

# Position yourself as a Skilled Manual Arc Welder

This 6 months training offers practical hands-on skills to students who wish to be specialized on a specific welding skill. You can register whether you have general welding skills, little or no Arc Welding skill.

## What you will learn:

- How to apply Hand and Power Tools Used in Welding Operations
- How to perform Measurements and Calculations
- How to read and interpret Drawings and Specifications
- How to arc weld Mild Steel in 1F-4F positions
- How to arc weld Mild Steel in 1G-6G positions

## Manual Arc Welding Certificate

At the end of the 6-months you will receive a Certificate of Competency Level IV in Manual Arc Welding from TVET

## Welding Jobs

Welding is the process of creating or fixing metal structures by permanently joining pieces of metal or plastic parts through heating, melting and fusing. With this certificate, you can therefore work in:

**The booming construction/Real Estate industry** – the government has placed housing as one of its flagship program under the Big 4 agenda. With the ban in logging still in place, many buildings now require the services of a welder for roofing and other solutions. This is in addition to the traditional windows and doors welding.

Vibrant transport and Manufacturing sectors- The LAPSSSET projects.

**Extractive industry** - Currently, Kenya lacks skilled Welders who can work in the booming Extractives and manufacturing sector. The welding that is done in the petroleum sector is much more complex. This is a huge setback as Kenya hopes to begin crude oil exportation in 2019.

## **Why study this course under the Competency Based Education and Training (CBET) Approach?**

CBET approach places emphasis on practical training with very little theoretical learning. This makes the course ideal for anyone who loves working with their hands. In addition:

- You will train on a specific skill & technology relevant to Industry
- Total duration of course is 6 months- 3 Months theory practice; 3 Months in an Industry
- Certification is nationally accepted while the Training is locally & globally recognized
- You have higher chances of self and formal employment – skilled laborers are in high demand locally and internationally

**Minimum requirement: KCSE grade D**

**Examining Body: TVET CDACC**

## **What is CBET**

Competency Based Education and Training (CBET) is a hands on training approach designed specifically to meet the demand of industry. Learning is based on specific skill and technology relevant to industry. The Industry works collaboratively with students and the Technical Institutions to match skill to industry needs.

## **Certification and Accreditation under CBET**

CBET is a globally accepted training principle. In Kenya, it was launched in March 2017 with the pilot level IV modularised CBET training program consisting of 3 months' theory at the selected institutions and 3 months' industry based training.

CBET approach will be implemented by Ministry of Education and its subordinated bodies such as TVETA and TVET CDACC. Occupational standards and curricula have been developed in select institutions for the January 2019 in the following courses:

- Instrumentation and Control
- Manual arc welding
- Mechanical technology: Lathe machine operations
- Heavy and Light Machinery

**Big 4 agenda pillars: – Housing**

The Kenyan government has identified four pillars that will grow the economy and improve the wellbeing of the citizens. The government is dedicating the energy, time and resources of the entire administration to these Big Four. The Big Four include: Food security, affordable housing, manufacturing, and affordable healthcare for all.

The Ministry of Education through TVET is actively promoting the realization of the government's Big 4 agenda to provide world class skills for irrigation, construction and maintenance of health facilities and manufacturing plants.