



ENHANCE THE KNOWLEDGE OF
YOUR TECHNICAL TEAMS—
TRAIN YOUR EMPLOYEES
WITH SCTE•ISBE.

Prepare Your Workforce for Tomorrow's Technology, Today.

SCTE•ISBE programs and resources provide the essential knowledge and insight to keep you competitive. We provides significant value not only to individual members, but also organizations. An educated and highly trained workforce will mean fewer truck rolls, more efficient network operations and, ultimately, a better experience for your customer. Corporate trainers can partner with SCTE•ISBE and work directly with our professional development staff to customize a program that meets their organization's requirements.

We regularly update the education and training programs we offer to help the industry stay current with the latest cable technologies.



If your employees need training on emerging technologies, we can help—contact SCTE•ISBE for a workforce needs assessment at profdev@scte.org or **800.542.5040**.

COURSES FOR ALL LEVELS:

Whether you're an experienced telecommunications professional looking to enhance your technical expertise and skills, a student striving to break into the industry, or a professional who wants to build credentials through our certifications, SCTE•ISBE has the essential knowledge you need to advance your career.

Learn more at scte.org/courses

TECHNICAL TOPICS:

SCTE•ISBE offers training modules on hundreds of technical topics. Find those that will enhance your workforce and business success.

We Train Your Workforce on the Latest Technologies. Find the Topics You Need.

Our cable-specific training programs drive business results.

SCTE•ISBE offers courses covering current technology topics that can be tailored to the needs of your employees. Providing your entire training programs through a single source ensures that your employees follow career progressions, complete required programs, and gives you tracking and reporting documentation. Let us show you a better way to provide your employee training at a cost that is less than you think.

 For a proposal on how our corporate training solutions can deliver success for your organization's next initiative, contact SCTE•ISBE at profdev@scte.org or 800.542.5040.

MEMBERSHIP MATTERS:

All SCTE•ISBE courses and webinars are offered at significant cost savings for members. Additionally, the Corporate Alliance Partner Program provides a wide variety of opportunities including discounted membership rates and training for employees.

To learn more or request a proposal email membership@scte.org or visit scte.org/membership



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Introducing CORTEX VirtuLearn™—a revolutionary, interactive, multisensory training experience—now part of our online training courses.

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Topic	VirtuLearn	Spanish	Field [F]	Engineer [E]	Online	On-site
802.11			E	E		•
10G	•		F	E		•
Access Network Architecture			F			•
Access Network Components	•		F			•
Access Network Powering	•	•	F			•
Access Networks Monitoring, Testing & Troubleshooting	•	•	F			•
Activation and Testing	•	•	F			•
Active Devices	•	•	F			•
Addressing		•	F			•
Aerial Installation	•	•	F			•
Amplifier Operation	•	•	F			•
Artificial Intelligence	•		F	E		•
Automation		•	F			•
AWG	•		F			•
Bit Error Ratio (BER)			F			•
Broadband Signals	•	•	F			•
Business Services	•		F			•
Business Support Systems (BSS)	•	•	F			•
Cable 101			F			•
Cable Mathematics	•	•	F			•
Cable Modem Initialization				E		•
Cable Modem Termination System (CMTS)				E		•
Cable Wi-Fi				E	E	•
CableWiFi	•	•	F			•
Career Development	•		F	E		•
Carrier Ethernet	•		F			•
CCAP	•		F			•
Circuit Switched Voice	•	•	F	E		•
Cloud Computing		•	F			•

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Coaxial Cable & Connectorization	•	•	F			•
Computer Assembly & Troubleshooting		•	F			•
Construction Coaxial and Optical	•	•	F			•
Critical Facilities	•			E		•
Customer Premises Equipment (CPE)	•	•	F			•
Customer Service	•	•	F			•
Cybersecurity		•		E		•
DAA	•		F	E		•
Digital Media	•		F			•
Digital Signals	•	•	F			•
Digital Troubleshooting	•		F			•
Disaster Recovery	•			E		•
DOCSIS 1.1 to 3.1	•	•		E		•
DOCSIS Channel Bonding				E		•
DOCSIS Installation & Deployment	•	•	F			•
DOCSIS Monitoring & Troubleshooting	•	•	F			•
DOCSIS Node Combining Plan (NCP)				E		•
DOCSIS Physical (PHY)	•		F			•
DOCSIS Provisioning of EPON (DPoE)	•		F			•
DOCSIS Set-top Gateway (DSG)	•			E		•
DOCSIS Signals			F			•
Domain Name Service (DNS)			F			•
Dynamic Host Configuration Protocol (DHCP)		•	F			•
Electrical Theory	•	•	F			•
Electronic Theory	•	•	F			•
Enterprise Networks	•		F			•
EPON	•		F			•
Ethernet & Gigabit Ethernet	•		F			•

