

Training courses offered, please scroll down

Qualification ID	Qualification Title	NQF Level	Credits
58204	Further Education and Training Certificate: Cable Jointing and Termination	Level: 4	228
63889	National Certificate: Electrical Engineering	Level: 4	130

Skill Programme Code	Skill Programme Title	NQF Level	Minimum Credits
03SP20220622001	EWSETA GENERIC SKILLS PROGRAMME		0

Learning Programme ID	Learning Programme Title	NQF Level	Minimum Credits
63789	National Certificate: Electrical Engineering	Level: 2	140
63790	National Certificate: Electrical Engineering	Level: 3	133
63889	Further Education and Training Certificate: Electrical Engineering	Level: 4	130
67435	National Certificate: Electrical Engineering: Renewable Energy	Level: 2	140
72079	National Certificate: Electrical Engineering: Electrical Generation	Level: 3	133
72081	National Certificate: Electrical Engineering: Renewable Energy	Level: 3	133

Unit Standard/s linked to your organisation

Unit Standard ID	Unit Standard Title	NQF Level	Credits
[58204] Further Education and Training Certificate: Cable Jointing and Termination			
10621	Identify the correct phase sequence on high voltage transformers and cables	Level 3	3
10810	Join metals by means of Tungsten Inert Gas (TIG) welding	Level 3	6
10981	Supervise work unit to achieve work unit objectives (individuals and teams)	Level 4	12
113862	Install and terminate Medium/High Voltage cables	Level 4	6
114877	Formulate and implement an action plan to improve productivity within an organisational unit	Level 4	8
116292	Demonstrate an understanding of the principles of manufacturing and assembly logistics planning	Level 4	12
116692	Plan, organise and control the erection, alteration/repositioning and dismantling of access scaffolding	Level 4	12
116714	Lead a team, plan, allocate and assess their work	Level 3	4
119467	Use language and communication in occupational learning programmes	Level 3	5
119471	Use language and communication in occupational learning programmes	Level 4	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
119915	Manage personal expenditure	Level 3	3
242810	Manage Expenditure against a budget	Level 4	6
243667	Co-ordinate activities and manage the cable jointing site	Level 4	6
243668	Joint and terminate a range of 11-33kV cables in a range of settings	Level 4	72
243669	Manage cable jointing resources	Level 4	8
9015	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	Level 4	6
9016	Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 4	4
9885	Read and interpret engineering drawings	Level 3	12
11775	Test, diagnose and locate a fault on a high voltage electrical cable	Level 3	9
119257	Produce and maintain work activity reports	Level 4	8
119457	Interpret and use information from texts	Level 3	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
119462	Engage in sustained oral/signed communication and evaluate spoken/signed texts	Level 4	5
119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
12153	Use the writing process to compose texts required in the business environment	Level 4	5
12155	Apply comprehension skills to engage written texts in a business environment	Level 4	5
12455	Perform the role of a safety, health and environmental protection representative	Level 3	4
13224	Monitor the application of safety, health and environmental protection procedures	Level 4	4
13235	Maintain the quality assurance system	Level 4	5
13254	Contribute to the implementation and maintenance of business processes	Level 4	10
7468	Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues	Level 4	6
[63889] National Certificate: Electrical Engineering			
9015	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	Level 4	6
7468	Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues	Level 4	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
8556	Interact orally and in writing in the workplace	Level 4	10
8975	Read analyse and respond to a variety of texts	Level 4	5
8976	Write for a wide range of contexts	Level 4	5
8979	Use language and communication in occupational learning programmes	Level 4	5
9843	Design lighting systems	Level 5	7
10278	Repair three phase AC motor control gear	Level 4	12
10281	Connect and commission a three-phase direct on line motor control system	Level 3	6
10282	Maintain an AC or DC drive unit	Level 4	12
10283	Audit and do specialised repairs on lighting systems	Level 5	5
10284	Survey lighting systems	Level 5	7
10621	Identify the correct phase sequence on high voltage transformers and cables	Level 3	3

