



SKILL + LEARNING

MOXI

For further information or customised training:

Call 08 9479 3167

Visit www.moxi.com.au

RTO Provider Number 51160



PLANNING & DESIGN

COURSE LENGTH	TARGET HOURS	PRACTICAL CONTENT	THEORETICAL CONTENT
Classroom or Self-Paced	40	✓	✓

Target Audience

This course is aimed at electrical engineers or senior electrical tradespersons whose job function involves the design of explosion protected electrical systems and planning installations for potentially hazardous areas. Delivery consists of Online Assessments and Training Materials along with support from our elite Instructors & Assessors.

Selection Requirements

The planning component of this course requires previous competency with the installation of explosive protected equipment while the design component requires a confirmation of prior competency with designing electrical systems and installations at AQF level 6 or equivalent. Sample pre-requisite units include (but are not limited to): See AS/NZS4761

UEENEEM024A Install explosion-protected equipment and wiring systems - gas atmospheres

OR

UEENEEG125A Plan electrical installations with an LV demand up to 400A per phase;

UEENEEI112A Verify compliance and functionality of process control installations;

AND at least one of the following (or equivalent)

UEENEEE115B Develop design briefs for electro technology projects; OR

UEENEEG130A Design switchboards rates for high level faults; OR

UEENEEI123A Design electronic control systems.

Units of Competency

UEEHA0029 Plan electrical installations for hazardous areas

AS/NZS CLAUSE 2.13 Apply explosion-protection requirements to the DESIGN of electrical systems and installations

Course Content

This skill set equips the learner with the advanced knowledge of the planning and design strategies for the selection of suitable explosion protected equipment, wiring systems and the design of electrical installations in potentially explosive atmospheres. Topics include equipment selection, selection of wiring systems and the earthing requirements, Ex e power dissipation, IS loop design requirements, the application of gas detectors and the documentation requirements for the hazard area verification dossier. Learners must have access to AS/NZS 60079 series and AS/NZS 3000 Australian wiring rules.

Assessment

MOXI's courses contain in depth theory components. Practical aspects are assessed via the programme and from submitted evidence. Participants MAY be required to submit evidence of practical assessments and application of skills. Can be complete at MOXI Venues or via our Cloud Assessment Portal.

Outcome

On successful completion of UEEHA0029, a **Statement of Attainment** will be issued in partial completion of the Certificate IV in Hazardous Areas – Electrical (UEE42622)

On successful completion of AS/NZS CLAUS 2.13, a **CERTIFICATE OF COMPETENCY** will be issued in line with AS/NZS4761.