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Ethernet Cabling			F		•	•
Ethernet Troubleshooting			F		•	•
Extensible Authentication Protocol (EAP)				E		•
Facilities	•	•		E	•	•
Fiber Deep	•		F		•	•
Fiber Optic Design & Architecture	•	•	F		•	•
Fiber Optic Networks & Communication	•		F			•
Fiber Optic Power Budgets	•	•	F		•	•
Fiber Optic Signals at the Node			F		•	•
Fiber Optic Splicing & Connectors	•	•	F		•	•
Fiber Optic Testing & Measurements	•	•	F		•	•
Fiber Optic Transport	•	•		E	•	•
Fiber Optics	•	•	F		•	•
Fiber Restoration	•	•	F		•	•
Fiber to the Premises/ Home (FTTP/FTTH)			F			•
Fiber to the x (FTTx/ Fiber Deep)			F			•
Fiber to the x (FTTx) Measurements & Troubleshooting	•	•	F		•	•
GPON	•	•	F		•	•
Greener Facility	•			E	•	•
HFC Access Network Architecture	•	•	F		•	•
High Speed Data (HSD)/ High Speed Internet (HSI)	•	•	F		•	•
Home Networking			F		•	•
HVAC	•	•		E	•	•
IEEE 802.11ac/n			F	E		•
Installation	•	•	F		•	•
Installation Tools and Materials	•	•	F		•	•
Installation Troubleshooting	•	•	F		•	•
Intermodulation Distortions	•	•	F		•	•
Internet of Things (IoT)		•	F		•	•
Internet Protocol TV (IPTV)	•		F		•	•


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Intrusion Prevention System (IPS)				E	•	•
IP Addressing		•	F		•	•
IP Configuration		•	F		•	•
IP Multimedia Subsystem (IMS)	•	•	F	E	•	•
IP Network Troubleshooting				E	•	•
IP Networking	•	•	F		•	•
IP Quality of Service (QoS)			F	E	•	•
IP Routing		•	F		•	•
IP Troubleshooting		•	F		•	•
IPv4 Networking	•	•	F		•	•
IPv6 Addressing				E	•	•
IPv6 Cable Networks				E	•	•
IPv6 Migration			F	E	•	•
IPv6 Neighbor Discovery (ND)			F			•
IPv6 Networking	•	•	F		•	•
IPv6 Provisioning				E	•	•
IPv6 Troubleshooting				E		•
Juniper				E		•
Leadership Development	•		F	E	•	
Linux		•	F		•	•
Linux Boot Process				E		•
Linux Command Linux Index (CLI)				E		•
Linux Configuration				E		•
Linux File System				E		•
Linux Installation				E		•
Linux Networking				E		•
Linux Runlevels				E		•
Linux Software & Package Management				E		•
Linux Troubleshooting				E		•
Linux Users and Groups				E		•
Long Loop ALC	•		F		•	•
LoRAWAN	•		F		•	

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Media Access Control (MAC) Layer		•	F		•	•
MEF				E	•	
Metadata and Signaling	•	•		E	•	•
Mobility	•		F		•	•
Modulation			F			•
Moving Picture Experts Group (MPEG) 2 H.262/4 H.264	•	•		E	•	•
Moving Picture Experts Group (MPEG) HEVC H.265	•	•	F		•	•
Moving Picture Experts Group (MPEG) Troubleshooting	•	•		E	•	•
MPEG Compression	•	•		E	•	•
Multimedia over Coax Alliance (MoCA)	•		F		•	•
Multiple Dwelling Unit (MDU) Troubleshooting	•	•	F		•	•
Multiplexing	•		F		•	•
Network Architecture & Design	•	•	F			•
Networking Media and Signals			F		•	•
Networking Protocols		•	F		•	•
Networking Topologies			F		•	•
NFV	•			E	•	
OFDM				E		•
OFDMA				E		•
Open Shortest Path First (OSPF)		•	F		•	•
Operation Support System Interface (OSSI)	•			E	•	•
Optical Distribution Network (ODN)	•	•	F		•	•
OTDR Operation	•	•	F		•	•
PacketCable			F		•	•
Passive Devices	•	•	F		•	•
Passive Optical Networks (PON)	•	•	F		•	•
Physical (PHY) Layer	•	•	F		•	•
Plant Sweeping	•	•	F		•	•
PoE			E	E		•
Powering	•	•		E	•	•

