COMMSCOPE®

INFRASTRUCTURE ACADEMY

Full Training Course List

April 2020

Understanding the RF Path

SP6000
Online course

This course provides a greater understanding of and appreciation for, the technology, science and business behind modern RF (Radio Frequency) communications.

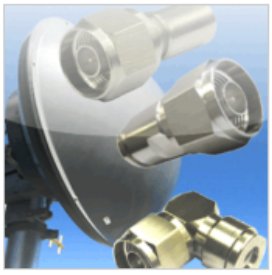
- Estimated study time: 6 hours 45 minutes
- Overall content duration: 5 hours 10 minutes

Connector Attachment Certification

SP6101
Online course

This course looks at the correct procedure for the installation of connectors onto transmission coaxial cables for wireless networks, using technical videos to show the step by step processes.

- Estimated study time: 4h 45m
- Overall content duration: 3h 40m



Connector Attachment for CNT Braided Coax

SP6103
Online course

This course discusses CNT braided coaxial cable & connectors, used widely in wireless microwave systems. It covers cable selection, transmission & termination with videos showing step by step processes.

- Estimated study time: 2h 45m
- Overall content duration: 2h 5m

RET ATC200 System

SP6104
Online course

This short course looks at the RET ATC200 (Remote Electronic Tilt) system including the physical components and a step by step guide through configuring and running the USB Lite software.

- Estimated study time: 1h 10m
- Overall content duration: 55m

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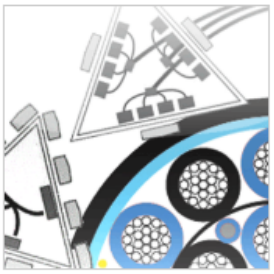
Microwave Radio Antenna Link Fundamentals

SP6105
Online course

This course covers the fundamentals of microwave transmission, microwave theory, microwave antenna selection and systems installation. This course replaces the classroom course previously held by the Andrew Institute.

- Estimated study time: 4 hours
- Overall content duration: 3 hours 5 minutes



HELIAX FiberFeed Certification

SP6107
Online course

This course introduces the HELIAX FiberFeed (HFF) Solution, part of the Andrew Wireless solutions. It covers the specification, installation and inspection of the HFF solution to Remote Radio Units (RRU).

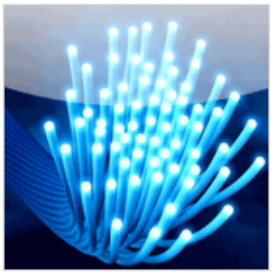
- Estimated study time: 1h 55m
- Overall content duration: 1h 30m

RET Antenna Systems

SP6140
Online course

This course looks at the latest demands on wireless networks, network trends and products and how tuning and Remote Electrical Tilt (RET) Antenna technology can meet these challenges.

- Estimated study time: 3 hrs
- Webcast duration: 1hr



Fiber to the Antenna (FTTA)

SP6170
Online course

This course will provide a solid and detailed overview of Fiber optic technology, CommScope's relevant fiber solutions, fiber theory, installation and testing to support the move towards FTTA.

- Estimated study time: 6 hours 10 minutes
- Overall content duration: 5 hours 35 minutes

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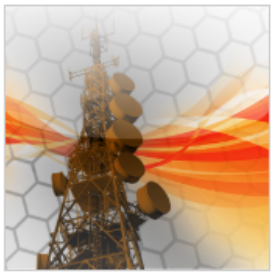
DAS and Small Cell courses

Course Registration

DASSCC

Online course

Scheduled DAS and Small Cell courses in the US and EMEA for DAS and Small Cell solutions including Era & OneCell.



Microwave Path Engineering Fundamentals

SP6700

Online course

Gain expertise in Microwave path engineering with a mix of both theory and real world examples. Covers basic elements of a microwave path, the role of propagation in design, the elements of good path design, regulatory considerations and more.