Unit Standard ID	Unit Standard Title	NQF Level	Credits
10649	Replace a 3-phase electrical motor between 5,5 kW and 75 kW	Level 3	3
10733	Install an electronic control unit for AC pole changing motors	Level 3	6
12414	Diagnose and repair faults on low voltage transformers and equipment	Level 4	6
12417	Measure, estimate & calculate physical quantities & explore, critique & prove geometrical relationships in 2 and 3 dimensional space in the life and workplace of adult with increasing responsibilities	Level 4	4
13791	Fault find on single phase alternating current (AC) systems	Level 3	8

Unit Standard ID	Unit Standard Title	NQF Level	Credits
[00000] EWSETA GENERIC SKILLS PROGRAMME			
10233	Install or replace electrical metering units or measuring instrument	Level: 2	4
10234	Install low voltage transformers	Level: 2	6
10253	Install electric wire ways	Level: 2	6
10255	Select, use and care for power tools	Level: 2	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
113876	Identify, inspect and clean electrical machines	Level: 2	4
113879	Install luminaires	Level: 2	4
113898	Complete certificate of compliance for a single phase domestic installation	Level: 4	5
114594	Apply the principles of costing and pricing to a business venture	Level: 4	6
116932	Operate a personal computer system	Level: 1	3
116938	Use a Graphical User Interface (GUI)-based word processor to create and edit documents	Level: 1	4
117156	Interpret basic financial statements	Level: 4	4
119454	Maintain and adapt oral/signed communication	Level: 2	5
119456	Write/present for a defined context	Level: 2	5
119460	Use language and communication in occupational learning programmes	Level: 2	5
119463	Access and use information from texts	Level: 2	5
11954	Design and construct a single phase circuit	Level: 2	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
12465	Develop a learning plan and a portfolio for assessment	Level: 2	6
12466	Explain the individual's role within business	Level: 2	4
12483	Perform basic first aid	Level: 2	4
12484	Perform basic fire fighting	Level: 2	4
13657	Install and commission direct current (DC) machines	Level: 4	8
13683	Issue certificate of compliance for a domestic/commercial/industrial installation	Level: 5	5
258917	Maintain batteries, battery rooms or tripping units	Level: 2	7
258918	Select, use and care for electrical measuring and testing instruments	Level: 2	4
258919	Install or replace electrical metering units or measuring instrument	Level: 2	4
258920	Carry out basic gas welding, brazing and cutting in an electrical environment	Level: 2	8
258921	Install, join and terminate Low Voltage cables and conductors	Level: 2	8
258924	Fault Find, Test and Repair Domestic Appliances	Level: 3	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258925	Apply and maintain safety in a working environment	Level: 2	5
258929	Carry out a detailed electrical inspection on an isolated overhead line	Level: 2	3
258932	Apply soldering techniques	Level: 2	2
258935	Design and construct a single phase circuit	Level: 2	5
258937	Install, maintain or replace Low Voltage distribution boards, protection devices and components	Level: 2	6
258938	Handle and care for portable electrical earthing gear and related equipment	Level: 2	2
258939	Carry out basic electric arc welding in an electrical environment	Level: 2	8
258941	Inspect and clean Medium or High voltage yards and enclosures	Level: 2	2
258942	Install luminaires	Level: 2	4
258957	Identify, inspect, use, maintain and care for engineering hand tools	Level: 2	6
258960	Install electric wire ways	Level: 2	6
258961	Repair and maintain electric power tools	Level: 3	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258962	Maintain transformers	Level: 2	5
258966	Inspect and test a single phase domestic installation	Level: 3	10
258967	Understand fundamentals of electricity	Level: 2	8
258977	Understand basic electronic theory and components	Level: 3	4
259017	Identify, inspect, clean and maintain electrical rotating machines	Level: 2	6
259078	Install and commission electrical metering units, measuring instruments and control devices	Level: 2	8
259184	Construct, maintain and dismantle High Voltage overhead networks	Level: 4	20
259197	Test and inspect a three phase industrial/commercial installation	Level: 4	10
7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	Level: 2	2
7480	Demonstrate understanding of rational and irrational numbers and number systems	Level: 2	3
9007	Work with a range of patterns and functions and solve problems	Level: 2	5
9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	Level: 2	3

