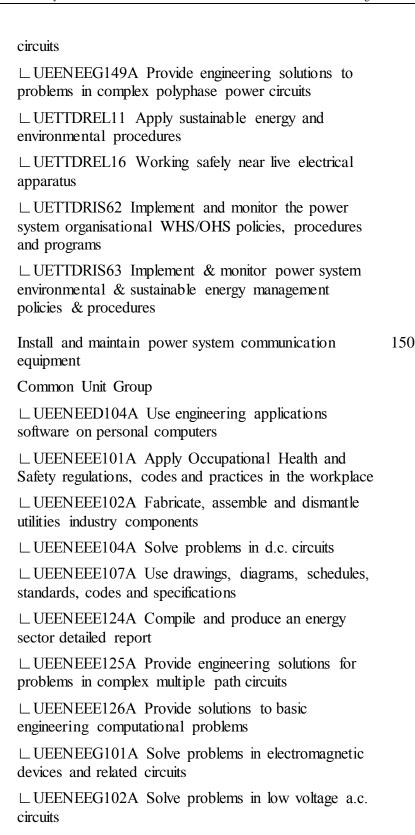
UETTDRTS29

UETTDRTS31



Approved Page 37 of 40

UETTDRTS34



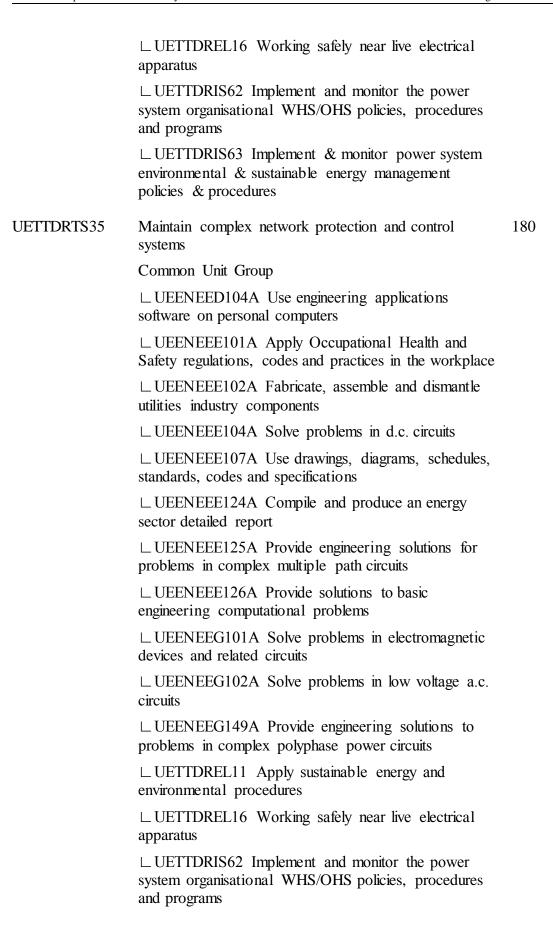
Approved Page 38 of 40

LUEENEEG149A Provide engineering solutions to

problems in complex polyphase power circuits

environmental procedures

∟ UETTDREL11 Apply sustainable energy and



Approved Page 39 of 40

∟ UETTDRIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures
☐ UETTDRTS21 Maintain interdependent network protection and control systems
☐ UETTDRTS29 Develop power systems secondary isolation instructional documents

Qualification Mapping Information

This qualification replaces and is equivalent to UET50212 Diploma of ESI - Power Systems

Links

 $\label{lem:companion} \begin{tabular}{ll} Companion Volume Implementation Guides are found in VETNet - $$\underline{$https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb1}$$\underline{3ecfad7}$ \end{tabular}$

Approved Page 40 of 40