

Course Name	Code	Difficulty	Days	Description
New Telecom Business				
IoT Opportunities and Strategies across Vertical Industries	EC0101	*	1-3	
IoT Business Models	EC0102	*	1-3	
Smart City – Telecommunication Revolution for Modern Cities	EC0103	*	1-2	
Expanding Mobile Business. Data Monetization Strategies	EC0104	**	2	
Digital Transformation				
The Cloud for Telecom Operators	EC0201	**	2	
Virtualization and Cloudification of Network Architecture NFV / SDN	EC0202	**	2	
RAN Cloudification: Cloud RAN, new fronthaul	EC0203	**	1	
Telecom Applications and Protocols. Fundamentals of the IP/MPLS Core	EC0204	*	5	
Operating Systems in Telecom	EC0205	*	1	
Technical RAN, Evolution				
LTE-A Pro (4.5G) and Evolution to 5G	EC0301	*	3-4	
RAN Evolution to 5G (Cloud RAN, 4.5G, 5G)	EC0302	*	1-2	
IoT in 4.5G (NB-IoT) and eMTC (CAT-M)	EC0303	***	1-2	
LTE and LTE-A Pro (4.5G) RAN Signalling	EC0304	**	3-5	
LTE and Multi-RAT RAN Functionality	EC0305	**	3-5	
Advanced LTE and LTE-A RAN Training	EC0306	***	3-5	
VoLTE Principles and Functionality	EC0307	***	3	
RAN Planning / Optimization				
LTE/LTE-A/4.5G Radio Network Planning	EC0401	**	3	
GSM, UMTS, LTE, 4.5G – Selected RAN Optimization Aspects	EC0402	***	5	
Advanced Training on LTE/LTE-A/4.5G Planning and Optimization	EC0403	***	5	
VoLTE Planning and Optimization	EC0404	***	3	
Advanced RAN Workshop on Drive Test logs Analysis and Optimization (GSM, UMTS, LTE)	EC0405	***	4	