COMPETENCY TRAINING

COURSE SNAPSHOT

HAZARDOUS AREAS CLASSIFICATION & DESIGN

DURATION	5 days
PREREQUISITES	Electrical Engineering degree or; Electrical Licence and prior hazardous areas training
PRICE	AUD 3,750 GST exempt

WHAT THIS COURSE DELIVERS

This course covers the following information:

- Properties of explosive gases/vapours and combustible dusts
- Hazardous area classification procedures and techniques for gas and vapour installations and for combustible dusts
- Recommended methods for documenting the classification
- Protection techniques
- Equipment selection
- Earthing requirements
- EX i entity calculations
- EX e motor protection and cable de-rating requirements
- Maximum dissipated power calculations
- General design principles

Students participate in a range of activities during the training, including some group classification and design work.

WHO SHOULD ATTEND

This is an advanced course, intended for technicians, engineers and senior engineers involved with the design of electrical installations in hazardous areas and in area classification.

PREREQUISITES

If you hold a Certificate III in Electrotechnology or Electrical Licence and have attained the Installation units from the Installation and Maintenance of Electrical Equipment in Hazardous Areas course, you will meet the prerequisite requirements for this course.

Typically an electrical engineering qualification will also meet the requirements to be awarded a full Statement of Attainment.

For any other qualification, or if you have completed hazardous area training with another provider, please contact us to confirm your eligibility and expected outcomes.

YOUR OPTIONS

After successfully completing this course, students have the option to complete the Conduct a Conformity Assessment course through Recognition of Prior Learning (RPL).

Please contact us to discuss this option.

INTERNATIONAL STANDARDS TRAINING

This course delivers the IECEx pre-learning required for IECEx units Ex002 and Ex009.

Learn more at www.competencytraining.com/iecex

IEC IECEx

NATIONALLY RECOGNISED TRAINING

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UNITS OF COMPETENCY

UEENEEE071B	Write specifications for electrical engineering projects
UEENEEM052A	Classify hazardous areas – gas atmospheres
UEENEEM053A	Classify hazardous areas – dust atmospheres
UEENEEE015B	Develop design briefs for electrotechnology projects
UEENEEM054A	Plan electrical installations in hazardous areas - gas atmospheres
UEENEEM055A	Plan electrical installations in hazardous areas - dust atmospheres
UEENEEM056A	Plan electrical installations for hazardous areas – pressurisation
UEENEEM057A	Design explosion-protected electrical systems and installations - gas atmospheres
UEENEEM058A	Design explosion-protected electrical systems and installations - dust atmospheres
UEENEEM059A	Design explosion-protected electrical systems and installations – pressurisation

WHERE TO FROM HERE

Competency Training's capability to progress our graduates, from new industry entrants to mature leaders, is based on the real world expertise of specialist educators who deliver education and compliance on site, or in the classroom.

We have a unique holistic approach to training and compliance, delivered by a highly experienced multi-disciplinary team.

For further information on your education and training options, or for possible corporate or volume discount offers, please contact us.

COMPETENCY TRAINING
a verbrec company
RTO No. 31299

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Melbourne	Adelaide
Perth	Auckland
Darwin	Gladstone

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