

UEP30212 CERTIFICATE III IN ESI GENERATION – OPERATIONS

Entura’s operations course provides participants with a mixture of classroom theory, as well as practical demonstrations of functioning equipment, to prepare trades-based staff to safely and efficiently operate power generating equipment and associated switchgear, including circuit reading and fault finding.

The course includes a site specific tailored practical program for the training and assessment of operational competency, transferring the practical and operational knowledge of our experienced operational staff to the trainee operator in a structured and certified program.

The essential knowledge and skills will be provided in either a classroom or e-learn methodology as part of the initial formal component of the overall training. The training can be clustered to provide efficiencies in both training and assessment.

The practical field-based activities will include both training and assessment activities. Trainees will need to be mentored by appropriate senior staff. Where required, their mentor will need to sign off on an activity that has been completed using a workplace competency assessment workbook.

COMPLETION REQUIREMENTS

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

- all the core competency standard units, defined in the core competency standard units table
- a combination of elective competency standard units to achieve a total weighting of 620 points in accordance with the elective competency standard units table, including any associated prerequisite units.

Those gaining this qualification will be able to complete work functions such as the development of operational procedures and systems, and manage the start-up and shut-down of generation plant, and correctly assist with the maintenance and asic operations of generating plant and supporting infrastructure. It also includes the implementation of safe working practices, environmental procedures, management and supervision of

others, and the coordination of work activities of individuals and/or teams.

CORE COMPETENCY STANDARD UNITS

All core competency standard units to be achieved

UEENEEE101A	Apply occupational health and safety regulations, codes and practices in the workplace
UEPOPS202B	Apply quality systems to work
UEPOPS204B	Maintain and utilise records
UEPOPS209B	Perform process plant inspections
UEPOPS249B	Liaise with stakeholders
UEPOPS252A	Undertake local systems operations
UEPOPS301B	Conduct single energy source isolation procedures for permit to work
UEPOPS352B	Conduct operational checks on in-service mechanical plant
UEPOPS356B	Apply environmental and sustainable energy procedures
UEPOPS364A	Ensure compliance and OHS policy and procedures
UEPOPS369A	Respond to a critical incident
UEPOPS371A	Carry out operational checks on in-service electrical plant

ELECTIVE COMPETENCY STANDARD UNITS

Total weighting of 620 points

Group A – minimum 0 and maximum 160 points

BSBFLM303	Contribute to effective workplace relationships	40
BSBFLM305	Support operational plan	40
BSBFLM306	Provide workplace information and resourcing plans	40
BSBFLM309	Support continuous improvement systems and processes	40
BSBFLM311	Support a workplace learning environment	40
BSBFLM312	Contribute to team effectiveness	40
BSBINN301	Promote innovation in a team environment	40
BSBWOR301	Organise personal work priorities and development	40
CPCCLHS3001A	Licence to operate a personnel and materials hoist*	30
CPCCLHS3002A	Licence to operate a materials hoist*	20
CPCCLDG3001A	Licence to perform dogging*	30
CPCCLRG3001A	Licence to perform rigging basic level* (prerequisite required CPCCLDG3001A Licence to perform dogging)	40
CPCCLRG3002A	Licence to perform rigging intermediate level* (prerequisite required CPCCLRG3001A Licence to perform rigging basic level)	40
CPCCLRG4001A	Licence to perform rigging advanced level* (prerequisite required CPCCLRG3002A Licence to perform rigging intermediate level)	40
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level*	40
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level* (prerequisite CPCCLSF2001A Licence to erect, alter and dismantle scaffolding basic level)	40
CPCCLSF4001A	Licence to erect, alter and dismantle scaffolding advanced level* (prerequisite CPCCLSF3001A Licence to erect, alter and dismantle scaffolding intermediate level)	40
MEM05004C	Perform routine oxy acetylene welding	20
MEM05007C	Perform manual heating and thermal cutting	20

MEM05012C	Perform routine manual metal arc welding	20
NWPSOU022	Monitor and control dam operations	50
NWPSOU023	Monitor and implement dam maintenance	50
NWPSOU027	Route floods through storages	50
TLILIC2001	Licence to operate a forklift truck*	40

Group B – minimum 460 and maximum 620 points

UEENEEE102A	Fabricate, dismantle, assemble of utilities industry components (prerequisite required UEENEE101A Apply OHS regulations, codes and practices in the workplace)	40
UEPOPS203B	Operate and monitor communications systems	20
UEPOPS205B	Conduct minor mechanical maintenance	40
UEPOPS206B	Conduct minor electrical maintenance	40
UEPOPS207B	Perform plant lubrication	20
UEPOPS211B	Clean plant and equipment	20
UEPOPS309B	Operate and monitor air conditioning plant and ventilation systems	20
UEPOPS317B	Operate and monitor fixed fire protection systems	30
UEPOPS320B	Operate and monitor compressed air systems	30
UEPOPS326B	Operate and monitor oil systems	30
UEPOPS327B	Monitor and maintain civil assets	30
UEPOPS328B	Undertake dam safety surveillance	30
UEPOPS334B	Operate and monitor a wind generator	60
UEPOPS335B	Operate a hydro generator/ synchronous condenser / pump unit	60
UEPOPS337B	Maintain quality systems within the team (prerequisite required UEPOPS202B Apply quality systems to work)	20
UEPOPS338B	Facilitate effective workplace communications	20
UEPOPS342B	Interpret and analyse single operation protection devices	60
UEPOPS343B	Operate hydro-electric generating plant and auxiliary equipment	60
UEPOPS344B	Conduct water conveyance and control	30

UEPOPS345B	Implement dam safety surveillance procedures	30
UEPOPS346B	Conduct non-routine operational testing	60
UEPOPS347B	Operate and monitor supervisory, control and data acquisition systems	40
UEPOPS349B	Operate local H.V. switchgear	40
UEPOPS351B	Operate H.V. condition changing apparatus	60
UEPOPS355B	Monitor the implementation of under frequency load shedding	60
UEPOPS357B	Operate local L.V. switchgear	40
UEPOPS358A	Monitor and maintain wind farm civil assets	40
UEPOPS359A	Monitor climatic conditions for renewable energy production	40
UEPOPS360A	Operate and monitor a hydro turbine	60
UEPOPS361A	Operate and monitor hydro plant auxiliary systems	60
UEPOPS362A	Operate and monitor generator/alternator	60
UEPOPS368A	Operate manual systems (prerequisite required UEPOPS252A Undertake local systems operations)	30
UEPOPS370A	Facilitate the use of contingency plans	60

*Not provided. Credit transfer is possible with proof of attainment.

Prerequisites may apply to units.

The elective units provided relate best to students in the hydropower industry. Please check the full training package available at training.gov.au for all options.