

Refrigeration Mechanic

The refrigeration section of the Electrical Department is again a very popular course and one that is in high demand. Keeping things cool in a tropical climate makes this a very important trade and the field of study looks at air conditioning and refrigeration across the spectrum of domestic and commercial applications.

With the facing out of CFC gases globally the refrigeration courses also studies the environmental effect of the cooling processes to ensure that years to come we all have as world that is safe to live in.

Printing & Graphics

The School of Printing and Graphic Arts is the only school in the country that offers courses in Lithographic Printing and Graphic Arts. Currently the School offers the Certificate 1, 2, 3 in Printing and Graphic Arts. In the future the School will fully implement the TVETNQF from Certificate to the National Advance Diploma.

Career Outcome:

Graphic Artist, Web Page Designer, Printer, Pre-press Operator, Layout Artist, Typesetter, Screen Printer, Guillotine Operator, Binder and Digital Printer.

Metal Fabrication & Welding

Metal Fabrication and Welding is all about joining steel and other materials together and fabricating structures of many different types. In years gone by peoples constructed buildings in timber but today architects are turning more to steel structures and this is where the skills of welding/fabricating come into play.

Steel buildings are long lasting, relatively maintenance free and never attacked by termites. There are many other instances of difficult welding skills such as welding tanks in confined spaces, welding oil pipelines, etc., apart from the more obvious well known uses of welding.

Carpentry & Construction

The Building Department has only one section and that is Carpentry. The teaching staff in the Carpentry Department demonstrate to students the techniques of working in timber and concrete to construct a domestic dwelling or house.

They start from the basics of the various tools used and explain how to 'read' the different drawings and then continue into the various aspects of construction so that at the end of the various modules, students are competent to undertake the building of a new building or the maintenance of an old building.

Plumbing

The Plumbing course will teach you to gain a solid understanding of the skills needed to compete in the plumbing trade.

As more and more people become homeowners, the demand for skilled workers with plumbing knowledge is getting bigger and bigger.

This course will guide you through some essential information on plumbing, pipes and fixtures, plumbing tools and drawing, as well as an understanding of drainage and water distribution system.



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COURSE INFORMATION

THE INFORMATION FOR TRADE COURSES



● Electrotechnology

This course is developed to meet the expanding and changing needs of the pervasive, complex and diverse Electro-technology industry.

The challenging aspects of industry is that learners are frequently exposed to cutting-edge technology; hence the Electrotechnology industry offers an array of exciting career prospects.

Career Outcome:

- Perform basic electrical, refrigeration and air conditioning work.
- Communicate information effectively in workplace and Work safely with tools and equipment.
- On completion of the required modules, students will find opportunities in Electrical, Refrigeration and Air-conditioning workshops.

● Electronics

The Electronic courses is one of the most popular courses to be offered in the college. Electronics is a thriving and varied industry that commences with a sound understanding of electricity and its application in the field of electronics.

There is scarcely a product in the 21st Century that does use some form of electronic circuitry to make our lives easier and more efficient.

Career Outcome:

- Students who graduate from the College can branch out into computer repairs, photocopier technicians as some examples of career paths that follow successful completion of the course.

● Automotive Electrical

This Auto Electrical Section teaches students on how to maintain the electrical circuitry in an automobile.

Students in this trade need to have a good grasp of electrical theory so that they can apply this in practice to the automobile complex circuitry.

The ability to think carefully and diagnose is essential in this trade as the failure of any part of the system can show in a variety of ways so detection using the relevant pieces of test equipment is essential.

● Maintenance Fitting & Machining

The Maintenance Fitting and Machining course will provide you with the practical skills and knowledge to make and repair parts, machines and tools. You will learn skills in using tools, measuring and calculating, drawing and interpreting sketches and technical drawings, mechanical cutting and machining.

You will also learn about maths, safety in the work place, effective communication and quality control. You will also practice the skills you have learned in workshop environment and undertake a supervised work placement.

● Automotive Light Vehicle

The Automotive Light Vehicle course is all about petrol and diesel engines and types of vehicles that use them. This is a very popular course and very important since if we think of the modern world the one essential thing is the transportation and usually by the use of road. The instructors in this trade start at the very beginning teach the basic tools and gradually progress to maintenance and servicing and on to techniques of how things differ from vehicle to vehicle. At the beginning the work is very simple and straight forward but becomes more complex and challenging as the subject knowledge deepens.

This is a trade that has had a set of competency standards designed for its association with industry. The levels are designed to be taught at three levels. The competency standards are taught to the students in modular form.

● Autobody Repair & Refinishing

This trade was known in the past as Panel Beating and Spray Painting but this has been renamed as Automotive Body Repair & Finishing.

This trade is all about smash repairs on cars and making that which its damaged look is like new.

It is a job that involves an 'eye' and a 'feel' for the work to make the crumpled metal to look like new as though nothing has happened.

You need to be skillful with a spray gun and be able to understand the complex nature of modern paints and how they perform on the job.

● Diesel & Heavy Equipment Fitting

The DHEF is designed to offer students with basic skills in repairing and maintaining a range of equipment driven by diesel engines including heavy earth-moving equipment.

It will also include the use of hand and power tools, planning work activities, interpret drawings, basic automotive, welding, using range of precision tools, diagnosing faults in components, bearings, tune diesel engine, work on breaking, steering and engineering cooling system.