Unit Standard ID	Unit Standard Title	NQF Level	Credits
9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	Level: 2	3
9881	Mark off basic regular engineering shapes	Level: 2	6
9960	Communicate verbally and non-verbally in the workplace	Level: 3	8
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10233	Install or replace electrical metering units or measuring instrument	Level: 2	4
10234	Install low voltage transformers	Level: 2	6
10253	Install electric wire ways	Level: 2	6
10255	Select, use and care for power tools	Level: 2	5
113876	Identify, inspect and clean electrical machines	Level: 2	4
113879	Install luminaires	Level: 2	4
113898	Complete certificate of compliance for a single phase domestic installation	Level: 4	5
114594	Apply the principles of costing and pricing to a business venture	Level: 4	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
116932	Operate a personal computer system	Level: 1	3
116938	Use a Graphical User Interface (GUI)-based word processor to create and edit documents	Level: 1	4
117156	Interpret basic financial statements	Level: 4	4
119454	Maintain and adapt oral/signed communication	Level: 2	5
119456	Write/present for a defined context	Level: 2	5
119460	Use language and communication in occupational learning programmes	Level: 2	5
119463	Access and use information from texts	Level: 2	5
11954	Design and construct a single phase circuit	Level: 2	5
12465	Develop a learning plan and a portfolio for assessment	Level: 2	6
12466	Explain the individual's role within business	Level: 2	4
12483	Perform basic first aid	Level: 2	4

Unit Standard ID	Unit Standard Title	NQF Level	Credits
12484	Perform basic fire fighting	Level: 2	4
13657	Install and commission direct current (DC) machines	Level: 4	8
13683	Issue certificate of compliance for a domestic/commercial/industrial installation	Level: 5	5
258917	Maintain batteries, battery rooms or tripping units	Level: 2	7
258918	Select, use and care for electrical measuring and testing instruments	Level: 2	4
258919	Install or replace electrical metering units or measuring instrument	Level: 2	4
258920	Carry out basic gas welding, brazing and cutting in an electrical environment	Level: 2	8
258921	Install, join and terminate Low Voltage cables and conductors	Level: 2	8
258924	Fault Find, Test and Repair Domestic Appliances	Level: 3	6
258925	Apply and maintain safety in a working environment	Level: 2	5
258929	Carry out a detailed electrical inspection on an isolated overhead line	Level: 2	3
258932	Apply soldering techniques	Level: 2	2

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258935	Design and construct a single phase circuit	Level: 2	5
258937	Install, maintain or replace Low Voltage distribution boards, protection devices and components	Level: 2	6
258938	Handle and care for portable electrical earthing gear and related equipment	Level: 2	2
258939	Carry out basic electric arc welding in an electrical environment	Level: 2	8
258941	Inspect and clean Medium or High voltage yards and enclosures	Level: 2	2
258942	Install luminaires	Level: 2	4
258957	Identify, inspect, use, maintain and care for engineering hand tools	Level: 2	6
258960	Install electric wire ways	Level: 2	6
258961	Repair and maintain electric power tools	Level: 3	6
258962	Maintain transformers	Level: 2	5
258966	Inspect and test a single phase domestic installation	Level: 3	10
258967	Understand fundamentals of electricity	Level: 2	8

