

Telecoms & Tech Academy

ONLINE ACADEMY

TELECOMS 101

Format:
Online Academy

Duration:
5 Modules

**KNect365
Learning**
an informa business

TELECOMS 101 PROGRAMME

COURSE OVERVIEW

This Online Academy training programme provides an excellent grounding in Modern Telecommunications, with the basics presented in a clear and easy to understand format. This short training course is aimed at those who are new to telecoms and need onboarding or those non-technical specialists who need refresher training within telecoms.

The content has been designed to help non-technical staff who need to work alongside some very technically savvy people inside and outside of the industry. The programme is designed to help you speak their language.

PROGRAMME MODULES

- 1) Introducing the basics: Services, Applications & Transmission Systems
- 2) Switching, Signalling & Supporting Systems
- 3) Techniques used in Fixed Networks
- 4) Techniques used in Mobile Networks
- 5) Datacoms & Internet
- 6) Industry Outlook

WHAT WILL YOU LEARN

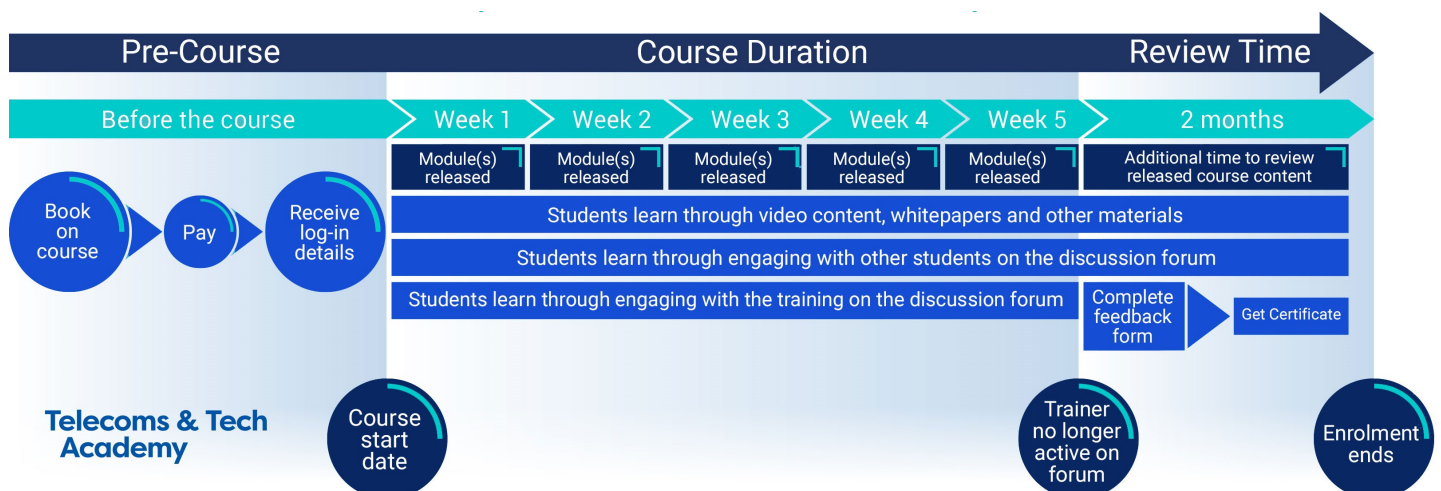
Attending this course will empower you to develop or be able to:

- Chart the evolution of telecoms and the trends in services and apps
- Describe the relevance of the five basic requirements of all communications networks
- Discuss with confidence the emerging role of Applications and Services
- Highlight the key differences and advantages of various transmission media types: Copper, Radio, Fibre-Optic and Free Space Optical
- Assess the features and limitations of the major Fixed Network concepts including access switching principles and network topologies
- Assess the major developments in Mobile Network technology and chart migration paths to the most efficient and capable technologies
- Illustrate the technologies showing how they are categorised according to the generational model (1G to 4G)
- Explain the fundamental concepts of IP and Data Communications within both corporate and public networks
- Discuss the operation of the Internet and the main features of its topology
- Discuss the major features and requirements of Radio Systems including technologies such as NFC, Bluetooth, WiFi, WiMAX, and TETRA
- Assess the possible business and revenue opportunities that technologies like 5G and IOT offer

BENEFITS OF ONLINE ACADEMY

- **Boost your resume** – with self-paced learning and advance your career with specialist technical skills
- **Convenience and flexibility** – Learn whenever you want – from the comfort of your home or office
- **Enabled for mobile** – make use of downtime with easy bite sized chunks of learning
- **Learn and apply right now** – immediately implement what you learn during the course
- **Become part of a professional learning community** – discuss any problems with students and the Course Instructor
- **Cost effective** – save on travel expenses, reduce unproductive down time and no crowded airports
- **Grow as a team** – with multiple licenses your team can access the course and learn together, no matter where they are in the world

WHAT HAPPENS DURING YOUR ONLINE ACADEMY COURSE?



PROGRAMME MODULES

MODULE 1

- Introducing the basics
- Services and Applications
- Transmission Systems

MODULE 2

- Switching Systems
- Signalling Systems
- Supporting Systems

MODULE 3

- Techniques used in Fixed Networks

MODULE 4

- Techniques used in Mobile Networks

MODULE 5

- Datacoms
- Internet

MODULE 6

- Industry Outlook



www.telecomstechacademy.com

**KNect365
Learning**
an informa business