



M2 ENGINEERING ACADEMY

# PROSPECTUS 2018/19

EAGER TO LEARN



**M2 ENGINEERING**  
ACADEMY

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**TWO FACILITIES ACCREDITED BY QCTO  
MERSETA AND CETA**

Accreditation Numbers:

QCTO-CIVIL: SDP1225/16/002

QCTO-ENGINEERING: SDP1225/16/005

MERSETA: 17-QA/ACC/1294/17

CETA: 6R65073

# ABOUT M2 ENGINEERING ACADEMY.

M2 Engineering and Minerals is a 100% black-owned South African company domiciled in Witbank Mpumalanga. The company has a training academy (M2 Engineering Academy) specializing in the production of technical / artisan skills professionals.

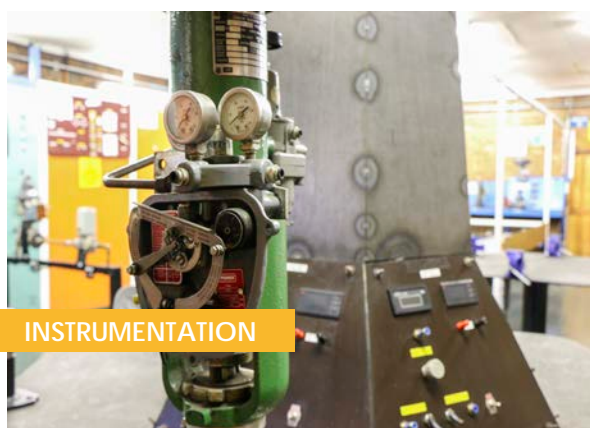
The M2 Engineering Academy specializes in the development of scarce technical skills for industrial production, construction and agriculture. M2 Engineering Academy, through its fully equipped and QCTO accredited training and trade testing facilities in Badplaas and Witbank, offers the following artisan trades:

**Electrical | Instrumentation | Welding | Boiler-making | Plumbing | Bricklaying | Carpentry | Millwright | Motor Mechanics | Fitting & Turning.**

M2 Engineering training centre in Witbank is arguably one of the best equipped in the country. The centre utilizes qualified and experienced artisans who have undergone Facilitator, Assessor and Moderator training courses as trainers. Through the parent company, M2 Engineering and Minerals as well as the relationship established with industry, our learners are exposed to relevant workplaces to attain their artisan qualifications.

M2 Engineering has a professional management team with complementary skills expertise and experience. The competencies include amongst many, technical training, business and entrepreneurship training, project management, incisive research and turnaround strategy development and implementation.

## WORKSHOPS



INSTRUMENTATION



FITTING







# COURSES



## BOILERMAKING

Produces steel fabrications from plates and tubes. Make, install and repair boilers and other large vessels or containers that hold liquids and gases.

### Minimum requirements

Maths and Physical Science background, grade 12 or N2 Engineering



## FITTING & TURNING

Operate machines to produce parts or tools by turning, boring, and milling, shaping, grinding or drilling metal stock. Fitting and turning.

### Minimum requirements

Maths and Physical Science background, grade 12 or N2 Engineering



## INSTRUMENT MECHANICIANS

Repairs, maintain, calibrates, adjusts and installs industrial measuring and controlling instrumentation. They also perform maintenance on the equipment and design new measuring and recording equipment.

### Minimum requirements

Maths and Physical Science background, grade 12 or N2 Engineering



## MILLWRIGHT

Install, maintaining, diagnosing and repairing industrial machines. They work on pumps, compressors, conveyors, turbines and mining equipment. They understand and can do both electrical and fitting tasks.

### Minimum requirements

Maths and Physical Science background, grade 12 or N2 Engineering



### MECHANICAL FITTERS

Operate machines to produce parts or tools by turning, boring, and milling, shaping, grinding or drilling metal stock.

#### **Minimum requirements**

Maths and Physical Science background, grade 12 or N2 Engineering



### ELECTRICAL

Install, test, repair and maintain electrical wiring, circuit boards or electronics. They may perform these services either inside or outside residential or commercial property.

#### **Minimum requirements**

Maths and Physical Science background, grade 12 or N2 Engineering



### WELDING

Primary duty is joining metal parts together. They work on metal components of various buildings or construction industries including but not limited to pipelines, bridges, power-plants or refineries.

