



PROSPECTUS

2026

Training Courses by ESH Training and Development Services

Price List

Course Code	Course	Lecture Room	Online Course
Intermediate Certificate in MEC (Intermediate Papers)			
001	Practical Course with Basic Math	R 11 740	R10 440
	Practical Course Without Basic Math	R 8 520	R 8 760
002	Intermediate Paper 1 Course with Basic Math	R 16 780	R 12 400
	Intermediate Paper 1 Course Without Basic Math	R 13 420	R 9 720
003	Intermediate Paper 2 Course with Basic Math	R 16 780	R 12 400
	Intermediate Paper 2 Course Without Basic Math	R 13 420	R 9 720
Certificate in MEC (Advance Papers)			
004	Paper 1: Fluid Flow Dynamics	R 14 400	R 10 950
005	Paper 2: Thermal Engineering	R9 000	R 8 020
006	Paper 3: Economics, Planning and Tech. Literature	R 14 400	R 10 950
007	Paper 4: Risk Management, Fires/Exp, Gases & Stats	R 14 400	R 10 950
008	Paper 5: Occupational Hygiene	R 14 400	R 10 950
009	Paper 6: Legislation	R9 000	R 8 020
Coaching Courses			
010	Intermediate Certificate	R8 400	R8 400
011	Certificate in MEC	R8 400	R8 400
QCTO Qualifications			
311701003	Level 3: Mine Ventilation and Occupational Hygiene Observer	Price upon request	
311701004	Level 4: Mining Technician Mine Ventilation Officer	Price upon request	
Radiation Course			
3-Days	Full Radiation Protection Monitor (RPM) Training	Price upon request	
2-Days	Instrument-Specific RPM Training	Price upon request	
Mining 101		Price upon request	

All prices on this list are excluding VAT.

The Level 3 Mine Ventilation Observer Qualification is online via Microsoft teams. The internal summative assessment is in Fochville at our facility.

Lecture Room - Course schedule is subject to change – minimum of 5 students to proceed with course, if less than 5 it will be online via Microsoft teams.

Arrangements can also be made to do training on site if 10 learners are enrolled.

Venue: ESH Training and Development Services, Fochville

Time: 08:00 – 15:30

Online - Advance Papers will be Two Half Day sessions per week 8h00 – 12h30 and Practical and Intermediate Papers will be full day courses.

Course schedule is subject to change – minimum of 2 student to proceed with course. Online sessions will be via Microsoft Teams.

We are partnered with EZT Radiation to do Radiation Training.



January

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 NEW YEAR'S DAY	2	3
4	5 MEC Practical	6 MEC Practical	7 MEC Practical	8 MEC Practical	9 MEC Practical	10
11	12 Level 3 PM 1 MEC ADV.P1 PoE Radiation	13 Level 3 PM 1 Radiation MEC ADV.P5 PoE Radiation	14 Level 3 PM 1 Radiation MEC ADV.P1	15 Level 3 PM 1 Radiation MEC ADV.P5	16 Level 3 PM 1	17
18	19 Level 3 PM 1 MEC ADV.P1 PoE Level 4	20 Level 3 PM 1 MEC ADV.P5 PoE Level 4	21 Level 3 PM 1 MEC ADV. P1 Radiation MEC ADV.P1	22 Level 3 PM 1 MEC ADV. P1 Radiation MEC ADV.P5	23 Level 3 PM 1 MEC ADV. P1	24
25	26 MEC ADV. P1 MEC ADV. P1 PoE Level 7	27 MEC ADV. P1 MEC ADV.P5 PoE Level 7	28 MEC ADV. P1 MEC ADV. P1	29 MEC Practical MEC ADV. P1 MEC ADV. P5	30 MEC Practical MEC ADV. P1	31

February

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 MEC Practical MEC ADV.P1 MEC ADV.P3	3 MEC Practical MEC ADV.P5 MEC ADV.P3	4 MEC Practical MEC ADV.P1 MEC ADV.P3	5 MEC Practical MEC ADV.P5 MEC ADV.P3	6 MEC Practical MEC ADV.P3	7
8	9 Level 3 PM 2	10 Level 3 PM 2	11 Level 3 PM 2	12 Level 3 PM 2	13 Level 3 PM 2	14
15	16 Level 3 PM 2 MEC ADV. P2	17 Level 3 PM 2 Radiation MEC ADV. P4	18 Level 3 PM 2 MEC ADV. P2 Radiation MEC ADV. P2	19 Level 3 PM 2 MEC ADV. P2 MEC ADV. P4	20 Level 3 PM 2 MEC ADV. P2	21
22	23 MEC ADV.P2 Interm. P1 MEC ADV. P2	24 MEC ADV.P2 Interm. P1 MEC ADV. P4	25 MEC ADV.P2 Interm. P1 MEC ADV. P2	26 MEC ADV.P2 Interm. P1 MEC ADV. P4	27 MEC ADV.P2 Interm. P1	28