- Estimated study time: 3 hours 40 minutes
- Webcast duration: 2 hours 37 minutes

Microwave Path Design

SP6710

Online course

A comprehensive microwave design certification course developed in collaboration with George Kizer, a pioneer and subject matter expert in the field of microwave design and author of Digital Microwave Communication.

- Estimated study time: 4 hours 30 minutes
- Overall content duration: 3 hours 50 minutes

In-Building RF Wireless Fundamentals

SP6550

Online course

An introduction to In-Building Wireless Solutions. It provides an overview of deployment strategies for modern cell and Wi-Fi networks as well as providing a look at the future of in-building wireless.

- Estimated study time: 1 hour 36 minutes
- Overall content duration: 1 hour 17 minutes

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Infrastructure Solutions for Broadband Applications

SP1000
Online course

This course focuses on Broadband Infrastructures including FTTx, HFC, PON and copper based solutions, and takes a detailed look at infrastructure fundamentals, architectures and solutions for FTTx.

- Estimated study time: 9 hours
- Overall content duration: 6 hours 41 minutes

CommScope Broadband Drop Solutions

SP1010
Online course

This course is part of a suite of courses that focus on Broadband Infrastructures and solutions and takes a detailed look at copper and fiber Drop cable solutions.

- Estimated study time: 3 hours
- Webcast duration: 2h:42m

CommScope Broadband OSP Fiber Solutions

SP1020
Online course

This course is part of a suite of courses that focus on Broadband Infrastructures and solutions and takes a detailed look at Outside Plant fiber solutions.

- Estimated study time: 3 hours
- Webcast duration: 2h:58m

CommScope Broadband Trunk and Distribution Solutions

SP1040
Online course

This course is part of a suite of courses that focus on Broadband Infrastructures and solutions and takes a detailed look at Trunk and Distribution Cables.

- Estimated study time: 3 hours
- Webcast duration: 2h:49m

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CommScope Broadband ConQuest Solution

SP1050
Online course

This course is part of a suite of courses that focus on Broadband Infrastructures and solutions and takes a detailed look at ConQuest® CIC (Cable In Conduit) product family.

- Estimated study time: 3 hours
- Webcast duration: 2h:11m

CommScope Broadband Drop Installation Fundamentals

SP1100
Online course

This course provides broadband installers with knowledge and guidance in the key areas required to perform broadband drop cable installation and troubleshooting.

- Estimated study time: 3 hours
- Webcast duration: 2h:3m

Structured Cabling Infrastructure Design ACT III

SP3000
Online course

This is the structured cabling design course for CommScope's NETCONNECT /Uniprise product range of components. It is also known as ACT III and usually taken after completing the ACT I and ACT II courses.

- Estimated study time: 4 hours 30 minutes
- Overall content duration: 4 hours

SYSTIMAX Design and Engineering

SP3321
Online course

This is the foundation Design and Engineering course for SYSTIMAX solutions. It supports the SYSTIMAX warranty and provides a platform for infrastructure designers to continue on with specialized design courses.

- Estimated study time: 10 hours
- Overall content duration: 9 hours

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SYSTIMAX MasterClass D&E and I&M Recertification

SP3351

Online course

The course combines the recertification material for both D&E and I&M courses for you to re-qualify in your original discipline. Its focus is the latest SYSTIMAX Design and Installation changes and important revisions.

- Estimated study time: 7 hours
- Overall content duration: 6 hours 23 minutes

SYSTIMAX Installation and Maintenance

ND3361

Classroom course

This classroom hands-on course teaches students the required SYSTIMAX termination and testing best practices and procedures. Allows approved Partner students to warranty SYSTIMAX sites for installation.

SYSTIMAX Installation & Maintenance

SP3361

Online course

This online course teaches students the required SYSTIMAX termination and testing best practices and procedures. Allows approved Partner students to register projects for SYSTIMAX warranty.

