<table>
<thead>
<tr>
<th>Course</th>
<th>Course Topic</th>
<th>Duration</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BlueScope Steel General Safety Induction</td>
<td>The unit is the minimum requirement for persons to enter and work on the BlueScope Steel site.</td>
<td>4 hours</td>
<td>$120.00</td>
</tr>
<tr>
<td>Road and Rail Induction</td>
<td>This unit is required for persons that have a work need to drive on BlueScope Steel site</td>
<td>2 hours</td>
<td>Combined with General Safety Induction $180.00</td>
</tr>
<tr>
<td>Isolation Locks 1</td>
<td>This unit is required for persons that are required to put on a Personal lock for protection from energy or motion (Incorporates Tagging and Barricading)</td>
<td>2 hours</td>
<td>Combined with General Safety Induction $180.00</td>
</tr>
<tr>
<td>Isolation Locks II</td>
<td>This unit is the theory component for persons who are required to become accredited as an Isolating person</td>
<td>4 hours</td>
<td>$145.00</td>
</tr>
<tr>
<td>3 Day Confined Space Standby Person</td>
<td>This unit is required for persons that are required to enter, work in and act as Standby Person for Confined Spaces at BlueScope Steel sites</td>
<td>24 hours</td>
<td>$730.00</td>
</tr>
<tr>
<td>Confined Space Awareness</td>
<td>This unit is for persons who are required to enter and work in Confined Spaces on the BlueScope Steel sites</td>
<td>4 hours</td>
<td>$145.00</td>
</tr>
<tr>
<td>Confined Space Standby Person Refresher</td>
<td>This unit is a refresher that is required for persons to enter, work in and act as Standby Person for Confined Spaces at BlueScope Steel sites</td>
<td>8 hours</td>
<td>$145</td>
</tr>
<tr>
<td>Self-Contained Breathing Apparatus</td>
<td>This unit is intended for persons that are required to use the Self Contained Breathing Apparatus for protection from atmospheric contaminants</td>
<td>4 hours</td>
<td>$145</td>
</tr>
<tr>
<td>BlueScope Steel WHS Committee Member Training</td>
<td>This training is for nominated BSL committee members to develop their knowledge and skills in legislation, OHS Policies and Procedures, WHS Regulations, risk assessments and other related areas.</td>
<td>16 hours</td>
<td>$360</td>
</tr>
<tr>
<td>Electrical Safety Refresher</td>
<td>This module is designed to refresh electrical personnel on BlueScope Steel electrical safety requirements. It covers Test Before You Touch, fault levels and fault loop impedance, recent incidents and important aspects of the Electrical Safety Manual.</td>
<td>8 hours</td>
<td>$277.00</td>
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<tr>
<td>High Voltage Earthing Officer</td>
<td>The module is intended to instruct plant electrical personnel on the safety aspects of high voltage mains and apparatus and enable the candidate to obtain high voltage Earthing Officer authorisation. The module will concentrate on the steps leading to the safe isolation of typical high voltage circuits. The participants will be involved in analysing a set of switching instructions, practical isolation and tagging, communication with PCO, earthing, and the issue and cancellation of access permits.</td>
<td>16 hours</td>
<td>$555.00</td>
</tr>
<tr>
<td>High Voltage Authorised Person</td>
<td>This module is intended to instruct plant electrical personnel on the safety aspects of high voltage mains and apparatus and enable him/her to obtain high voltage recipient authorisation. The module will concentrate on the requirements and obligations of the recipient of the high voltage access permit. The participants will also learn the roles of the PCO and earthing officer.</td>
<td>16 hours</td>
<td>$277.00</td>
</tr>
<tr>
<td>Miller Installations</td>
<td>This module is designed to give the students an opportunity to install wiring and control equipment on a typical electrical installation found on the plant. The students install wiring and earthing systems and commission and fault find the equipment, leaving it in a fully operational state.</td>
<td>32 hours</td>
<td>$1,110.00</td>
</tr>
<tr>
<td>Electromagnetic Brakes</td>
<td>The module is intended to instruct Electrical personnel in the correct operation and adjustment on the common types of Electromagnetic Brakes used in the steel industry. The types of brakes to be covered are: Perigrip; Witton Kramer; Security M; Cutler Hammer SM and PT Tech disc brake, and students will adjust brakes on operational drive.</td>
<td>8 hours</td>
<td>$277.00</td>
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<tr>
<td>DC Motor Control</td>
<td>The module is intended to refresh electrical personnel in DC Motor control as applicable to the steel industry, with emphasis on BHP standard reversing/plugging circuits and dynamic lowering circuits. This module covers motor characteristics, connections and action as well as schematic diagrams and commutators.</td>
<td>16 hours</td>
<td>$555.00</td>
</tr>
<tr>
<td>AC Motor Control</td>
<td>The module is intended to refresh electrical personnel in AC Motor Control as applicable to the Steel Industry. It deals with Three Phase AC motor theory, AC Contactors, circuit and motor protection, Control Circuitry based on BHP Standard Drawings, Starting Methods and Speed Control. The remainder of the module concentrates on practical fault finding on AC Squirrel Cage motor drives.</td>
<td>16 hours</td>
<td>$555.00</td>
</tr>
<tr>
<td>Electrical Power System, Isolation &amp; Proving De-Energised</td>
<td>This module provides electrical personnel with an understanding of High Voltage Safety, Access Permit Procedures, power distribution, electrical isolation procedures, and disconnection and reconnection tasks.</td>
<td>16 hours</td>
<td>$555.00</td>
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<tr>
<td>Welding &amp; Oxy Cutting</td>
<td>This module provides employees with skills and knowledge in manual thermal cut, heat and gouge process and Manual Metal Arc Welding (MMAW) process. Also addresses the accompanying OHS &amp; Materials.</td>
<td>32 hours</td>
<td>$1,110.00</td>
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<tr>
<td>Sequencing PLCs</td>
<td>This module introduces electrical personnel to the fundamentals of sequencing programmable controllers, with particular emphasis on the basics of programming and fault finding on Allen Bradley Micrologix sequencing programmable controllers. This module is aligned with an ATQF competency standard unit UEENEE007B.</td>
<td>24 hours</td>
<td>$832.00</td>
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<tr>
<td>AC &amp; DC Fault Finding</td>
<td>This module introduces electrical personnel to fundamental schematic diagram reading and relay logic concepts and develops the student’s electrical fault finding skills. The module covers the types of symbols in use and fault finding techniques using typical plant schematic diagrams. The bulk of the module will concentrate on practical fault finding on AC and DC circuits.</td>
<td>16 hours</td>
<td>$555.00</td>
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</table>
### BlueScope Steel Training Course Information

