

## COURSE SNAPSHOT

# HAZARDOUS AREAS CLASSIFICATION & DESIGN

<b>DURATION</b>	5 days
<b>PREREQUISITES</b>	Electrical Engineering degree or; Electrical Licence and prior hazardous areas training
<b>PRICE</b>	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](http://www.competencytraining.com/iecex)



# UNITS OF COMPETENCY

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

RTO No. 31299

<b>Brisbane</b>	<b>Sydney</b>
<b>Melbourne</b>	<b>Adelaide</b>
<b>Perth</b>	<b>Auckland</b>

**PH** 1300 872 585