- Estimated study time: 9 hours 40 minutes
- Overall content duration: 7 hours 48 minutes

SYSTIMAX Installation and Maintenance - 'In House Training'

FC3361

FC course

This course is the Flexible Course (FC) version of the SYSTIMAX I&M (ND3361)that allows a student to be taught and qualified 'in-house' by a qualified instructor from within your own company.

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SYSTIMAX Installation & Maintenance Recertification

SP3361R

Online course

This is designed as an update course for students who have completed the online SP3361 or classroom based ND3361. Developed specifically with technicians in mind, to ensure any updates to products, termination methods or standards are included.

- Estimated study time: 6 hours 30 minutes
- Webcast duration: 4 hours 20 minutes

Installing Premises Cabling Systems NETCONNECT ACT I

ND3801

Classroom course

This classroom based NETCONNECT certification course teaches the latest installation and termination techniques to support the solution to ACT I level. If you prefer to take this course online or it is unavailable locally, refer to the SP3801.

Installing Premises Cabling Systems ACT I

SP3801

Online course

This course covers installing premises cabling systems for the CommScope NETCONNECT and UNIPRISE range of both copper and fiber products, including transmission basics, installation and termination and applicable standards.

- Estimated study time: 7 hours
- Overall content duration: 6 hours 20 minutes

Installation Recertification Training ACT I

SP3801R

Online course

This CommScope online installation training course is for those students that require re-certification of ACT I within 3 years. The course includes the latest update material to support successful solution installation.

- Estimated study time: 4 hours 15 minutes
- Overall content duration: 3 hours 50 minutes

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Certifying and Troubleshooting Premises Cabling Systems ACT II

SP3802
Online course

This CommScope ACT II course looks at field testing equipment for the verification of cabling installation/performance for both copper and fiber including test procedures and analysis in buildings / data centers.

- Estimated study time: 5 hours
- Overall content duration: 4 hours 10 minutes

Certifying and Troubleshooting Premises Cabling Systems NETCONNECT ACT II

ND3802
Classroom course

This NETCONNECT certification course teaches how to certify the performance of installed premises cable plants to ACT II level in a classroom. If you prefer take this course online, or it is unavailable as a class locally, refer to the SP3802.

Designing Premises Cabling Systems NETCONNECT ACT III

ND3803
Classroom course

This NETCONNECT certification course teaches you how to Design Premises Cabling to ACT III level in a classroom environment. If you prefer take this course online, or it is unavailable as a class locally, refer to the SP3000.

Fiber Optic Infrastructure Specialist

SP4420
Online course

The Fiber Optic Specialist Course is designed to provide a comprehensive overview of fiber optic infrastructure transmission, construction, planning, installation and inspection and testing.

- Estimated study time: 7 hours 30 minutes
- Overall content duration: 7 hours

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JDSU Get Fiber Smart

SP4700

Online course

It is the objective of the CommScope Infrastructure Academy to promote the very best education and 'in field' working practices. The SP4700 JDSU Get Fiber Smart course covers Fiber Inspection, Tier 1 and Tier 2 Testing.

- Estimated study time: 3h
- Webcast duration: 1h:43m

SYSTIMAX Certified imVision Support Specialist

GL5555

Online course

This course covers installation and configuration of the SYSTIMAX imVision solution. It now includes the latest 2015 R2 SMv7.2 updates, to form the requirement for Certified imVision Support Specialist (CISS) status.

- Estimated study time: 23h
- Webcast duration: 10h 07m

SYSTIMAX Certified imVision Support Specialist Recertification

GL5555R

Online course

This is the Recertification course for the GL5555 Certified imVision Support Specialist (CISS). It provides the latest updates for iPatch hardware and imVision System Manager software to v7.3

- Estimated study time: 4 hours
- Overall content duration: 3 hours

CommScope imVision Controller X

WR9551

Online course

This course introduces the imVision Controller X hardware, how it works with ipatch panels and integrates with imVision system manager software.

