Tshwane University of Technology
*We empower people*

Tshwane University of Technology
CONTINUING EDUCATION

# SHORT LEARNING PROGRAMME

Presented by Tshwane University of Technology |TUT|

# PRINCIPLES AND CLINICAL APPLICATIONS OF COMPUTED TOMOGRAPHY

## BRIEF DESCRIPTION:

The purpose of this programme is to provide Radiographers who wish to work in the Computed Tomography (CT) department an opportunity to learn this technology and have a better understanding of this evolving technology. The programme will provide you with an opportunity to improve your technical and clinical skills required to operate the CT equipment competently. This programme is **certified by Tshwane University of Technology (TUT)** and CEU credits awarded by **the Health Professions Council of South Africa (HPCSA)**. Upon completion of the programme (attendance and assessments), participants will be awarded with a **40 CEU credits with certificate of competence.** You will be equipped with knowledge and clinical skills to apply appropriate scanning protocols to demonstrate pathology and anatomy, while applying various radiation dose reduction techniques.

## LEARNING OUTCOMES:

- CT technology evolution
- CT data acquisition, image reconstruction and post-processing
- Optimization of CT image quality and CT patient dose reduction
- Selection of appropriate imaging/scanning protocols
- Pattern Recognition
- CT quality control
- Ethics: ethical concepts as applied in healthcare practice

## WHO SHOULD ATTEND:

All Radiographers working in the private and public sectors without experience in CT or with limited experience and wishing to develop their skills and knowledge to enhance their clinical practice.

## ENTRY REQUIREMENTS:

This programme is aimed at Radiographers who have a minimum of a National Diploma in Radiography, Bachelor's Degree in Radiography, Nuclear Medicine or Radiotherapy wishing to enter the field of CT with no previous experience.

**40 CEU CREDITS**

**FEE:**

R11 250.00

**DELIVERY MODE:**

Virtual

**REGISTRATION AND ENQUIRIES**

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