**DC Variable Speed Drives – Regulator**
- This module introduces electrical personnel to the fundamentals of the Regulator control system in a Converter fed DC variable speed drive. It includes theory and laboratory sessions using operational amplifiers, resistors and capacitors. Demonstration and laboratory work are carried out on a fractional horsepower drive and using a Simoreg M converter drive system to demonstrate the sequence of operation.
- Duration: 24 hours
- Fee: $832.00

**Instrument Testing**
- This module is a practical module that covers testing and fault-finding of electrical equipment and domestic installations. This module along with Installation Testing 3 forms a part of the overall Refresher assessment.
- Duration: 15 hours
- Fee: $555.00

**Instrument Concepts – Transducers**
- The module is designed to introduce electrical personnel to the basic concepts of measurement and control using industrial process control equipment. The module will be conducted in a classroom environment using a combination of theory, quizzes and practical exercises.
- Duration: 24 hours
- Fee: $832.00

**Instruments 1 – Pressure**
- The module is designed to introduce electrical personnel to the basic concepts of pressure and differential pressure measurements and their application in industry. It contains content on pressure measurement, conversion, sensor types and calibration using test equipment.
- Duration: 8 hours
- Fee: $277.00

**Instruments 2 – Flow**
- The module is intended to introduce electrical personnel to some methods of industrial instrumentation flow measurement and basic flow control. The module covers flow measurement principles and methods and fault finding on a simple flow process rig.
- Duration: 8 hours
- Fee: $277.00

