

Qualification details



UEP50318 - Diploma of ESI Generation (Maintenance)

Summary

Releases:	Release	Status	Release date
	2	Current	2021/04/21
	1	Replaced	2018/10/31

Usage recommendation: **Superseded**

Mapping:	Mapping	Notes	Date
	Is superseded by and equivalent to UEP50322 - Diploma of ESI Generation (Maintenance)		2022/04/20
	Supersedes and is equivalent to UEP50312 - Diploma of ESI Generation (Maintenance)		2018/10/31

Training packages that include this qualification

Code	Title	Release
UEP	Electricity Supply Industry - Generation Sector Training Package	1.0

Units of competency

Code	Title	Essential
BSBCUS501	Manage quality customer service	Elective
BSBINM501	Manage an information or knowledge management system	Elective
BSBINN502	Build and sustain an innovative work environment	Elective
BSBLED501	Develop a workplace learning environment	Elective
BSBMGT502	Manage people performance	Elective
BSBMGT516	Facilitate continuous improvement	Elective
BSBMGT517	Manage operational plan	Elective
BSBWHS501	Ensure a safe workplace	Elective
BSBWOR501	Manage personal work priorities and professional development	Elective
BSBWOR502	Lead and manage team effectiveness	Elective
MEM05007C	Perform manual heating and thermal cutting	Elective
MEM05012C	Perform routine manual metal arc welding	Elective
MEM05015D	Weld using manual metal arc welding process	Elective
MEM05016C	Perform advanced welding using manual metal arc welding process	Elective
MEM05017D	Weld using gas metal arc welding process	Elective
MEM05018C	Perform advanced welding using gas metal arc welding process	Elective
MEM05024B	Perform welding supervision	Elective
MEM05026C	Apply welding principles	Elective
MEM05050B	Perform routine gas metal arc welding	Elective
MEM05051A	Select welding processes	Elective

Code	Title	Essential
MEM05052A	Apply safe welding practices	Elective
MEM07005C	Perform general machining	Elective
MEM07006C	Perform lathe operations	Elective
MEM07007C	Perform milling operations	Elective
MEM07008D	Perform grinding operations	Elective
MEM07011B	Perform complex milling operations	Elective
MEM07012B	Perform complex grinding operations	Elective
MEM07021B	Perform complex lathe operations	Elective
MEM09002B	Interpret technical drawing	Core
MEM12003B	Perform precision mechanical measurement	Elective
MEM12023A	Perform engineering measurements	Core
MEM12024A	Perform computations	Elective
MEM18001C	Use hand tools	Core
MEM18002B	Use power tools/hand held operations	Core
MEM18003C	Use tools for precision work	Elective
MEM18006C	Repair and fit engineering components	Elective
MEM18007B	Maintain and repair mechanical drives and mechanical transmission assemblies	Elective
MEM18009B	Perform levelling and alignment of machines and engineering components	Elective
MEM18010C	Perform equipment condition monitoring and recording	Elective
MEM18055B	Dismantle, replace and assemble engineering components	Elective
UEENEEC005B	Estimate electrotechnology projects	Elective
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace	Core
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components	Core
UEENEEE104A	Solve problems in d.c. circuits	Core
UEENEEE105A	Fix and secure electrotechnology equipment	Core
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications	Core
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures	Core
UEENEEG006A	Solve problems in single and three phase low voltage machines	Core
UEENEEG033A	Solve problems in single and three phase low voltage electrical apparatus and circuits	Core
UEENEEG063A	Arrange circuits, control and protection for general electrical installations	Core
UEENEEG101A	Solve problems in electromagnetic devices and related circuits	Core
UEENEEG102A	Solve problems in low voltage a.c. circuits	Core
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits	Core
UEENEEG108A	Trouble-shoot and repair faults in low voltage electrical apparatus and circuits	Core
UEPMNT302	Install and maintain industrial pipe work	Elective
UEPMNT303	Maintain mechanical valves	Elective
UEPMNT304	Maintain mechanical pumps	Elective
UEPMNT305	Maintain industrial fans	Elective
UEPMNT307	Maintain industrial screens, strainers and filters	Elective
UEPMNT308	Maintain conveyors and associated equipment	Elective
UEPMNT309	Maintain material feeders	Elective
UEPMNT310	Maintain material crushers	Elective
UEPMNT311	Maintain fuel transport equipment	Elective
UEPMNT312	Maintain industrial pressure vessels	Elective

