

## UEP30218 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 740 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 function such as the development of operational procedures and systems, manage the start-up and shut-down of generation plant. 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*

UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEPOPS202	Apply quality systems to work
UEPOPS204	Maintain and utilise records
UEPOPS209	Perform process plant inspections
UEPOPS249	Liaise with stakeholders
UEPOPS252	Undertake local systems operations
UEPOPS301	Conduct single energy source isolation procedures for permit to work
UEPOPS352	Conduct operational checks on in-service mechanical plant
UEPOPS356	Apply environmental and sustainable energy procedures
UEPOPS364	Ensure compliance with Work, Health and Safety policy and procedures
UEPOPS369	Respond to a critical incident
UEPOPS371	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

BSBLDR301	Support effective workplace relationships	40
BSBOPS402	Coordinate business operational plans	40
BSBOPS301	Maintain business resources	40
BSBSTR301	Contribute to continuous improvement	40
BSBHRM413	Support the learning and development of teams and individuals	40
BSBTWK201	Work effectively with others	40
BSBSTR401	Promote innovation in team environments	40
BSBPEF301	Organise personal work priorities	40
CPCCLDG3001	Licence to perform dogging*	30
CPCCLHS3001	Licence to operate a personnel and materials hoist*	30
CPCCLHS3002	Licence to operate a materials hoist*	20
CPCCLRG3001	Licence to perform rigging basic level* (prerequisite required CPCCLDG3001 Licence to perform dogging)	40
CPCCLRG3002	Licence to perform rigging intermediate level* (prerequisite required CPCCLRG3001 Licence to perform rigging basic level)	40
CPCCLRG4001	Licence to perform rigging advanced level* (prerequisite required CPCCLRG3002 Licence to perform rigging intermediate level)	40
CPCCLSF2001	Licence to erect, alter and dismantle scaffolding basic level*	40
CPCCLSF3001	Licence to erect, alter and dismantle scaffolding intermediate level* (prerequisite CPCCLSF2001 Licence to erect, alter and dismantle scaffolding basic level)	40
CPCCLSF4001	Licence to erect, alter and dismantle scaffolding advanced level* (prerequisite CPCCLSF3001 Licence to erect, alter and dismantle scaffolding intermediate level)	40
MEM05004	Perform routine oxy fuel gas welding	20
MEM05007	Perform manual heating and thermal cutting	20
MEM05012	Perform routine manual metal arc welding	20

NWPCAD008	Monitor and control dam operations	50
NWPCAD009	Monitor and implement dam maintenance	50
NWPCAD012	Route floods through storages	50
TLILIC003	Licence to operate a forklift truck*	40

Group B – minimum 460 and maximum 620 points

UEECD0019	Fabricate, assemble and dismantle utilities industry components (prerequisite required UEECD0007 Apply work health and safety regulations, codes and practices in the workplace)	40
UEPOPS203	Operate and monitor communications system	20
UEPOPS205	Conduct minor mechanical maintenance	40
UEPOPS206	Conduct minor electrical maintenance	40
UEPOPS207	Perform plant lubrication	20
UEPOPS211	Clean plant and equipment	20
UEPOPS309	Operate and monitor air conditioning plant and ventilation systems	20
UEPOPS317	Operate and monitor fixed fire protection systems	30
UEPOPS320	Operate and monitor compressed air systems	30
UEPOPS326	Operate and monitor oil systems	30
UEPOPS327	Monitor and maintain civil assets	30
UEPOPS328	Undertake dam safety surveillance	30
UEPOPS334	Operate and monitor a wind generator	60
UEPOPS335	Operate a hydro generator synchronous condenser pump unit	60
UEPOPS337	Maintain quality systems within the team (prerequisite required UEPOPS202 Apply quality systems to work)	20
UEPOPS338	Facilitate effective workplace communication	20
UEPOPS342	Analyse single protection device operation	60
UEPOPS343	Operate hydro-electric generating plant and auxiliary equipment	60
UEPOPS344	Conduct water conveyance and control	30
UEPOPS345	Implement dam safety surveillance procedures	30

UEPOPS346	Conduct non-routine operational testing	60
UEPOPS347	Operate and monitor supervisory, control and data acquisition systems	40
UEPOPS349	Operate local H.V. switchgear	40
UEPOPS351	Operate H.V. condition changing apparatus	60
UEPOPS355	Monitor the implementation of under frequency load shedding	60
UEPOPS357	Operate local L.V. switchgear	40
UEPOPS358	Monitor and maintain wind farm civil assets	40
UEPOPS359	Monitor climatic conditions for renewable energy production	40
UEPOPS360	Operate and monitor a hydro turbine	60
UEPOPS361	Operate and monitor hydro plant auxiliary systems	60
UEPOPS362	Operate and monitor generator/alternator	60
UEPOPS368	Operate manual systems (prerequisite required UEPOPS252 Undertake local systems operations)	30
UEPOPS370	Facilitate the use of contingency plans for power generation facilities	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 <https://training.gov.au/> for all options.