- Estimated study time: 1 hour
- Overall content duration: 46 minutes

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Documenting Campus Connections with imVision

WR9552
Online course

This course is a tutorial on how to document campus and outside plant connections with imVision system manager software.

- Estimated study time: 18 minutes
- Overall content duration: 17 minutes

SYSTIMAX Sales Solutions

SP5602
Online course

This course is designed to help you understand SYSTIMAX solutions and how they can help customers meet their needs and solve their problems and help you sell SYSTIMAX solutions more effectively.

- Estimated study time: 5 hours
- Webcast duration: 2h:34m

Cabling for Intelligent Buildings

SP7700
Online course

This course looks at the advancing trend of intelligent buildings and the necessary cabling to cover the requirements for Building Automation Systems (BAS).

- Estimated study time: 8h
- Webcast duration: 5h:43m

Introduction to Smart Cities & Buildings

WR9701
Online course

The objective of this course is to understand the trends in technology associated with what are known as smart cities, campus or buildings.

- Estimated study time: 25 minutes
- Overall content duration: 22 minutes

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The 4th Utility Concept

WR9702
Online course

The objective of this course is to understand the concept of structured cabling as the 4th Utility in buildings.

- Estimated study time: 1 hour
- Overall content duration: 55 minutes

Cabling for IP and LED Lighting Systems

WR9705
Online course

The objective of this course is to explore the fundamentals of IP and LED lighting and how to design and deploy them using a structured cabling system.

- Estimated study time: 30 minutes
- Overall content duration: 24 minutes

CommScope Security Design and Engineering

SP7710
Online course

This design course focuses on current security and access control (SAC) systems, technology, standards, architectures and methodologies and the CommScope products that support them.

- Estimated study time: 5h
- Webcast duration: 4h:01m

Pre Terminated Data Center Solutions

SP8850
Online course

The SP8850 course covers Data Center infrastructure technology, design, installation and architecture. Learn to provide resilient platforms that can be upgraded to meet new and emerging higher speed technologies using pre-terminated cabling solutions

- Estimated study time: 10 hours 30 minutes
- Overall content duration: 9 hours 40 minutes

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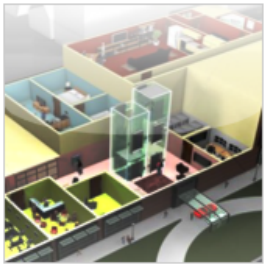

Residential/MDU Cabling Solutions

WR9100
Online course

The Residential & MDU (Multi Dwelling Units) Cabling Solutions course introduces the residential marketplace, applications, cabling products and installation.

- Estimated study time: 4 hours 40 minutes
- Overall content duration: 4 hours 12 minutes

Basic Theory of Broadband Cable Systems

WR9101
Online course

5 webinars giving a basic understanding of Power, Radio Frequency, Cable, Optical and RFoG theory, termination and technology.

- Estimated study time: 1hr 30mins

Carrier Virtualization with SDN and NFV

WR9110
Online course

This training provides the student with an understanding of Software Defined Networks (SDN) and Network Functions Virtualization (NFV). It also provides an overview of the impact of these technologies on the Central Office. Last it provides more deta

- Estimated study time: 1 hour
- Overall content duration: 55 minutes

FOSC 450 Cable Preparation & Installation

WR9411
Online course

This program focuses on the components and the installation process of FOSC 450 Fiber Optic Splice Closures.

- Assessment duration: 15 minutes

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Introduction to Hyperscale/Cloud Data Centers

SP8900
Online course

This course investigates Hyperscale datacenter environments. It highlights the similarities & differences in design, architecture & product sets versus other types of datacenters as well as covering fiber connectivity inspection & testing.

