

MECHANICAL ENGINEERING: PRACTICAL SKILLS COURSES

Thornton Campus (Fitting & Turning, Welding) | Athlone Campus (Automotive Electrician, Motor Mechanics, Diesel Fitter)

The College offers practical training courses that are accredited by the SETAs such as the merSeta and CHIETA. Each practical course is modular or unit standard-based and are designed to support the apprentice or learnership programmes and artisans that need to improve on their skills. The courses prepare the student for the world of work, thus increasing the student's employment opportunities.

Practical skills courses are best suited to those individuals in the trade who wish to further their knowledge in their field of work. Students from school who are not placed in an apprenticeship (with Mathematics and Science at Grade 12 level) can also complete the CBMT Apprenticeship Training course to further improve their chances of being employed and get them workshop-ready for the apprentice training.

Career Options

What will I be able to do once I've completed this course?

On the successful completion of the courses you may seek employment opportunities in learnerships, apprenticeships, skilled or semi-skilled work in your field of training. After the minimum years of relevant experience you may apply to do a trade test to become a fully qualified artisan.

In which industries will I be able to work?

- Aerospace industry
- Mining industry
- Petrol and chemical industry
- Motor vehicle maintenance and manufacturing
- Manufacturing industry
- Packaging industry
- Printing industry

What could I do to further improve my skills and my chances of furthering my career?

Students that have successfully completed the practical courses and have the required academic qualification may register for any other engineering program.

What will I be studying during these courses?

Each practical course (Phase or Level) consists of a number of modules or unit standards. Each module or unit standard will be assessed individually and students will only be fully certificated once they have successfully completed and are found to be competent in each module or unit standard.

Skills courses may also be customised by combining modules or unit standards to suit the specific needs of the client.

Practical Courses Offered

The College offers a range of practical skills courses.

- Automotive Electrician – CBMT Training (Level 1-4)
- Diesel Fitter
- Fitting (Phase 1-4)
- Fitting & Turning (Phase 1-4)
- Machining (Phase 1-4)
- Motor Mechanics – CBMT Training (Level 1-4)
- Welding (Phase1-4)

Mechanical Engineering Specialized Skills Courses

- Basic CNC Programming
- General Hand Skills
- Motor Vehicle Servicing
- Turning and Milling
- Gas, Arc, Mig, and TIG Welding
- Hydraulics and Pneumatics
- Pump and Motor Alignment
- Wheel Alignment and Wheel Balancing

Trade Testing

The College is accredited to perform trade testing in the following trades.

- Auto Electrician
- Fitting and Turning
- Motor Mechanic
- Fitting
- Machining
- Welding

Admission Requirements

What do I need to have completed before I can apply to study these courses?

- Grade 10

You must have passed the following subjects at school:

- Mathematics
- Science

Duration

- Each Phase or Level will take 10 – 11 weeks
- Modules or Special Courses: 1 - 6 weeks

Students may register in January, May and September of each year.

Could I study this course part-time?

Special short courses could be offered on a part-time basis or on Saturdays.

The offering of these courses is dependent on the number of students registered.