

Short Courses

The courses are designed to impart theoretical and practical skills to all interested persons. The courses are run during weekends (Saturdays 0800 to 1600 hours) and college term breaks.

Adult and Continuing Education  
Courses and preparation for trade testing

Automotive

Motor Mechanics  
Auto - electrics

Panel beating and spray painting

Fuel injection

Pneumatics for trucks

Hydraulic for earthmovers

Computerized diagnosis

Wheel alignment and balancing

Automatic transmission

Electronic Ignition

Mechanical

Bench fitting

Boilermaking

Welding

Fitting and turning

Hydraulic and pneumatics

Tool jig and die making

Injection and mould setting

Geometry of sheet metal work

Electrical

Electrical Power

Solar installation 1 and 2

Construction

Brick and block laying

Plastering and paving

Carpentry & Joinery

Painting & Decorating

Plumbing & Drainlaying

Business Studies

Introduction to computers

Computer repairs and maintenance

Digital skills passport

Business management



For application and further information contact:

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Ministry of Higher & Tertiary Education,  
Innovation, Science & Technology  
Development

# Msasa Industrial Training College



**Skills Competence Industry**

**Since 1983**

## Vision

To be an institution of excellence in producing world class industrial and entrepreneurial skills.

## Mission

To provide highly skilled, patriotic, innovative and competent human capital that addresses the needs of industry and commerce, entrepreneurs and the community at large .



## DIRECT INTAKE SKILLS TRAINING

*The following programmes are offered on a full time basis for candidates who are able to read and write.*

### Automotive Engineering

- Motor Mechanics
- Auto-Electrics
- Panel beating and Spray Painting
- Diesel Plant Fitting

### Mechanical Engineering

- Fitting including Machining
- Turning including Machining
- Maintenance Fitting
- Tool-Jig and Die Making
- Fabrication : Boiler Making/Welding

### Construction Engineering

- Electrical Power Engineering
- Brick and Block-Laying
- Painting & Decoration
- Plumbing & Drain Laying
- Wood Machining
- Carpentry & Joinery
- Joinery
- Carpentry
- Cabinet Making

*Duration of the above courses is TWO (2) years and a Term*

- 3D1 - 1 Year College Training
- 3D2 - 1 Year Industrial Attachment
- 3D3 - 1 Term: Trade Test Preparation and Class 3 Trade Testing

## HIGHER EDUCATION EXAMINATIONS COUNCIL (HEXC) COURSES

## NATIONAL CERTIFICATE

*The following programmes are offered on a full time basis for candidates with the prerequisite 5 "O" Levels, English, Mathematics, Science and any other 2 subjects.*

## COURSES OFFERED

- Motor Vehicle Mechanics
- Automobile Electrics & Electronics
- Diesel Plant Fitting
- Motor Vehicle Body Repairs & Refinishing
- Fabrication Engineering
- Machineshop Engineering
- Wood Technology - (Machining and Manufacturing)
- Carpentry and Joinery
- Electrical Power Engineering
- Plumbing and Drain Laying

*Duration of the above courses is THREE (3) years.*

- NC1 - 1 Year College Training
- NC2 - 1 Year Industrial Attachment
- NC3 - 1 Year College Training

## Training Programmes

- UPGRADE SKILLS TRAINING
- DIRECT INTAKE TRAINING PROGRAMME
- NC HEXCO COURSES
- PART-TIME - ADULT AND CONTINUING EDUCATION (ACE)

Upgrade Training provides an opportunity for supplementary training to:

- all skilled workers registered with the Trade Testing Department under Ministry of Higher and Tertiary Education, Science & Technology Development but have not yet acquired Skilled Workers Class status.
- all skilled workers who wish to upgrade themselves from Class 4 to Class 1.

Programmes Offered - CLASSES 4, 3, 2 and 1

### Automotive Engineering

- Motor Mechanics
- Auto Electrics

- Motor Vehicle Body Repairs
- Diesel Plant Fitting
- Auto Electrics

- Mechanical Engineering
- Boilermaking
- Welding

- Fitting including Machining
- Tool Gig & Die Making

- Electrical and Construction
- Electrical Power Engineering
- Wood Technology
- Brick and Block-Laying