

طور مستواك المهني  
في الاتصالات

Certified  
Cellular Technology  
Associate

Saudi  
Arabia



5 DAYS



2G

3G

4G

LTE

خصم  
50%

5 DAYS TRAINING  
CERTIFICATION

This certification focuses on the air interface fundamentals of the cellular radio access technologies GSM, UMTS & LTE.

The basic terms and parameters as well as the connection set-up procedures.

## Course Outline



### Site assembly

- Site assembly for 2G, 3G & 4G networks.
- Radio system connections.
- Power system connections and ESD precautions.
- Alarms Connections.
- Tower solutions.
- BTS and nodeBs.



### GSM Fundamentals

- Introduction to GSM.
- GSM Architecture.
- GSM Traffic Management.
- Introduction to SS7 Signaling.
- GSM Air Interface and Network Planning.



### UMTS Fundamentals

- Introduction to UMTS.
- UMTS Network Architecture.
- UMTS Radio path and Transmission.
- UMTS Traffic Management.
- Introduction to UMTS Signaling & Interface.
- UMTS Services and Applications.



### LTE/SAE Fundamentals

- LTE/SAE Overview
- LTE/SAE Network Architecture.
- LTE/SAE Mobility & Session Management.
- LTE Air Interface



### GPRS Fundamentals

- Introduction to GPRS.
- Introduction to TCP-IP.
- GPRS architecture.
- GPRS Traffic Management.
- GPRS Air interface.



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