#### **Minimum requirements**

Maths and Physical Science background, grade 12 or N2 Engineering





1.1 SKILLS PROGRAMME	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
WELDING	R 24 900.00	3 MONTHS
BOILERMAKER	R 24 900.00	3 MONTHS
RIGGER	R 24 900.00	3 MONTHS
FITTER	R 24 900.00	3 MONTHS
TUNNER	R 24 900.00	3 MONTHS
FITTER & TUNNER	R 24 900.00	3 MONTHS
COMMUNITY HOUSE BUILDING	R23 400.00	3 MONTHS
PLUMBER	R23 400.00	3 MONTHS
BUILDING & CIVIL CONSTRUCTION	R23 400.00	3 MONTHS
ELECTRICAL	R24 900.00	3 MONTHS

1.2 RPL	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
WELDING	R 24 900.00	3 MONTHS
BOILERMAKER	R 24 900.00	3 MONTHS
RIGGER	R 24 900.00	3 MONTHS
FITTER	R 24 900.00	3 MONTHS
TUNNER	R 24 900.00	3 MONTHS
FITTER AND TUNNER	R 24 900.00	3 MONTHS
COMMUNITY HOUSE BUILDING	R23 400.00	3 MONTHS
PLUMBER	R23 400.00	3 MONTHS
BUILDING & CIVIL CONSTRUCTION	R23 400.00	3 MONTHS
ELECTRICAL	R24 900.00	3 MONTHS

1.3 ARPL	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
WELDING	R 36 000.00	6 – 12 MONTHS
BOILERMAKER	R 36 000.00	6 – 12 MONTHS
RIGGER	R 36 000.00	6 – 12 MONTHS
FITTER	R 36 000.00	6 – 12 MONTHS
TUNNER	R 36 000.00	6 – 12 MONTHS
FITTER & TUNNER	R 36 000.00	6 – 12 MONTHS
COMMUNITY HOUSE BUILDING	R 36 000.00	6 – 12 MONTHS
PLUMBER	R 36 000.00	6 – 12 MONTHS
BUILDING & CIVIL CONSTRUCTION	R 36 000.00	6 – 12 MONTHS
ELECTRICAL	R36 000.00	6 – 12 MONTHS

Please note that only institutional learning-training would be required to spend 6 months on a work site before final assessment and certification.







## APPRENTICESHIP / LEARNERSHIP

2. APPRENTICESHIP/LEARNERSHIP	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
WELDING	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
BOILERMAKER	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
RIGGER	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
FITTER	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
TUNNER	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
FITTER AND TUNNER	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
BRICKLAYER	R 27 000.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
PAINTER	R 27 000.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
CARPENTER	R 27 000.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
PLASTERER	R 27 000.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
PLUMBER	R 27 000.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )
ELECTRICAL	R 29 400.00	3 MONTHS ( 1st YEAR INSTITUTIONAL TRAINING )

## TRADE TEST PREPARATION

3. TRADE TEST PREP	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
WELDING	R 20 000.00	UP TO 12 WEEKS
BOILERMAKER	R 20 000.00	UP TO 12 WEEKS
RIGGER	R 20 000.00	UP TO 12 WEEKS
FITTER	R 20 000.00	UP TO 12 WEEKS
TUNNER	R 20 000.00	UP TO 12 WEEKS
FITTER AND TUNNER	R 40 000.00	UP TO 12 WEEKS
BRICKLAYING	R 20 000.00	UP TO 12 WEEKS
PAINTER	R 20 000.00	UP TO 12 WEEKS
CARPENTER	R 20 000.00	UP TO 12 WEEKS
	R 20 000.00	UP TO 12 WEEKS

PLUMBER	R 20 000.00	UP TO 12 WEEKS
ELECTRICAL	R 20 000.00	UP TO 12 WEEKS
MILLWRIGHT	R 40 000.00	UP TO 12 WEEKS





  
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3.1 TRADE TEST EVALUATION	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
ALL TRADES	R 1 500.00	1 DAY

3.2 TRADE TEST	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
ALL TRADES	R 3 000.00	TEST DURATION

On request or upon approval of relevant authority, training can be done at client's premises. Training will also be offered for afternoon classes from 16:00 to 20:00 at M2 Engineering Training Centre.

4. MACHINE TRAINING (PLANT OPERATOR)	COST PER PROGRAMME (EXC. VAT)	TOTAL DURATION
NOVICE COURSE	R 11 000.00	5 DAYS
RETRAINING	R 2 200.00	1 DAY
BACKHOE / LOADER		
FACE SHOVEL		
FRONT END LOADER		
GRADER		
PAVING SCREED		
ROLLER		
SERVICE TRUCK		
SIDEBOOM		
SKID STEER LOADER		
TIP TRUCK		





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