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258977	Understand basic electronic theory and components	Level: 3	4
259017	Identify, inspect, clean and maintain electrical rotating machines	Level: 2	6
259078	Install and commission electrical metering units, measuring instruments and control devices	Level: 2	8
259184	Construct, maintain and dismantle High Voltage overhead networks	Level: 4	20
259197	Test and inspect a three phase industrial/commercial installation	Level: 4	10
7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	Level: 2	2
7480	Demonstrate understanding of rational and irrational numbers and number systems	Level: 2	3
9007	Work with a range of patterns and functions and solve problems	Level: 2	5
9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	Level: 2	3
9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	Level: 2	3
9881	Mark off basic regular engineering shapes	Level: 2	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
9960	Communicate verbally and non-verbally in the workplace	Level: 3	8

Unit Standard ID	Unit Standard Title	NQF Level	Credits
[63789] National Certificate: Electrical Engineering			
7480	Demonstrate understanding of rational and irrational numbers and number systems	Level 2	3
7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	Level 2	2
259017	Identify, inspect, clean and maintain electrical rotating machines	Level 2	6
258967	Understand fundamentals of electricity	Level 2	8
258962	Maintain transformers	Level 2	5
258960	Install electric wire ways	Level 2	6
258957	Identify, inspect, use, maintain and care for engineering hand tools	Level 2	6
258942	Install luminaires	Level 2	4

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258937	Install, maintain or replace Low Voltage distribution boards, protection devices and components	Level 2	6
258935	Design and construct a single phase circuit	Level 2	5
258932	Apply soldering techniques	Level 2	2
258925	Apply and maintain safety in a working environment	Level 2	5
258921	Install, join and terminate Low Voltage cables and conductors	Level 2	8
258919	Install or replace electrical metering units or measuring instrument	Level 2	4
258918	Select, use and care for electrical measuring and testing instruments	Level 2	4
119463	Access and use information from texts	Level 2	5
119460	Use language and communication in occupational learning programmes	Level 2	5
119456	Write/present for a defined context	Level 2	5
119454	Maintain and adapt oral/signed communication	Level 2	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
12466	Explain the individual`s role within business	Level 2	4
10255	Select, use and care for power tools	Level 2	5
9881	Mark off basic regular engineering shapes	Level 2	6
9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	Level 2	3
9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	Level 2	3
9007	Work with a range of patterns and functions and solve problems	Level 2	5
[63790] National Certificate: Electrical Engineering			
116678	Install and maintain a solar hot water system	Level 3	5
119467	Use language and communication in occupational learning programmes	Level 3	5
119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
259058	Perform work on energised Low Voltage networks	Level 3	8
259077	Install and commission direct-on-line AC rotating machines and control gear	Level 3	10

Unit Standard ID	Unit Standard Title	NQF Level	Credits
259078	Install and commission electrical metering units, measuring instruments and control devices	Level 2	8
9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	2
9012	Investigate life and work related problems using data and probabilities	Level 3	5
9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4
9530	Manage work time effectively	Level 3	3
258924	Fault Find, Test and Repair Domestic Appliances	Level 3	6
258959	Operate on Low Voltage networks	Level 3	12
258961	Repair and maintain electric power tools	Level 3	6
258965	Maintain lighting systems	Level 3	4
258968	Wire and commission domestic or commercial electrical circuits	Level 3	8
258977	Understand basic electronic theory and components	Level 3	4

