



National Certificate in Electricity Supply (Hydro Operator)

level of qualification: 4

credit total: 77

Purpose and content of the National Certificate

Purpose:

This National Certificate covers the skills required to operate hydro-electric generating plants, co-ordinate power system outages, and manage water resources, along with other skills required to undertake the role of a Hydro Operator.

Content:

Compulsory unit standards

power system management

		level	credit
12385	Operate hydro-electric generating plant on site	4	8
12386	Operate electricity generating electrical control systems on site	4	6
12388	Operate hydro-electric station auxiliary plant	4	8
15568	Co-ordinate power system outages	5	10
18279	Manage water resources for on site electricity generation	4	8
24691	Demonstrate knowledge of a.c. generators for hydro-electric generation	4	15
24692	Demonstrate knowledge of water turbine governors for hydro-electric power plant	4	10
24693	Demonstrate knowledge of water turbines for hydro-electric power plant	4	12

optional standard

power system management

15578	Maintain electricity system frequency and voltage within agreed tolerances	5	6
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