Code	Title	Essential
UEPMNT313	Maintain internal combustion engines	Elective
UEPMNT314	Maintain hydro turbines	Elective
UEPMNT315	Maintain wind turbines	Elective
UEPMNT317	Diagnose and repair faults in mechanical equipment	Elective
UEPMNT318	Conduct generator mechanical maintenance	Elective
UEPMNT351	Test and commission electrical equipment	Core
UEPMNT361	Maintain wind turbine mechanical systems	Elective
UEPMNT401	Install and maintain complex mechanical seals	Elective
UEPMNT402	Conduct complex levelling and alignment	Elective
UEPMNT403	Maintain complex mechanical valves	Elective
UEPMNT404	Maintain complex mechanical pumps	Elective
UEPMNT406	Install and maintain a steam turbine	Elective
UEPMNT407	Repair a gas turbine unit	Elective
UEPMNT408	Install hydro turbines	Elective
UEPMNT419	Perform civil drafting	Elective
UEPMNT421	Conduct technical inspection of process plant and equipment	Core
UEPMNT422	Conduct performance testing on process plant and equipment	Elective
UEPMNT424	Monitor efficiency of thermal steam cycle power plant	Elective
UEPMNT435	Diagnose and repair faults in wind turbine mechanical systems	Elective
UEPOPS202	Apply quality systems to work	Core
UEPOPS210	Conduct first response within a workplace team	Elective
UEPOPS301	Conduct single energy source isolation procedures for permit to work	Elective
UEPOPS337	Maintain quality systems within the team	Core
UEPOPS338	Facilitate workplace communication	Core
UEPOPS369	Respond to a critical incident	Elective
UEPOPS402	Conduct multiple energy source isolation procedures for permit to work	Elective
UEPOPS403	Coordinate permit to work system	Elective
UEPOPS404	Coordinate first response team operation	Elective
UEPOPS416	Monitor implementation of quality control for production and maintenance	Core
UEPOPS417	Monitor and implement environmental site plans and procedures	Core
UEPOPS420	Coordinate network/system	Elective
UEPOPS422	Schedule generation	Elective
UEPOPS425	Produce maintenance plans for generation production plant	Core
UEPOPS430	Control permit to work operations	Core
UEPOPS439	Plan and organise work	Core
UEPOPS440	Coordinate team activities	Core
UEPOPS454	Coordinate response to critical incidents	Elective
UEPOPS456	Perform switching to a switching program	Elective
UEPOPS457	Control electrical energy production	Elective
UEPOPS501	Manage Work, Health and Safety policy and procedures	Core
UEPOPS502	Manage permit to work system	Elective
UEPOPS505	Produce maintenance strategies for generation production plant	Core
UEPOPS507	Conduct project management	Core
UEPOPS508	Manage commissioning and decommissioning	Elective
UEPOPS509	Manage quality control procedures	Elective

Code	Title	Essential
UEPOPS510	Monitor power generation plant reliability	Elective
UEPOPS511	Tune process plant and equipment	Elective
UEPOPS512	Manage high voltage network system	Elective
UEPOPS513	Manage operational crisis to maintain or restore power system integrity	Elective
UEPOPS515	Coordinate power generation	Elective
UEPOPS520	Evaluate cost estimations and initiate appropriate solutions	Elective
UEPOPS523	Manage critical incidents	Elective
UEPOPS524	Evaluate scheduling of generation plant	Elective
UEPOPS525	Coordinate and direct switching program	Elective
UEPOPS526	Coordinate electrical energy production	Elective
UEPOPS527	Manage first response team	Elective
UEPOPS528	Manage environmental management systems	Elective
UEPOPS529	Manage operational strategies for power production	Elective

Classifications

Scheme	Code	Name
ANZSCO Identifier	312312	Electrical Engineering Technician
ASCED Qualification/Course Field of Education Identifier	0399	Other Engineering And Related Technologies
Qualification/Course Level of Education Identifier	421	Diploma
Taxonomy - Industry Sector	N/A	Electricity Generation Maintenance
Taxonomy - Occupation	N/A	Maintenance Technical Officer (Electricity Supply Industry)

Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	312312	Electrical Engineering Technician	2018/10/31	
ASCED Qualification/Course Field of Education Identifier	0399	Other Engineering And Related Technologies	2018/10/31	
Qualification/Course Level of Education Identifier	421	Diploma	2018/10/31	