

Telecoms & Tech Academy

TELECOMS 101

Format:
Online Academy

Duration:
5 Modules



Brought to you by

informatech

TELECOMS 101

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

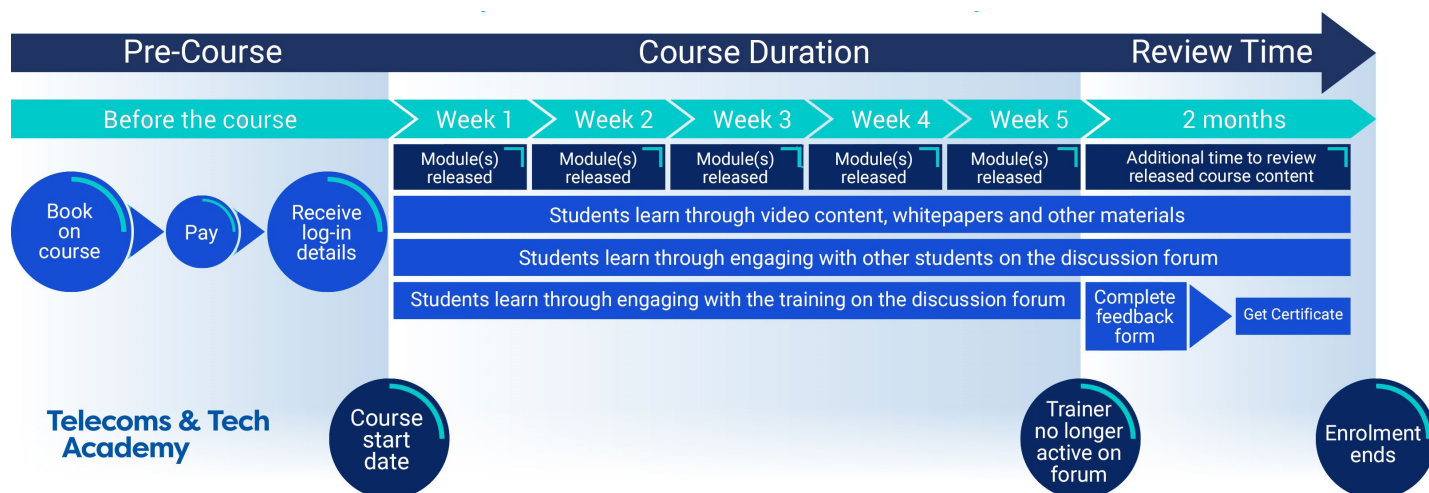
Attending this course will empower you to develop or be able to:

- 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

About Telecoms & Tech Academy

Telecoms & Tech Academy, part of Informa Tech is a leading training partner to the telecoms, media and technology (TMT) industries, having trained more than 30,000 professionals and 500 businesses globally.

We were borne out of the telecoms industry and understand the challenges the sector has been facing. Our training portfolio continues to evolve to help address new and emerging skills gaps faced by telecoms & tech businesses.

Our In-Company Solutions

Expert insight, delivered in a format to suit your needs, to enhance knowledge and drive performance in your team. Our learning & development consultants will work closely with your team to establish your unique business needs and define success measurements.