Unit Standard ID	Unit Standard Title	NQF Level	Credits
259037	Design and install electrical wire ways	Level 3	8
259038	Maintain and repair direct-on-line AC rotating machines and control gear	Level 3	8
116937	Use a Graphical User Interface (GUI)-based spreadsheet application to create and edit spreadsheets	Level 2	4
119457	Interpret and use information from texts	Level 3	5
119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5
10270	Construct Basic Electronic Circuits	Level 3	4
113884	Fault find and repair a stand-alone battery charging wind turbine	Level 4	5
113885	Lower, inspect service and maintain a stand-alone battery charging wind turbine	Level 4	5
113898	Complete certificate of compliance for a single phase domestic installation	Level 4	5
113900	Operate on Medium Voltage radial networks	Level 4	20
114586	Manage finances of a new venture	Level 4	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
114592	Produce business plans for a new venture	Level 4	8
114593	Tender to secure business for a new venture	Level 4	5
114598	Demonstrate an understanding of an entrepreneurial profile	Level 4	5
116674	Demonstrate an understanding of energy efficiency	Level 3	4
[63889] Further Education and Training Certificate: Electrical Engineering			
10639	Advance or retreat electrical reticulation in an underground coal section	Level 3	6
113873	Understand basic electrical and mechanical engineering principles	Level 4	8
113884	Fault find and repair a stand-alone battery charging wind turbine	Level 4	5
113885	Lower, inspect service and maintain a stand-alone battery charging wind turbine	Level 4	5
113888	Design a stand alone renewable energy system	Level 4	10
113890	Design a wind/solar hybrid system	Level 4	5
113892	Design a solar pump system	Level 4	4

Unit Standard ID	Unit Standard Title	NQF Level	Credits
113897	Troubleshoot on programmable logic controllers	Level 4	5
113898	Complete certificate of compliance for a single phase domestic installation	Level 4	5
113899	Demonstrate an understanding of basic programmable logic controllers	Level 3	6
113901	Demonstrate an understanding of process communication systems	Level 4	8
116434	Control electrical networks from a control centre	Level 4	10
119467	Use language and communication in occupational learning programmes	Level 3	5
119469	Read/view, analyse and respond to a variety of texts	Level 4	5
119471	Use language and communication in occupational learning programmes	Level 4	5
119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
13818	Maintain low voltage switchgear	Level 4	4
259177	Maintain, test and repair AC machines and control gear	Level 4	12
259178	Spray-wash energised Medium/High Voltage networks	Level 4	4

Unit Standard ID	Unit Standard Title	NQF Level	Credits
259179	Fault find a medium voltage reticulation system	Level 4	4
259180	Fault-find and repair a DC powered machine	Level 4	6
259181	Operate on High Voltage networks	Level 4	20
259182	Select a back-up generator for a stand-alone renewable energy system	Level 4	4
259183	Fault-find and repair the electrical system of winder installations	Level 4	4
259185	Fault find and repair the electrical system of a conveyor installation	Level 4	5
259186	Maintain and repair Medium Voltage Switchgear	Level 4	7
259187	Install and terminate Medium Voltage cables	Level 4	6
259188	Install and commission direct current (DC) machines	Level 4	8
259189	Joint Medium Voltage cables	Level 4	8
259190	Inspect, test and maintain 3-kV DC regeneration equipment in traction sub-stations	Level 5	8
259191	Inspect, test and maintain Medium/High Voltage transformers	Level 4	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
259192	Maintain unit protection devices on transformers	Level 4	6
259193	Fault find and repair the electrical system of a surface mining production machine	Level 4	4
259194	Inspect, test and maintain 3-kV DC rectifiers and associated equipment in traction sub-stations	Level 4	8
259195	Inspect, test and maintain 3-kV DC high-speed circuit breaker(HSCB) in traction sub-stations	Level 4	8
259196	Install, connect and commission a stand-alone battery charging wind turbine	Level 4	8
259197	Test and inspect a three phase industrial/commercial installation	Level 4	10
259198	Inspect, test and maintain 3-kV DC busbar chamber and associated equipment in traction sub-stations	Level 4	8
259199	Inspect, test and maintain earthing and negative return systems on 3-kV DC traction substations	Level 4	7
259200	Design, construct and commission three phase electrical circuits	Level 4	10
259201	Maintain Direct Current machines and control gear	Level 4	5
259202	Inspect, test and maintain high voltage isolators	Level 4	12

