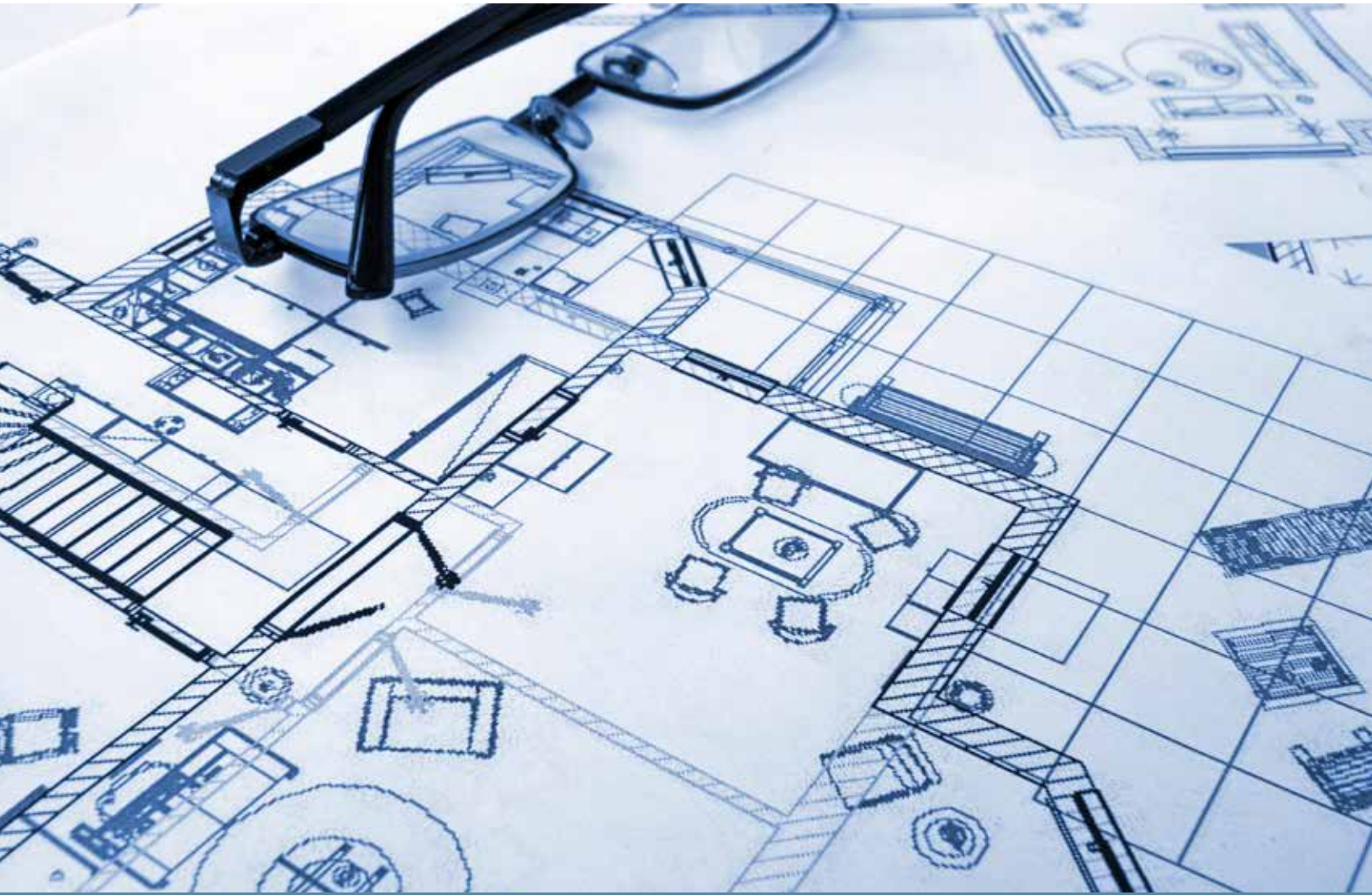# CORESYNC ACADEMY ❯

System Integrator Courses

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System Integration for
Smart Buildings ❯

CoreSync is a powerful smart building infrastructure that provides a backbone for integrating disparate building functions with standard building management systems. These training courses will enable designers, technicians and programmers to get up to speed quickly on the CoreSync platform so they have all the tools they need to take on a CoreSync smart building project. Gain all three certifications to become a Molex approved Master Integrator.
Now with accreditation from the CPD Standards Office.

CoreSync Certified Integrator Courses:

Certification type	Course Code	Overview
CoreSync Designer	BP500	Learn to create Certified Shop Drawings that can be used as CoreSync submittals and installed in the field by a Certified Technician.
CoreSync Technician	BP510	Learn to install CoreSync products from Certified Shop Drawings through to commissioning a fully functioning system.
CoreSync Programmer: Online + Hands-On	BP520	Learn to fully configure a CoreSync system and connect third party systems using API/BACnet.
CoreSync Master Integrator		Complete all 3 courses for in-depth, 360° knowledge of PoE and the CoreSync smart building platform.

