



National Certificate in Electricity Supply (Metering Technician) with optional strands in Low Voltage Time of Use, and High Voltage Time of Use

level of qualification: 4

credit total: 61

Purpose and content of the National Certificate

Purpose:

This National Certificate caters for people within this industry whose primary role is carrying out acceptance, installation, commissioning, and maintenance testing of metering equipment installed on an electricity supply system. Optional strands are available for those technicians who specialise in low voltage or high voltage time of use metering.

Content:

Compulsory unit standards

metering

		level	credit
19309	Install electricity metering control relays	3	2
19310	Install electricity metering single-phase whole current meters	4	3
19311	Install electricity metering poly-phase whole current meters	4	3
19312	Transport and package electricity metering revenue meters and test equipment	2	2
19313	Demonstrate knowledge of electricity metering systems and installations	4	10
23784	Describe the electricity metering Codes of Practice	4	10

writing

9703	Write job procedures	5	3
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Elective 1

A minimum of 13 credits is required

metering

19314	Programme electricity meter data loggers in the electricity supply industry	4	3
19315	Bench test and adjust electricity meters	4	5
19316	Design a current transformer (CT) electricity meter installation	5	12
19318	Install and commission electricity current transformer metering	5	10



level credit

Elective 2

A minimum of 15 credits at Level 4 or above from any domain in either the electrical engineering or the electricity supply domain

Low voltage time of use optional strand

A minimum of 17 credits is required

metering

19317	Design a high voltage (HV) electricity meter installation	5	5
19320	Calibrate revenue metering current transformers in the electricity supply industry	5	12
19322	Calibrate high accuracy electricity meters in the electricity supply industry	5	12

High voltage time of use optional strand

compulsory

metering

19319	Install and commission voltage transformer metering in the electricity supply industry	4	12
19655	Demonstrate knowledge of electricity protection systems affecting metering installations	5	4

High voltage time of use elective

A minimum of 5 credits is required.

metering

19317	Design a high voltage (HV) electricity meter installation	5	5
19320	Calibrate revenue metering current transformers in the electricity supply industry	5	12
19321	Calibrate revenue metering voltage transformers in the electricity supply industry	5	12
19322	Calibrate high accuracy electricity meters in the electricity supply industry	5	12