March

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 Interm. P1 MEC ADV. P2	3 Interm. P1 MEC ADV. P4	4 Interm. P1 MEC ADV. P2 MEC ADV.P4	5 Interm. P1 MEC ADV. P4 MEC ADV.P4	6 Interm. P1 MEC ADV.P3 MEC ADV.P4	7
8	9 Level 3 PM 3 MEC ADV. P2 MEC ADV.P4	10 Level 3 PM 3 MEC ADV. P4 MEC ADV.P4	11 Level 3 PM 3 MEC ADV. P2 MEC ADV.P4	12 Level 3 PM 3 MEC ADV. P4 MEC ADV.P4	13 Level 3 PM 3 MEC ADV.P4	14
15	16 Interm. P1	17 Interm. P1	18 Interm. P1 Radiation	19 Interm. P1 Radiation	20 Interm. P1	21 HUMAN RIGHTS DAY
22	23 Interm. P1 MEC ADV. P3	24 Interm. P1 MEC ADV. P6	25 Interm. P1 MEC ADV. P3	26 Interm. P1 MEC ADV. P6	27 Interm. P1	28
29	30 Interm. P1 MEC ADV. P3	31 Interm. P1 MEC ADV. P6				

April

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Interm. P2 MEC ADV. P3 Radiation	2 Interm. P2 MEC ADV. P3 Radiation	3 GOOD FRIDAY	4
5	6 FAMILY DAY	7 Interm. P2 MEC ADV. P6	8 Interm. P2 MEC ADV. P3 MEC ADV. P5	9 Interm. P2 MEC ADV. P5	10 Interm. P2 MEC ADV. P5	11
12	13 Level 3 KM 1 MEC ADV. P5	14 Level 3 KM 1 MEC ADV. P5	15 Level 3 KM 1 MEC ADV. P5	16 Level 3 KM 1 MEC ADV. P5	17 Level 3 KM 1 MEC ADV. P5	18
19	20 Level 3 KM 1 MEC ADV. P6	21 Level 3 KM 1 MEC ADV. P6	22 Level 3 KM 1 MEC ADV. P6	23 Level 3 KM 1 MEC ADV. P6	24 Level 3 KM 1 MEC ADV. P6	25
26	27 FREEDOM DAY	28 Interm. P2	29 Interm. P2	30 Interm. P2		

May

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 WORKERS DAY	2
3	4 Coaching Level 4 KM 1 Interm. P2	5 Coaching Level 4 KM 1 Interm. P2	6 Coaching Level 4 KM 1 Interm. P2	7 Coaching Level 4 KM 1 Interm. P2	8 Coaching Level 4 KM 1 Interm. P2	9
10	11 Level 3 KM 2	12 Level 3 KM 2	13 Level 3 KM 2 Radiation	14 Level 3 KM 2 Radiation	15 Level 3 KM 2	16
17	18 Level 3 KM 2	19 Level 3 KM 2	20 Level 3 KM 2	21 Level 3 KM 2	22 Level 3 KM 2	23
24	25 Level 4 KM 2	26 Level 4 KM 2	27 Level 4 KM 2	28 Level 4 KM 2	29 Level 4 KM 2	30
31						

June

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 MEC ADV.P3 Level 4 KM 2	2 MEC ADV.P3 Level 4 KM 2	3 Radiation MEC ADV.P3 Level 4 KM 2	4 Radiation MEC ADV.P3 Level 4 KM 2	5 MEC ADV.P3 Level 4 KM 2	6
7	8 Level 3 KM 3 MEC ADV.P1	9 Level 3 KM 3 Radiation MEC ADV.P5	10 Level 3 KM 3 Radiation MEC ADV.P1	11 Level 3 KM 3 Radiation MEC ADV.P5	12 Level 3 KM 3	13
14	15 Level 3 KM 3 MEC ADV.P1	16 YOUTH DAY	17 Level 3 KM 3 MEC ADV.P1	18 Level 3 KM 3 MEC ADV.P5	19 Level 3 KM 3	20
21	22 MEC ADV.P1 MEC Practical Level 4 KM 3	23 MEC ADV.P5 MEC Practical Level 4 KM 3	24 MEC ADV.P1 MEC Practical MEC ADV.P1 Level 4 KM 3	25 MEC ADV.P5 MEC Practical MEC ADV.P1 Level 4 KM 3	26 MEC Practical MEC ADV.P1 Level 4 KM 3	27
28	29 MEC ADV.P1 MEC ADV.P1	30 MEC ADV.P5 MEC ADV.P1				