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System Integrator Training Courses
Certified Designer: BP500 ❯

Who is it for?

Those with Project Engineer, Designer, CAD Engineer roles in engineering, design or consulting firms. Attendees should be PE, RCDD or EIT qualified.

This course enables AutoCAD design professionals to handle complete PoE project design and construction documentation of CoreSync projects.

What the course covers:

Becoming a Certified Designer allows you to create Certified Shop Drawings that can be used as CoreSync submittals and installed in the field by a Certified Technician. Unlock full support and maximum warranty coverage from Molex when you complete the course.

After achieving certification, you will gain access to the complete training course via a training manual and access to our Molex Diagnostic Tool software for commissioning.

Modules include:

An introduction to the Internet of Things and the ways CoreSync helps create smart building systems - Terminology and benefits of Power over Ethernet (PoE) - A detailed look at CoreSync devices - The process of designing a CoreSync system from start to finish - Project related drawings and how they relate to the successful design and commissioning of a CoreSync system - AutoCAD MEP library installation and best practices

Duration:

6.5 hours online training with 4 online quizzes. Online courses are available 24/7.

CPD Accreditation:

Points: 6

BICSI Accreditation:

CECs: 7

Download the full course prospectus or sign up now at
molexces.com/customer-support-portal

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System Integrator Training Courses
Certified Technician: BP510 ❯

Who is it for?

Systems Engineers, Low Voltage Contractors, Telecom Contractors and Licensed Electricians. Attendees will need to be experienced in network systems, lighting controls, and structured cabling. A license to work in electrical, telecoms or low voltage is advised.

The course trains technicians in installation of CoreSync products from Certified Shop Drawings through commissioning into a fully functioning system. Becoming a Certified Technician allows you to install and commission a CoreSync system for a smart building and enables you to unlock full support and maximum warranty coverage from Molex.

What the course covers:

Participants will learn the backbone of CoreSync, PoE, device installation, hardware troubleshooting, commissioning and more. After achieving certification, you will gain access to the complete training course contents via a training manual and access to our Molex Diagnostic Tool software for commissioning.

Modules include:

An introduction to the Internet of Things and the ways CoreSync helps create smart building systems - Terminology and benefits of Power over Ethernet (PoE) - A detailed look at CoreSync devices - Fundamentals of networking concepts - Pre-commissioning, onsite commissioning and post commissioning actions in sequence - Software interface functionality - Bringing all hardware to life in a fully functioning system

Duration:

10 hours online training with 5 online quizzes. 1 in-person session.

Online courses are available 24/7. Check with your local sales / technical teams for more information on live sessions.

CPD Accreditation:

Points: 21

BICSI Accreditation:

CECs: 10

Download the full course prospectus or sign up now at
molexces.com/customer-support-portal

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System Integrator Training Courses
Certified Programmer: BP520 ❯

Online + Hands-On Training

Who is it for?

Systems Engineers, Network Engineers and Integrators working in firms that specialize in Network and System Integration. This is a technical course not intended for End Users of the CoreSync smart building solution.

Attendees will need to have completed Molex CoreSync Certified Technican training course BP510 before attending. This course can be taken on-demand online. They will also need to have previous API or BACNet experience, and knowledge of Lighting Controls.

What the course covers:

Starting with an overview of the CoreSync system, participants will work through its dashboard, core features and specific functions like lighting management and admin controls. They will gain knowledge of the technology behind CoreSync including Docker, Kubernetes and MongoDB. The training covers the necessary steps for commissioning the system including setting up Linux from scratch, running the scripts and applying the Kube's images to the cluster with Helm. Participants will learn how to integrate third-party infrastructure and how to validate, troubleshoot and backup an installation.

By the end of the course, participants will be equipped with all the skills necessary to effectively manage and troubleshoot the system.

Modules to include:

Kube Overview - Dashboard Structure - Admin Panel - Lighting Management - Deployment Guide - Day 2 Troubleshooting Scenarios - Testing and Validation - Power Savings Commissioning

Duration:

1 day online + 2 days hand-on

Location & Availability:

Check the website for details of the next scheduled on-site training course.

CPD / BICSI Accreditation:

TBC

Download the full course prospectus or sign up now at
molexces.com/customer-support-portal

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Get started with CoreSync Academy

All our online training courses are free to access and accessible 24/7 through our online Customer Support Portal.

If you do not already have access, register at molexces.com/customer-support-portal. Along with standard registration forms, you will also need to complete a mutual NDA.

Once access is granted you will gain access to a range of documentation and online support as well as access to all the course modules.

You can view online courses as many times as you wish. We will update you when courses are updated or new modules are added.

More information on CoreSync: molexces.com/coresync/

Registration & full course prospectus, including CoreSync Lighting and CoreSync Distributor courses: molexces.com/customer-support-portal

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