

UET30721 Certificate III in ESI –Rail Traction



Government of Western Australia
Department of Training
and Workforce Development



Aim

This course will provide the student with the competencies to safely carry out installation and maintenance activities on an electricity rail traction network.

Recommended For

Employees of electricity network operators, electricity network contractors and electrical contractors seeking an Electricity Rail Traction Linesworker qualification.

Entry Requirements

To enrol in this course, the person must have:

- completed the industry recognised minimum educational requirement, which is the equivalent of year 10 with passes in a recognised course in English, Maths and Science.
- the required level of language, literacy and numeracy to complete the course (See page 3)

Relationship to Training Package

The course aligns to the UET Transmission, Distribution and Rail Sector Training Package Qualification UET30721 Certificate III in ESI – Rail Traction.

Details

Code: UET30721

Duration: 48 months (nominal)

Course No: Maximum 8 participants

Fee: Please contact ESS as the fee is dependent on the number of participants and the units chosen as electives.
Funding is currently not available for the qualification.

Payment: ESS will invoice the client before each stage of the course. Payment is required within 14 days of the completion of the course stage unless Energy Skills Solutions has agreed to other arrangements.

Dress: ESS will communicate the PPE requirements before each stage of the course.

Content

The course includes the core units of competency:

AHCMOM213	Operate and maintain chainsaws
CPCCLDG3001	Licence to perform dogging
CPCCLRG3001	Licence to perform rigging basic level
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEECD0019	Fabricate, dismantle and assemble utilities industry components
UEECD0044	Solve problems in multiple path circuits
UEECD0046	Solve problems in single path circuits
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications
UEEEL0020	Solve problems in low voltage a.c. circuits
UEEEL0021	Solve problems in magnetic and electromagnetic devices
UETDREL001	Apply environmental requirements
UETDREL004	Operate plant and equipment in the vicinity of live electrical apparatus
UETDREL005	Work safely in the vicinity of live electrical apparatus
UETDRIS007	Install and maintain distribution overhead conductors and cables
UETDRIS012	Install and maintain poles, structures, and hardware
UETDRRT001	Install overhead rail traction configurations
UETDRRT002	Install overhead traction components and equipment
UETDRRT003	Install rail traction bonds
UETDRRT004	Install traction overhead wiring systems
UETDRRT008	Maintain overhead rail traction configurations
UETDRRT009	Maintain overhead traction components and equipment
UETDRRT010	Maintain rail traction bonds
UETDRRT011	Maintain traction overhead wiring systems
UETDRRT012	Operate railroad height access plant near rail traction systems
UETDRRT014	Test and verify rail traction installations

Two (2) elective units of competency must be selected to award the qualification.

Information for the qualification, including the list of elective units of competency can be found and downloaded at:

<https://training.gov.au/Training/Details/UET30721>

Delivery

ESS groups units of competency for delivery in 2 or 3-week course stages.

The grouping of units ensures:

- learning occurs in a logical sequence
- alignment with the prescribed entry requirements and prerequisite pathway, and
- opportunities are available in the workplace to support the training

Delivery methods include face-to-face, self-paced learning guides and online learning.

Learning activities are included in the course to ensure knowledge and skills are applied safely in workplace situations.

Delivery of the course is at the ESS training facility. However, for a 'corporate' course it can be delivered at the client's facility, providing they have suitable facilities and the required resources.

The importance of safety is emphasised and reinforced during the course.

Assessment

The course includes Knowledge Assessments and Task Assessments.

The apprentice is issued with an on-the-job training workbook to collect and present evidence for each unit in the course. The workbook includes the task assessments for the unit.

The workbook also includes a work experience record sheet for recording completed workplace tasks and the plant, tools and equipment used in the workplace.

The student will need to complete the off the job training, the on-the-job assessment requirements and a final assessment before being awarded the qualification.

Language, Literacy and Numeracy

Below is a list of tasks students will need to do during the course. These tasks require the appropriate level of LLN or the ability to develop LLN skills to achieve these tasks successfully.

- Reading, interpreting and following procedures, instructions, plans, drawings and other relevant information.
- Reading and interpreting signs and labels.
- Writing a risk assessment, reports and permits.
- Listening to and following instructions.
- Explaining technical information.
- Communicating verbally during the course.
- Accessing and using information via the internet.
- Solving problems related to the work.
- Working with addition, subtraction, multiplication and division.
- Working with fractions, rounding, decimals, engineering/scientific notation, indices, ratios, percentages, geometry, area and measurement and scaling.

Persons enrolling in the course may be required to participate in a pre-course LLN activity to determine their LLN proficiency.

Skills Recognition

ESS can grant Recognition of Prior Learning (RPL) or Credit Transfer (CT) for a unit or units in the qualification. For the granting of RPL the individual must provide evidence that they already have the skills and knowledge that is required by the unit. CT requires the individual to present a Statement of Attainment of USI Transcript that includes the unit or an equivalent unit.

The granting of RPL or CT means the individual does not have to attend training for that unit.

For more information on skills recognition, go to our website, select the qualification, then select PRE COURSE INFORMATION and download the Information Guide in the Skills Recognition section.

Funding

Funding is not available for the qualification through the Department of Training & Workforce Development.

For employer's incentives, please ask your apprentice support group.

Certification

ESS will issue a Qualification Certificate and Record of Achievement after

- the apprentice has successfully completed the final assessment
- the student's employer has completed a Third-Party Feedback report, and
- the apprentices employer and the apprentice have completed and signed the Completion Agreement.

The Record of Achievement will list the units awarded in the qualification.

Disclaimer

Attendance on this course does not automatically guarantee the attainment of competency, nor does satisfactory completion of assessment and attainment of competency guarantee employment.

For more information on our services and products, contact:

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