**Instruments 3 – Temperature**
- The module is intended to introduce electrical personnel to the principles and methods of industrial temperature measurement. The module covers heat and temperature, temperature measuring devices and the use of test equipment for instrument checking and calibration.
- Duration: 16 hours
- Fee: $555.00

**Instruments 4 – Level**
- The module is intended to introduce electrical personnel to the principles of industrial level and liquid density measurement. The module covers density concepts, level measuring devices, calculations involving hydrostatic level transmitters and the use of test equipment for level instrument calibration.
- Duration: 16 hours
- Fee: $555.00

**Instruments 5 – Valves**
- This module is intended to introduce electrical personnel to the use of control valves in industry. The module covers theory on control valves types, valve actuators and positioner function and adjustment.
- Duration: 8 hours
- Fee: $277.00

**DC Variable Speed Drives – Converters**
- The module introduces plant electrical personnel to the fundamental principles of line commutated thyristor converters to enable maintenance and fault finding activities to be carried out. The module will focus on Thyristor Converter theory, interpreting schematic diagrams for the power section and firing circuits. The students will use power oscilloscopes to observe converter functions and for fault finding.
- Duration: 16 hours
- Fee: $555.00

**AC Variable Speed Drives – Inverter**
- The module is intended to introduce plant electrical personnel to the fundamentals of variable voltage, variable frequency inverter drive control systems. The module will cover adjustment of various parameters and also fault finding on Tosvert, Emerson and Control Techniques units through the use of block diagrams, and laboratory and programming exercises.
- Duration: 16 hours
- Fee: $555.00

**Advanced PLC**
- This module covers development, installation and testing of programs for an industrial system requiring advanced control functions. It covers working safely, using structured logic, acceptable design techniques, applying knowledge of high level instructions and documenting development and programming activities. This module is aligned with an ATQC competency standard unit UEENEED009B.
- Duration: 32 hours
- Fee: $1,110.00

**Capstone Electrical Licence Refresher**
- This module provides the knowledge and skills critical to safety in electrical installations in relation to installing, maintaining, repairing, fault-finding, testing and commissioning as required by the National Electro-technology Training Package. It also incorporates the critical aspects of essential performance capability requirements for Licensed Electricians as recommended by ERAC/NULAC to the respective State/Territory Electrical regulators.
- Duration: 16 hours
- Fee: $555.00

**Capstone Electrical Licence Test**
- This module provides the knowledge and skills critical to safety in electrical installations in relation to installing, maintaining, repairing, fault-finding, testing and commissioning as required by the National Electro-technology Training Package. It also incorporates the critical aspects of essential performance capability requirements for Licensed Electricians as recommended by ERAC/NULAC to the respective State/Territory Electrical regulators. This module is intended to be used as a third source of evidence in confirming that a learner has achieved the stated objectives.
- Duration: 16 hours
- Fee: $555.00

**Electrical Verification**
- This workshop provides the knowledge and methods to safely verify the source of supply for electrical equipment installed in industry. It covers previous incidents, the Test Before You Touch procedure. The practical exercises provide the student with opportunities to practice safe verification methods on real installations.
- Duration: 4 hours
- Fee: $139.00

**Low Voltage Switch-room Rescue**
- This module is targeted towards participants requiring qualifications as Safety Observers for live low voltage switchboard testing which complies with Australian Standards AS/NZS 4836:2011 and Health and Safety Amendment (Electrical Work) Regulation:2004.
- Duration: 4 hours
- Fee: $139.00

**Switch-room Access**
- This Module is an induction that applies to all employees and contractors, who are required to enter Electrical Stations within all BlueScope Steel facilities at Port Kembla. It provides an awareness of the electrical hazards likely to be found in an Electrical Station; a list of checks required when entering an Electrical Station and authorisation information for entry into an Electrical Station.
- Duration: 4 hours
- Fee: $139.00

**Vibro Feeders**
- The module is intended to instruct electrical personnel in the operation of ICAL Syntron Vibro Feeders. It covers operational theory, set up and maintenance of feeder and controller and fault finding.
- Duration: 8 hours
- Fee: $277.00

For more information on training click here.