



# Viavi Solutions™ Seminars



**EMEA Education Services**  
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Topic - Course Title (other topics/Customization on Request)	Duration [days]	Date	Place	Price/ Student +VAT
<b>Data/IP- &amp; Access Networks</b>				
IP-Security	2	*on Request*	Eningen	1.210 €
PON , GPON & FTTx - Passive Optical Networks	2	*on Request*	Eningen	1.210 €
High Speed Telephone Line Access – Principles, Qualification Tests of DSL Transmission	2	*on Request*	Eningen	1.210 €
<b>Transport Networks</b>				
Expert Knowledge Glass Fiber Network Technology- optical transmission and testing, Fibecharacterization, PON und FTTx	3	*on Request*	Eningen	1.775 €
SDH-PDH-PCM: How does it work? Techniques, Standards, Applications and Tests – Including Measurement Examples	2	*on Request*	Eningen	1.210 €
Network Quality – Synchronization, Jitter, Wander and Measurements	2	*on Request*	Eningen	1.210 €
Basics of WDM Systems and Technologies for New Optical, High-Speed Networks with Bit Rates of 10/40/100 Gbps	3	*on Request*	Eningen	1.775 €
OTN – Introduction to Optical Transport Networks, According to ITU-T Rec. G.709 (plus Sup43)	2	*on Request*	Eningen	1.210 €
Frequency- and Time-Synchronization in Packet Networks: Synchronization methods SyncE, IEEE1588v2, CEoP, NTP	2	*on Request*	Eningen	1.210 €
<b>Triple Play and IP-TV</b>				
Triple Play, IP-TV and MPEG	2	*on Request*	Eningen	1.210 €
MPEG Coding and Testing	1	*on Request*	Eningen	605 €
Voice- and Video-Quality Measurements (VQA)	2	*on Request*	Eningen	1.210 €
<b>Wireless</b>				
LTE – Long Term Evolution	2	*on Request*	Eningen	1.210 €
LTE from A-Z - Reloaded, Technology and Concepts of 4G 3GPP	2	*on Request*	Eningen	1.210 €
LTE-A to LTE-C, Design Details & System Engineering	2	*on Request*	Eningen	1.210 €
Fiber to the Antenna	2	*on Request*	Eningen	1.120 €
Cable & Antenna Analyzer JD 7xx Workshop (JD723, 724, 725 + JD745 CAA part)	1	*on Request*	Eningen	605 €

Topic – Course Title (other Topics / Customization on request)	Duration [days]	Date	Place	Price/ Student + VAT
<b>Workshops with Lab Session</b>				
<b>Workshops where Wireshark is used:</b>				
Network Analysis - Troubleshooting and Protocol Analysis of Ethernet/IP Networks	3	*on Request*	Eningen	1.775 €
Practical work with “Wireshark” and “Iperf”: Network analysis and Throughput measurements	2	*on Request*	Eningen	1.210 €
VoIP Analysis with Wireshark Analysis of Signaling and Audio Problems	3	*on Request*	Eningen	1.775 €
<b>Workshops where Fiber Optic Instruments are used:</b>				
MTS-xxx LWL-Workshop (OTDR)	2	*on Request*	Eningen	1.210 €
FiberTrace and FiberCable Workshop	1	*on Request*	Eningen	605 €
MTS-xxx OSA Workshop	1	*on Request*	Eningen	605 €
Fiber to the Antenna - Seminar with Lab Session	2	*on Request*	Eningen	1.210 €
Characterization and troubleshooting of fiber optic paths (OTDR, CD, PMD) using MTS-xxx & Optical handhelds. Splicing & Cleaning )	3	*on Request*	Eningen	1.775 €
Certifier 40G & Fiber Inspection & Cleaning	2	*on Request*	Eningen	1.210 €
<b>Workshops where Ethernet/IP/UDP/TCP Testers / Load Generators &amp; Analyzers are used:</b>				
MTS-8000/-6000A/-5800 Ethernet	2	*on Request*	Eningen	1.210 €
JDSU TrueSpeed and SAMComplete – experience the network as your customers do. OSI-L4 testing based on standards Y.1564 & RFC 6349	3	*on Request*	Eningen	1.775 €
MTS-8000/-6000A/-5800 Fibre Channel	1	*on Request*	Eningen	605 €
Cable & Antenna Analyzer JD 7xx Workshop (JD723, 724, 725 + JD745 CAA part)	1	*on Request*	Eningen	605 €