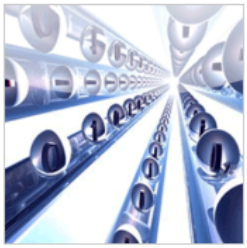
- Estimated study time: 2 hours
- Overall content duration: 1 hour 40 minutes

Hyperscale/Cloud Data Center Product and Installation

SP8910
Online course

Includes fiber connectivity products typically used in the Hyperscale and Cloud environments as well as details on fiber connectivity installation techniques imperative for technicians operating these data centers.

- Estimated study time: 2 hours 50 minutes
- Overall content duration: 2 hours 27 minutes

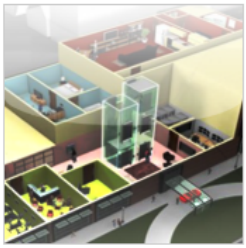


CommScope Coax Cable Solutions

SPCCCS
Online course

The focus of this course is to introduce CommScope coaxial products and solutions. It includes both coaxial transmission theory, applications such as Video and Security.

- Estimated study time: 5 hours
- Webcast duration: 1h:36m



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Basic Theory of Broadband Cable Systems

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5 webinars giving a basic understanding of Power, Radio Frequency, Cable, Optical and RFoG theory, termination and technology.

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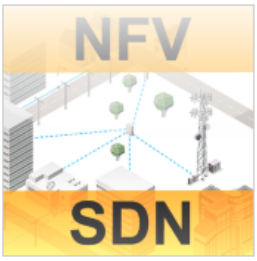

Carrier Virtualization with SDN and NFV

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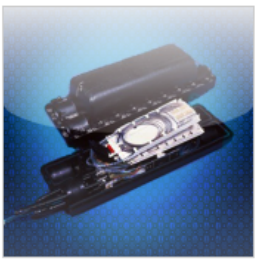
Estimated study time: 1 hour
Overall content duration: 55 minutes

FOSC 450 Cable Preparation & Installation

WR9411
Online course

This program focuses on the components and the installation process of FOSC 450 Fiber Optic Splice Closures.

Assessment duration: 15 minutes



FOSC 600 Cable Preparation & Installation

WR9412
Online course

This program focuses on the components and the installation process of FOSC 600 Fiber Optic Splice Closures.

Assessment duration: 15 minutes

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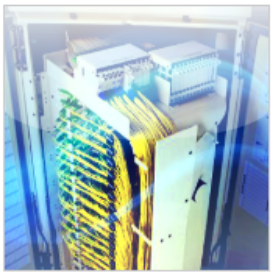


Fiber Distribution Hub 3000

WR9413
Online course

This course focuses on the components and the installation process of Fiber Distribution Hub (FDH) 3000.

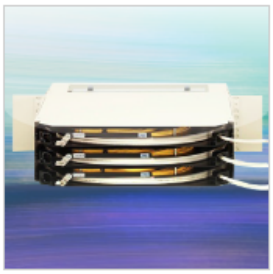
Assessment duration: 15 minutes

Fiber-to-the-Premises Plug & Play

WR9414
Online course

This FTTP program focuses on the components and the installation process for Multiport Service Terminals (MST), Drop Cables, and the DLX Fiber Optic Connector System.

Assessment duration: 15 minutes



Rapid Fiber Panel and FPX

WR9415
Online course

This course focuses on the components and the installation process for Rapid Fiber Panels and FPX Panels.

Assessment duration: 15 minutes

Optical Distribution Frame Solutions

WR9416
Online course

This ODF program focuses on the components and the installation process for Optical Distribution Frame and Fiber Entrance Splice solutions NG4access, LSX and Fiber Entrance Cabinet FEC.

Assessment duration: 15 minutes

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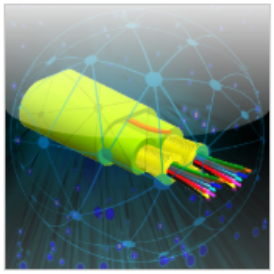
FiberGuide System Overview and Key Installation Considerations

WR9417
Online course

16 minutes of video that discusses the various components and intallation of CommScope's FiberGuide fiber optic raceway.

