



## ADVANCED TECHNICIAN DIPLOMA IN TELECOMMUNICATION SYSTEMS

A technology driven industry Telecommunication Systems is a progressing with cutting-edge developments encouraging globalization. The NEC programme on TCS is designed to keep you up-to-date with the technological developments & global trends.

**With an Advanced Diploma in Telecommunication Systems the graduate will be able to:**

- Understand international nature of the knowledge & skill activities needed for different countries & cultures
- With practical training & internship, be marketable in the global industry

**Career opportunities in this field include: Aircraft & Electronics industries, Fixed & Mobile Telephone Networks, Software Engineering, Military, Navel & Police Communication Systems, to name a few.**

### **Technician Certificate (Duration 1 year)**

(Compulsory modules)

- Fundamentals of Electronics Communication 1
- Communication Systems & Digital Networks 1
- Telecommunication Practice 1
- Engineering maths

### **Technician Diploma (Duration 1 year)**

(Compulsory modules)

- Fundamentals of Electronics Communication 2
- Communication Systems & Digital Networks 2
- Fundamentals of Electronics Communication 3
- Communication Systems & Digital Networks 3
- Advanced mathematics

- Telecommunication Systems Practice 2/3

### Optional (1 module from)

- Radio Systems & Radio Systems Practice
- Programming Principle & Programming Principles Practice

## Technician Advanced Diploma (Duration 1 year)

(Compulsory modules)

- Telecommunication Project Practicals Assignment: Analysis & solution for a corporate scenario
- Advanced Telecommunication Systems
- Advanced Radio Systems
- Advanced Radio Systems Practice Practicals Assignment: Examination of 2.5G & 3G
- Telecommunication Systems
- Software Engineering
- Software Engineering Practice Practical Assignment: Software Engineering
- Advanced Mathematics 2

## Accreditation

Under the Faculty of Engineering, the NEC programme on Construction Industry is registered by Human Resource Development Council (HRDC) & Botswana. It is accredited by City & Guilds U.K. and with Botswana Qualification Authority. City & Guilds programmes are accredited by U.K. bodies such as the Quality Curriculum Authority.

Graduates holding Advanced Diplomas in Construction Industry have the option to enter universities in Botswana, the U.K. & other countries at final year for degree programme.

E-skills U.K., the industry representative body responsible for addressing the needs of IT & Telecommunication Systems, benchmarked the City & Guilds award in Telecommunication Systems against occupational standards for the U.K. Telecomms Industry.

## About New Era College

NEC sprawled over 79812 sq. meters has a state of the art campus with facilities to develop an all rounded graduate. Excellent academic & administrative staff members, NEC has a practical approach for the overall development of the student. NEC also has a library and sporting facilities amongst others. Please log on to [www.neweracollege.ac.bw](http://www.neweracollege.ac.bw) for more information.

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