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Premises Signal Configuration	•	•	F		•	•
Proactive Network Maintenance (PNM)	•	•	F		•	•
Programming & Scripting				E		•
Project Management						
Proof of Performance (PoP) Testing	•	•	F		•	•
Provisioning				E	•	•
Quality of Service (QoS)		•	F		•	•
Radio Frequency	•		F		•	•
Radio Frequency over Glass (RFoG)			F			•
Recommended Practices	•		F		•	•
Residential and Commercial Fiber			F			•
Responding to Optical & Coax Outages	•	•	F		•	•
Return Path	•	•	F		•	•
Return Path Optimization	•		F		•	•
RF in Wireless Fidelity (Wi-Fi) Networks	•	•	F		•	•
RF Modulation & Multiplexing	•	•	F		•	•
RF Principles				E		•
RF System Theory			F	E		•
RF Troubleshooting			F		•	•
Route Filtering & Summarization				E		•
Routing		•	F		•	•
Routing Protocols				E	•	•
Routing Protocols BGP				E		•
Safe Work Practices	•	•	F		•	•
SD-WAN	•		F		•	•
Security				E	•	•
Security in Networks				E	•	•
Security Threats				E	•	•
Security: 802.1x (EAP)				E		•
Security: AAA				E	•	•
Security: Access Control Lists		•	F		•	•

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Security: ASA				E	•	•
Security: DOCSIS			F			•
Security: Firewalls				E	•	•
Security: Linux				E		•
Security: Wi-Fi	•	•	F		•	•
Service Management				E		•
Session Initiation Protocol (SIP)	•		F		•	•
Signal Impairments	•		F		•	•
Signal Leakage Measurements	•	•	F		•	•
Signaling and Transmission in Cable Networks	•	•	F		•	•
Spanning Tree				E	•	•
Subnetting IP, VLSM and Wild Card Masking		•	F		•	•
Switched Digital Video (SDV)	•		F		•	•
Switched Networks & Configuration		•	F		•	•
System Design & Maintenance	•	•	F		•	•
TCP & UDP		•	F		•	•
Telephony Voice Services	•	•	F		•	•
Test Equipment and Common Measurements	•	•	F		•	•
Traffic Engineering				E	•	•
Triple Play	•	•	F		•	•
Troubleshooting IP Networks				E	•	•
Troubleshooting Network Performance				E	•	•
Troubleshooting VoIP						•
Troubleshooting Wireless				E	E	•
Underground Installations	•	•	F		•	•
Video	•	•		E	•	•
Video Artifacts	•	•		E	•	•
Video High Definition (HD), Ultra HD (UHD)/4K	•	•	F		•	•
Video over IP Monitoring	•		F	E	•	•
Video Troubleshooting	•	•	F		•	•
Virtual Local Area Network (VLAN) Routing	•		F		•	•

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Virtual Private Network (VPN)				E	•	•
Virtualization		•	F		•	•
Voice and Data Service Troubleshooting	•			E	•	•
VoIP	•	•		E	•	•
WAN	•		F		•	•
Wi-Fi	•		F		•	•
Wi-Fi/Wireless Home Networking	•	•	F		•	•
Wi-Fi/Wireless Operation & Troubleshooting	•	•	F		•	•
Wi-Fi/Wireless Site Survey	•	•	F		•	•
Wi-Fi 6	•		F		•	•
Wi-Fi Operation	•	•	F		•	•
Wireless			F	E		•
Wireless Antennas			F	E		•
Wireless Installation			E	E		•
Wireless Local Area Networks (WLANs)			F	E		•
Wireless Security			E	E		•
ZigBee & Z-Wave	•	•	F		•	•

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