- Estimated study time: 21 minutes
- Overall content duration: 17 minutes



Wide Band Multimode Fiber

WR9440
Online course

This webinar provides a technical briefing on Wide Band Multimode fiber (WBMMF) and the transition towards Shortwave Wave Division Multiplexing (SWDM).

- Estimated study time: 40 minutes

Best Practice for Patch Cord Management

WR9301
Online course

A 15 minute video giving a basic understanding of recommendations for management of patch cords in frames and cabinets.

- Estimated study time: 18 minutes

Design and Installation of CommScope's Powered Fiber Cable System

WR9418
Online course

A 60min recorded webinar on how to design and install CommScope's Powered Fiber Cable System (PFCS)

- Estimated study time: 1 hour 20 minutes
- Overall content duration: 1 hour

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FTTx Optical Systems

WR9421
Online course

This course helps the student understand the optical systems used for FTTx networks, including PON and HFC transmission and the infrastructure components involved.

- Estimated study time: 41 minutes
- Overall content duration: 41 minutes

FTTx Cable and Connector Fundamentals

WR9422
Online course

This course focuses on Optical Cables and Connectors used in FTTx, and takes a detailed look at infrastructure fundamentals for these singlemode FTTx systems.

- Estimated study time: 1 hour
- Overall content duration: 1 hour

FTTx Architectures

WR9423
Online course

This course focuses on System Architectures used in FTTx including Centralized, Cascaded and Tap split solutions, and takes a detailed look at infrastructure fundamentals for these FTTx systems.

- Estimated study time: 38 minutes
- Overall content duration: 38 minutes

FTTx Loss Budgets

WR9424
Online course

This course focuses on Optical System loss budgets available for FTTx, and takes a look at the impact of infrastructure components on the FTTx budgets.

- Estimated study time: 13 minutes
- Overall content duration: 13 minutes

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FTTx Connectivity for the CO/HE/DC

WR9425
Online course

This course focuses on Optical Infrastructure Connectivity used in FTTx solutions for the Central Office (CO) or Head End (HE) or Data Center (DC), and takes a detailed look at infrastructure management fundamentals for these FTTx systems.

- Estimated study time: 1 hour
- Overall content duration: 1 hour

FTTx Connectivity for the ODN

WR9426
Online course

This course focuses on Optical Connectivity Systems used in FTTx solutions, and takes a detailed look at infrastructure solutions used in the Optical Distribution Network (ODN).

- Estimated study time: 26 minutes
- Overall content duration: 26 minutes

Looking after LTE Infrastructure, Looking forward to 5G

WR9610
Online course

Provides the student with recommended best practice for optimizing LTE infrastructure including technologies such as C-RAN, MIMO and PIM. It also provides an overview of capacity optimization and densification strategies for modern cell networks and

- Estimated study time: 2 hours
- Overall content duration: 1 hour 46 minutes

IBW Sales and Positioning

WR9640
Online course

This training course provides the student with an understanding of how to sell and position In-Building Wireless solutions. Part one includes a basic overview of wireless technology. Part two covers an overview of In-Building wireless. Part three exp

- Estimated study time: 30 minutes
- Overall content duration: 26 minutes

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IBW Sales Engagement

WR9641
Online course

This training course provides the student with an understanding of the steps required to implement a Distributed Antenna System (DAS). It also provides an understanding how CommScope will support the IBW Sales efforts and what will be the engagement

- Estimated study time: 45 minutes
- Overall content duration: 43 minutes

IBW Hardware Installation

WR9642
Online course

This four-part training course provides the student with an understanding on physical transport layer for DAS. It also provides an overview on the ION-E hardware and the installation of an ION-E system. Last it provides guidance on how to terminate c

- Estimated study time: 1 hour
- Overall content duration: 1 hour

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