

NATIONAL CERTIFICATE: OCCUPATIONAL HYGIENE AND SAFETY (NQF LEVEL 3)

Introduction: This qualification enables learners to identify, evaluate, advise and report on occupational safety, hygiene and environmental factors, in occupational environments, which may have a detrimental effect on the health and safety of workers in such environments. The qualification is designed to be flexible and accessible.		Minimum of 10 learners, Maximum of 15 learners per course
SAQA unit standard ID number – 50062 (Level 3)		
Target group: All relevant production employees, artisans, or, as required per production needs, without previous certification	Certification: <ul style="list-style-type: none"> ▪ Theoretical assessments = 80% pass rate ▪ Practical assessments = Competent or Not Yet Competent ▪ 2 re-writes allowed per module 	Duration: 1 Year
Entry Level Requirements: Minimum Literacy and Numeracy ABET 4 or NQF 2 or RPL, Grade 11	If competent a National Certificate will be issued by the relevant Seta.	

COURSE OUTLINE

FUNDAMENTAL MODULES

- Accommodated audience and context needs in oral communication
- Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations
- Describe, apply, analyze and calculate shape and motion in 2 – and 3 – dimensional space in different contexts
- Interpret and use information from texts
- Investigate life and work related problems using data and probabilities
- Use a GUI-based word processor to enhance a document through the use of tables and columns
- Use language and communication in occupational learning programs
- Use mathematics to investigate and monitor the financial aspects of personal, business and national issues
- Write texts for a range of communicative context

CORE MODULES

- Use a Graphical User Interface (GUI)-based word processor to format documents
- Collect airborne particulates in the environment using a high volume gravimetric sampler
- Conduct a continuous risk assessment in a workplace
- Conduct an investigation into workplace incidents
- Conduct, report and follow up on a pre-use, safety and/or audit inspection
- Demonstrate basic knowledge and understanding of airborne pollutants and control measures
- Demonstrate knowledge of psychometric charts and perform calculations
- Demonstrate knowledge pertaining to fires in working places
- Demonstrate knowledge pertaining to the preparation, conducting, recording and follow-up actions of a planned task observation in a working place
- Determine the amount of mineral dust and particulate matter in water by means of a nephelometer and turbid meter respectively
- Determine the concentration of respirable dust using a direct reading instrument

- Measure acceleration of vibration
- Measure noise levels, and take appropriate action
- Monitor, report and advise on the application of safety and health principles regarding electricity in a work place
- Monitor, report and advise on the application of safety and health principles regarding the movement of people and materials in and around a working place
- Monitor, report and make recommendations pertaining to specified requirements in terms of working at heights
- Provide risk based primary emergency care/first aid as an advanced first responder in the workplace
- Respond to, implement and manage emergencies according to an emergency action plan in a workplace
- Assess the performance of a heat exchanger and take appropriate action
- Conduct routine monitoring of a fan's performance and installation
- Demonstrate knowledge and understanding of relevant current occupational health and safety legislation
- Demonstrate knowledge of fans, fan measurements and performance
- Monitor, report and make recommendations on the requirements applicable to permit to work systems in a working environment
- Use water circuits to determine the performance of a refrigeration plant and take appropriate remedial action

ELECTIVE MODULES

- Apply stone dust to inerties coal dust
- Install explosion barriers to control the propagation of coal dust explosions
- Measure virgin rock temperature
- Provide risk-based primary emergency care/first aid in the workplace
- Sample and evaluate a mixture of coal dust and stone dust
- Collect and prepare water sample for radionuclide analysis
- Determine the long-lived alpha activity on a dust-laden filter with an alpha counter
- Determine radioactive contamination by means of a surface contamination monitor
- Measure low-level gamma radiation by means of a portable dosimeter

166 Credits	Days
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