July

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 MEC ADV.P1 MEC ADV.P1	2 MEC ADV.P5 MEC ADV.P1 MEC Practical	3 MEC ADV.P1 MEC Practical	4
5	6 MEC Practical	7 MEC ADV.P5 MEC Practical	8 MEC Practical Radiation	9 MEC Practical Radiation	10 MEC Practical	11
12	13 Level 3 KM 4 Level 4 KM 4	14 Level 3 KM 4 Level 4 KM 4	15 Level 3 KM 4 MEC ADV.P2 Level 4 KM 4	16 Level 3 KM 4 MEC ADV.P2 Level 4 KM 4	17 Level 3 KM 4 MEC ADV.P2 Level 4 KM 4	18
19	20 Level 3 KM 4 MEC ADV.P2 MEC ADV.P2	21 Level 3 KM 4 MEC ADV.P2 MEC ADV.P4	22 Level 3 KM 4 MEC ADV.P2 MEC ADV.P2	23 Level 3 KM 4 MEC ADV.P2 MEC ADV.P4	24 Level 3 KM 4 MEC ADV.P2	25
26	27 MEC ADV.P2 Interm. P1	28 MEC ADV.P4 Interm. P1	29 MEC ADV.P2 Interm. P1	30 MEC ADV.P4 Interm. P1	31 Interm. P1	

August

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 MEC ADV.P2 Interm. P1 Level 4 KM 5	4 MEC ADV.P4 Interm. P1 MEC ADV.P4 Level 4 KM 5	5 MEC ADV.P2 Interm. P1 MEC ADV.P4 Level 4 KM 5	6 MEC ADV.P4 Interm. P1 MEC ADV.P4 Level 4 KM 5	7 Interm. P1 MEC ADV.P4 Level 4 KM 5	8
9 WOMENS DAY	10 PUBLIC HOLIDAY	11 MEC ADV.P4 MEC ADV.P4	12 MEC ADV.P2 MEC ADV.P4	13 MEC ADV.P4 MEC ADV.P4	14 MEC ADV.P4	15
16	17 MEC ADV.P2 Interm. P1	18 Interm. P1	19 Interm. P1 Radiation	20 Interm. P1 Radiation	21 Interm. P1	22
23	24 Interm. P1 MEC ADV.P3 Level 4 PM 1	25 Interm. P1 MEC ADV.P6 Level 4 PM 1	26 Interm. P1 MEC ADV.P5 MEC ADV.P3 Level 4 PM 1	27 Interm. P1 MEC ADV.P5 MEC ADV.P6 Level 4 PM 1	28 Interm. P1 MEC ADV.P5 Level 4 PM 1	29
30	31 MEC ADV.P5 MEC ADV.P3					

September

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 MEC ADV.P5 MEC ADV.P6	2 MEC ADV.P5 MEC ADV.P3	3 MEC ADV.P5 MEC ADV.P6	4 MEC ADV.P5	5
6	7 MEC ADV.P3 Interm. P2	8 MEC ADV.P6 Interm. P2	9 Interm. P2	10 Interm. P2	11 Interm. P2	12
13	14 Interm. P2 Level 4 PM 2	15 Interm. P2 Level 4 PM 2	16 Interm. P2 Radiation Level 4 PM 2	17 Interm. P2 Radiation Level 4 PM 2	18 Interm. P2 Level 4 PM 2	19
20	21 Interm. P2	22 Interm. P2	23 Interm. P2	24 HERITAGE DAY	25 Interm. P2	26
27	28 Interm. P2 MEC ADV.P6	29 Interm. P2 MEC ADV.P6	30 Interm. P2 MEC ADV.P6			

October

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Interm. P2 MEC ADV.P6	2 Interm. P2 MEC ADV.P6	3
4	5 Coaching Level 4 PM 3	6 Coaching Level 4 PM 3	7 Coaching Radiation Level 4 PM 3	8 Coaching Radiation Level 4 PM 3	9 Coaching Level 4 PM 3	10
11	12 Level 3 Internal Assessment	13 Level 3 Internal Assessment	14 Level 3 Internal Assessment	15 Level 3 Internal Assessment	16 Level 3 Internal Assessment	17
18	19 Level 3 Internal Assessment	20 Level 3 Internal Assessment	21 Level 3 Internal Assessment	22 Level 3 Internal Assessment	23 Level 3 Internal Assessment	24
25	26 Level 4 PM 4 Level 3 Internal Assessment	27 Level 4 PM 4 Level 3 Internal Assessment	28 Level 4 PM 4 Level 3 Internal Assessment	29 Level 4 PM 4 Level 3 Internal Assessment	30 Level 4 PM 4 Level 3 Internal Assessment	31