Unit Standard ID	Unit Standard Title	NQF Level	Credits
259204	Operate on Medium Voltage networks	Level 4	20
259205	Inspect, test and maintain Medium/High Voltage earthing systems	Level 4	4
259206	Install/replace medium/high voltage equipment and hardware	Level 4	6
259207	Inspect, record and report condition of Medium/High Voltage station apparatus and related equipment	Level 4	6
259217	Install and commission AC machines and control gear	Level 4	8
259218	Apply the principles of energy efficiency	Level 4	4
259237	Carry out work on energised medium voltage networks	Level 4	16
9015	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	Level 4	6
9016	Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 4	4
119457	Interpret and use information from texts	Level 3	5
119459	Write/present/sign for a wide range of contexts	Level 4	5

Unit Standard ID	Unit Standard Title	NQF Level	Credits
119462	Engage in sustained oral/signed communication and evaluate spoken/signed texts	Level 4	5
119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
7468	Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues	Level 4	6
[67435] National Certificate: Electrical Engineering: Renewable Energy			
258926	Inspect service and maintain a photovoltaic supplied pump	Level 2	3
258927	Install and commission photovoltaic supplied water pump	Level 2	3
[72079] National Certificate: Electrical Engineering: Electrical Generation			
10244	Maintain and repair a high voltage security fence system	Level 2	4
10270	Construct Basic Electronic Circuits	Level 3	4
113900	Operate on Medium Voltage radial networks	Level 4	20
114660	Install Medium Voltage transformers	Level 3	6
116674	Demonstrate an understanding of energy efficiency	Level 3	4

Unit Standard ID	Unit Standard Title	NQF Level	Credits
119467	Use language and communication in occupational learning programmes	Level 3	5
119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
259058	Perform work on energised Low Voltage networks	Level 3	8
259077	Install and commission direct-on-line AC rotating machines and control gear	Level 3	10
259117	Test and maintain electrical mini substations	Level 3	3
9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	2
9012	Investigate life and work related problems using data and probabilities	Level 3	5
9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4
9530	Manage work time effectively	Level 3	3
258930	Isolate a three-phase transformer and carry out tap changes	Level 3	2
258933	Test, diagnose and locate a fault on a high voltage electrical cable	Level 3	9
258958	Install or replace mini substations and ring-main units/switches	Level 3	6

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258959	Operate on Low Voltage networks	Level 3	12
258965	Maintain lighting systems	Level 3	4
258968	Wire and commission domestic or commercial electrical circuits	Level 3	8
258969	Construct, maintain and dismantle Medium Voltage overhead networks	Level 3	14
259038	Maintain and repair direct-on-line AC rotating machines and control gear	Level 3	8
119457	Interpret and use information from texts	Level 3	5
119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5
[72081] National Certificate: Electrical Engineering: Renewable Energy			
10270	Construct Basic Electronic Circuits	Level 3	4
113869	Fault find a photovoltaic supplied system	Level 3	8
113875	Inspect, operate and maintain high mast lighting structures	Level 3	7

Unit Standard ID	Unit Standard Title	NQF Level	Credits
119467	Use language and communication in occupational learning programmes	Level 3	5
119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
259077	Install and commission direct-on-line AC rotating machines and control gear	Level 3	10
9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	2
9012	Investigate life and work related problems using data and probabilities	Level 3	5
9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4
9530	Manage work time effectively	Level 3	3
258958	Install or replace mini substations and ring-main units/switches	Level 3	6
258959	Operate on Low Voltage networks	Level 3	12
258965	Maintain lighting systems	Level 3	4
258968	Wire and commission domestic or commercial electrical circuits	Level 3	8
258969	Construct, maintain and dismantle Medium Voltage overhead networks	Level 3	14

Unit Standard ID	Unit Standard Title	NQF Level	Credits
258997	Install batteries	Level 3	4
259037	Design and install electrical wire ways	Level 3	8
259038	Maintain and repair direct-on-line AC rotating machines and control gear	Level 3	8
119457	Interpret and use information from texts	Level 3	5
119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5

