

Qualification details



UEP40322 - Certificate IV in ESI Generation Maintenance - Electrical Electronics

Summary

Releases:	Release	Status	Release date
	2	Current	2022/12/13
	1	Replaced	2022/04/20

Usage recommendation: **Current**

Mapping:	Mapping	Notes	Date
	Supersedes and is equivalent to UEP40318 - Certificate IV in ESI Generation Maintenance - Electrical Electronics		2022/04/20

Training packages that include this qualification

Code	Title	Release
UEP	Electricity Supply Industry - Generation Sector Training Package	2.0

Units of competency

Code	Title	Essential
BSBHRM413	Support the learning and development of teams and individuals	Elective
BSBINS402	Coordinate workplace information systems	Elective
BSBLDR413	Lead effective workplace relationships	Elective
BSBLDR414	Lead team effectiveness	Elective
BSBOPS203	Deliver a service to customers	Elective
BSBOPS402	Coordinate business operational plans	Elective
BSBOPS404	Implement customer service strategies	Elective
BSBPEF402	Develop personal work priorities	Elective
BSBSTR401	Promote innovation in team environments	Elective
BSBSTR402	Implement continuous improvement	Elective
ICTICT215	Operate digital media technology packages	Elective
TAEDEL301	Provide work skill instruction	Elective
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	Core
UEECD0010	Compile and produce an energy sector detailed report	Elective
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	Core
UEECD0019	Fabricate, assemble and dismantle utilities industry components	Core
UEECD0020	Fix and secure electrotechnology equipment	Core
UEECD0024	Implement and monitor energy sector WHS policies and procedures	Core
UEECD0043	Solve problems in direct current circuits	Core
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	Core

Code	Title	Essential
UEECO0001	Estimate electrotechnology projects	Elective
UEECO0002	Maintain documentation	Elective
UEECS0033	Use engineering applications software on personal computers	Elective
UEEDV0005	Install and maintain cabling for multiple access to telecommunication services	Elective
UEEDV0006	Install and modify optical fibre performance data communication cabling	Elective
UEEEL0003	Arrange circuits, control and protection for electrical installations	Core
UEEEL0005	Develop and connect electrical control circuits	Core
UEEEL0011	Evaluate performance of low voltage electrical apparatus	Core
UEEEL0014	Isolate, test and troubleshoot low voltage electrical circuits	Core
UEEEL0020	Solve problems in low voltage a.c. circuits	Core
UEEEL0021	Solve problems in magnetic and electromagnetic devices	Core
UEEEL0023	Terminate cables, cords and accessories for low voltage circuits	Core
UEEEL0024	Test and connect alternating current (a.c.) rotating machines	Core
UEEEL0025	Test and connect transformers	Elective
UEEEL0047	Identify, shut down and restart systems with alternate supplies	Elective
UEEIC0022	Install instrumentation and control apparatus and associated equipment	Elective
UEEIC0023	Install instrumentation and control cabling and tubing	Elective
UEEIC0047	Use instrumentation drawings, specifications, standards and equipment manuals	Elective
UEPMNT346	Maintain electrical equipment	Elective
UEPMNT347	Maintain complex electrical equipment	Elective
UEPMNT348	Maintain electrical electronic equipment	Elective
UEPMNT350	Modify electrical equipment	Elective
UEPMNT351	Test and commission electrical equipment	Elective
UEPMNT355	Install complex electronic instrumentation equipment	Elective
UEPMNT356	Maintain instrumentation equipment	Elective
UEPMNT357	Diagnose and repair faults in instrumentation equipment	Elective
UEPMNT358	Modify instrumentation equipment	Elective
UEPMNT359	Test and commission instrumentation equipment	Elective
UEPMNT366	Maintain power plant inverter systems	Elective
UEPMNT410	Diagnose and repair faults in electronic equipment	Elective
UEPMNT411	Diagnose and repair faults in complex electrical equipment	Elective
UEPMNT412	Modify complex electrical equipment	Elective
UEPMNT414	Test and commission complex electrical equipment	Elective
UEPMNT417	Inspect electrical generators and diagnose faults	Elective
UEPMNT421	Conduct technical inspection of process plant and equipment	Elective
UEPMNT422	Conduct performance testing on process plant and equipment	Elective
UEPMNT425	Maintain complex instrumentation equipment	Elective
UEPMNT427	Diagnose and repair faults in complex instrumentation equipment	Elective
UEPMNT428	Modify complex instrumentation equipment	Elective
UEPMNT430	Test and commission complex instrumentation equipment	Elective
UEPMNT433	Conduct routine generator electrical maintenance	Elective
UEPMNT440	Diagnose and repair faults in power plant inverter systems	Elective
UEPOPS003	Apply quality systems to work	Elective
UEPOPS004	Carry out operational checks on in-service electrical plant	Core

Code	Title	Essential
UEPOPS011	Conduct multiple energy source isolation procedures for permit to work	Elective
UEPOPS017	Conduct single energy source isolation procedures for permit to work	Elective
UEPOPS021	Control permit to work operations	Core
UEPOPS041	Facilitate workplace communication	Core
UEPOPS047	Maintain quality systems within the team	Elective
UEPOPS061	Monitor and implement environmental site plans and procedures	Core
UEPOPS127	Plan and organise work	Elective

Classifications

Scheme	Code	Name
ANZSCO Identifier	399213	Power Generation Plant Operator
ASCED Qualification/Course Field of Education Identifier	0399	Other Engineering And Related Technologies
Qualification/Course Level of Education Identifier	511	Certificate IV
Taxonomy - Industry Sector	N/A	Utilities Services, Electricity Generation Maintenance, Electricity Industry
Taxonomy - Occupation	N/A	Electrical/Electronic Maintenance Technician (Electricity Supply Industry), Electrical Supervisor (High Voltage Substation Construction), Electrical Technician (Electricity Supply Industry), Instrumentation and Control Technician

Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	399213	Power Generation Plant Operator	2022/04/20	
ASCED Qualification/Course Field of Education Identifier	0399	Other Engineering And Related Technologies	2022/04/20	
Qualification/Course Level of Education Identifier	511	Certificate IV	2022/04/20	