November

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 Radiation	5 Radiation	6	7
8	9	10	11	12	13	14
15	16 Level 4 PM 5	17 Level 4 PM 5	18 Level 4 PM 5	19 Level 4 PM 5	20 Level 4 PM 5	21
22	23	24	25	26	27	28
29	30					

December

2026

Lecture Room and Online Training Schedule

Training Color Coded

MEC Lecture Room Course

MEC Online Course

Level 3 Mine Ventilation Observer

Level 4 Mine Ventilation Officer

Radiation



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7 Level 4 PM 6	8 Level 4 PM 6	9 Level 4 PM 6	10 Level 4 PM 6	11 Level 4 PM 6	12
13	14	15	16 DAY OF RECONCILIATION	17	18	19
20	21	22	23	24	25 CHRISTMAS DAY	26 DAY OF GOODWILL
27	28	29	30	31		

Training Courses by ESH Training and Development Services

Content per course

MEC Practical Course:

- Introduction
- Heat
- Gases
- Airborne Pollutants
- Mine Health and Safety Act and Regulations
- Acceptable Environmental Conditions
- Fire Control
- Basic Ventilation System Calculations
- Instruments – Reference Section

MEC Intermediate Paper 1 Course:

- Useful Formulae and Data
- Ventilation Practice and Principles
- Mine Plans
- Fires, Escape and Rescue
- Explosions
- Refrigeration
- Costs
- Airflow Theory and Calculations
- Fan Theory and Calculations

MEC Intermediate Paper 2 Course:

- Useful Formulae and Data
- Heat Theory and Calculations
- Heat Stress Theory and Wet Bulb Global Temperature
- Cold Stress Theory and Wind Chill Equivalent Temperature
- Psychrometry Theory and Calculations
- Airborne Pollutants and Control
- Mine Water
- Gases
- Toxicology
- Noise
- Vibration
- Illumination
- Legislation and Definitions

MEC Advance Paper 1 Course:

- Airflow
- Fluid Dynamics
- Mine Water

MEC Advance Paper 2 Course:

- Introduction
- Psychrometry
- Heat
- Heat Transfer in Air Stream
- Refrigeration Plant
- Refrigeration Performance
- Topics in Refrigeration

MEC Advance Paper 3 Course:

- Dust
- Economics
- Planning and Tech. Literature

MEC Advance Paper 4 Course:

- Risk Management
- Information Management
- Statistics
- Fire and Explosions
- Gases

MEC Advance Paper 5 Course:

- Definitions and Responsibility
- Anatomy, Physiology and Pathology
- Ergonomics
- Toxicology and Stress Factors
- Hazardous Chemical Substances
- Personal Protective Equipment
- Measurement and Sampling

MEC Advance Paper 6 Course:

- Legislation

QCTO Level 3 Mine Ventilation Observer:

- Emergency Preparedness for Mine Ventilation
- Mine and Mineral Legislation for Ventilation
- Mine Ventilation Engineering Practice
- Occupational Hygiene Practice
- Select, check, use and maintain ventilation and occupational hygiene measurement instruments
- Compile mine occupational environmental condition reports
- Inform workers and management regarding substandard mine occupational environmental conditions

QCTO Level 4 Mine Ventilation Officer:

- Emergency Preparedness
- Mine Ventilation Engineering Practice
- Mines and Minerals Legislative Requirements
- Occupational Hygiene Practice
- Operations Management and Supervision
- Design basic ventilation layouts and assist with the design of complex ventilation layouts
- Measure and test the effectiveness of the ventilation system
- Make recommendations regarding Mine Ventilation and Occupational Hygiene issues
- Implement and review mine ventilation and occupational hygiene standards
- Execute performance management for a team of Ventilation Observers
- Oversee the compilation and submission of mine ventilation reports for a designated area of the mine
- Measure, record and report the effectiveness of the refrigeration plant and accessories (bulk air cooler, cooling cars and heat exchangers).

Radiation:

- Full Radiation Protection Monitor (RPM) Training
- Instrument-Specific RPM Training

Contact Information:

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