

## Hazardous Atmosphere and Confined Space Atmosphere Testing (HAACSAT) City & Guilds Assured Syllabus

### Course information

- HAACSAT provides delegates with an understanding of:
  - a) How to complete atmosphere testing and monitoring, when confined space work is taking place
  - b) How to complete atmosphere testing and monitoring, when hot work or breaking containment taking place
  - c) Correct procedures when carrying out fire watch or standby duties
  - d) Responsibilities for standby personnel during hot work or confined space
- The course consists of two days classroom based training with a written assessment and an on-site practical example (*if available*)
- Delegates will be provided with all the necessary documentation and manuals
- Delegates will require relevant PPE for the practical element of the course
- All personnel who participate in gas testing training must be physically and mentally capable of participating fully

### Course syllabus

The course contains the following modules:

- Module 1 - Safe Working
- Module 2 - Atmosphere Hazards
- Module 3 - Confined space
- Module 4 - Hot Work and Breaking Containment
- Module 5 - Sensor Technology
- Module 6 - Use of Equipment

For detailed learning outcomes of each module, please see overleaf

Upon completion of the training, the duty holder/employer must ensure that further workplace training is provided and workplace competence assessment is conducted prior to formal appointment of the role.

*For further information or to arrange a course, please contact JMS Consultants on 01472 720158 or at [postbox@jmsconsultants.co.uk](mailto:postbox@jmsconsultants.co.uk)*



**ASSURED**

## **Module 1 - Safe Working**

*Delegates will have an understanding of:*

- *The principles of legislation*
- *Risk assessment and safe systems of work*
- *Use of permission to work systems*
- *The correct selection and use of PPE and RPE*

## **Module 2 - Atmosphere Hazards**

*Delegates will have an understanding of:*

- *Acceptable levels of oxygen*
- *Gas composition*
- *Toxic substances and atmospheres*
- *Flammable substances and their effects*
- *Acceptable levels of flammable and toxic substances*
- *DSEAR regulations and ATEX zoning*

## **Module 3 - Confined Space**

*Delegates will have an understanding of:*

- *The definition of a confined space*
- *Safe working with confined spaces*
- *Testing and retesting of confined spaces*
- *Positioning of monitors with confined spaces*
- *The responsibilities of standby persons*

## **Module 4 - Hot Work and Breaking Containment**

*Delegates will have an understanding of:*

- *The definition of hot work*
- *Areas of testing*
- *Positioning of monitors*
- *The responsibilities of standby persons*
- *How the environment can impact the work area*

## **Module 5 - Sensor Technology**

*Delegates will have an understanding of:*

- *Sensor design and functionality*
- *Detection for flammable substances in inert atmospheres*
- *The correct selection of sensors*
- *Sensor limitations*
- *BUMP testing and calibration*

## **Module 6 - Use of Equipment**

*Delegates will have an understanding of:*

- *Application of detection equipment*
- *Pre-use Checks*
- *Assistance for damaged or defective equipment*
- *Repair and maintenance*
- *Limitations on detection equipment*
- *The difference between pumped and natural diffusion*