



Your quick guide to telecoms training

CATEGORY	CODE	LEVEL			DURATION
5G and Connected Innovation		1	2	3	Days
5G Technology, Services and Markets	FG1701	▲			1
Telecoms Strategy & Technology – Positioning for 5G	FG1705	▲			4
5G Air Interface Overview	FG1702		▲		1
5G Architecture and Protocols Overview	FG1713		▲		1
5G Engineering	FG1704		▲		2
5G Engineering Overview	FG1703		▲		1
5G Air Interface	FG1714			▲	2
5G Architecture and Protocols	FG1715			▲	2
5G Infrastructure and Operation	FG1902			▲	3
5G Network Slicing	FG1904			▲	1
5G Security	FG1901			▲	1
5G Service Based Architecture and Core Network	FG1903			▲	2
Network Virtualisation		1	2	3	Days
Cloud Computing	WR1201	▲			1
Network Functions Virtualisation (NFV) Engineering	IP1602		▲		2
SDN and NFV	IP1603		▲		2
Software Defined Networking (SDN)	IP1502		▲		1
LTE Network Design		1	2	3	Days
LTE Backhaul Planning	LT1312		▲		1
LTE Carrier Aggregation	LT1603		▲		0.5
LTE Engineering	LT3600		▲		2
LTE Mission Critical Communications	LT1604		▲		2
Machine Type Communications for LTE	WR1702		▲		0.5
Self Organizing Networks (SON) Techniques for LTE	LT1501		▲		0.5
Small Cells Engineering Overview	LT1311		▲		2
Cell Planning for LTE Networks	LT2901			▲	2
LTE Access Network		1	2	3	Days
Mobile Backhaul for 3G and 4G Networks	TY1201		▲		2
Single RAN	LT1203		▲		1
LTE Air Interface	LT3602			▲	3
LTE Optimization	LT1001			▲	2
LTE Radio Access Network	LT3603			▲	2
LTE Core Network		1	2	3	Days
LTE Backhaul	LT1202		▲		1
LTE Billing and Charging	LT1316			▲	0.5
LTE End-to-End Signalling	LT1301			▲	2
LTE Evolved Packet Core Network	LT3604			▲	3
LTE Quality of Service	LT1314		▲		1
LTE Security	LT1303			▲	0.5
LTE Voice Options		1	2	3	Days
Voice Options for LTE	LT1601		▲		0.5
2G to 4G Indoor Coverage Planning	MB1304			▲	3
LTE Voice – VoLTE	LT1002VO			▲	2
LTE Voice and IMS Overview	LT1602			▲	3
IP Engineering		1	2	3	Days
Internetworking, Ethernet LANs and VLANs Principles	IP1304		▲		1
IP Engineering	IP2300		▲		2
IPv6: Enabling the Internet of Things	IP1402		▲		3
MPLS	MB2501		▲		1
AAA Diameter	QS1301			▲	2
Broadband Access Technologies	TY2701		▲		1
IP Backbone Traffic Engineering	IP2301			▲	2
TCP/IP	QS2501		▲		3



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CATEGORY	CODE	LEVEL			DURATION
		1	2	3	
Bootcamps					
Basic Network Administrator	HM1401		▲		3
IP Advanced Network Engineering	HM1402			▲	5
IP Workshop	IP2900			▲	5
IP Workshops					
IP Addressing and Internet Protocols Principles	IP1305		▲		1
Quality of Service Principles	IP1308		▲		2
Routing Protocol Principles	IP1306		▲		2
IP Multicast Routing	IP1311			▲	2
MPLS VPNs and Traffic Engineering	IP1312			▲	2
OSPF and BGP Routing Protocols	IP1310			▲	2
Quality of Service (QoS)	IP1309			▲	2
IMS and SIP					
Session Initiation Protocol (SIP)	MB1401		▲		1
SIP Trunking	MB1305		▲		0.5
IP Multimedia Subsystem (IMS)	MB1402			▲	2
NGN Voice Protocols	TY1202			▲	3
SIGTRAN	QS2600			▲	2
Softswitching and VoIP	IP2001			▲	2
UMTS and HSPA					
UMTS System Overview	MB350		▲		2
Cell Planning for UMTS Networks	MB2005			▲	2
HSPA Principles and Application	RP2500			▲	1
Introduction to UMTS Optimization	RP2400			▲	3
UMTS Air Interface	MB2002			▲	3
UMTS Core Network	MB2004			▲	3
GSM, GSM-R and GPRS					
GSM System Overview	MB20		▲		2
GSM-R Engineering Overview	MB2803		▲		2
GSM-R for Rail Engineers	MB1901		▲		1
Packet Engineering for Cellular Mobile Networks	MB1201		▲		2
GSM Air Interface	MB50			▲	3
Professional Mobile Radio (PMR)					
TETRA System Overview	TR1302		▲		2
DMR System Design	PR1302			▲	2
TETRA Air Interface	MB2601			▲	2
TETRA Direct Mode Operation	TR1203			▲	1
TETRA Security	TR1301			▲	1
TETRA System Design	TR1202			▲	2
Radio Engineering					
Introduction to Radio	RP1302	▲			1
Principles of Radio Site Engineering	RP2100		▲		2
Radio Principles	RP1301		▲		3
Radio System Design	RP1101		▲		3
IP Microwave and E Band Planning	RP1306			▲	0.5
Microwave Link Planning	RP1601			▲	3
Essential Technologies					
Telecoms – Today and Tomorrow	WR1402	▲			1
Telecoms Fundamentals	WR1701	▲			3
2G to 5G Mobile Technologies	MB1101		▲		2
Introduction to Telecoms	TY2600		▲		3
Machine to Machine (M2M)	WR1403		▲		2
Wi-Fi Engineering Overview	WR1501		▲		2
Mobile Intelligent Networks (CAMEL)	MB90			▲	2
Next Generation Transmission	TY2702			▲	3
SS7 Engineering	QS2500			▲	3