

# Keep up-to-date with new solutions and technologies

Fundamentals series digital trainings for engineering consultants

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Life Is On

**Schneider**  
Electric

# Discover a fully digital training experience

Upskill to impress  
your customers

1

Electrical design  
and mechanical control

2

Smart  
buildings

3

Segments 101

4



# Upskill to impress your customers

Staying on top of the latest technologies and increasing your competencies is key to bringing your projects to the next level.

That's why we've prepared a tailor-fit curriculum for engineering consultants who want to develop the most in-demand skills and impress clients with their expertise.

In this Fundamentals series, you will learn theory and practical skills to better understand electrical installation as well as mechanical and control design, and gain foundational knowledge to work in segments such as smart buildings, healthcare, or data centers.

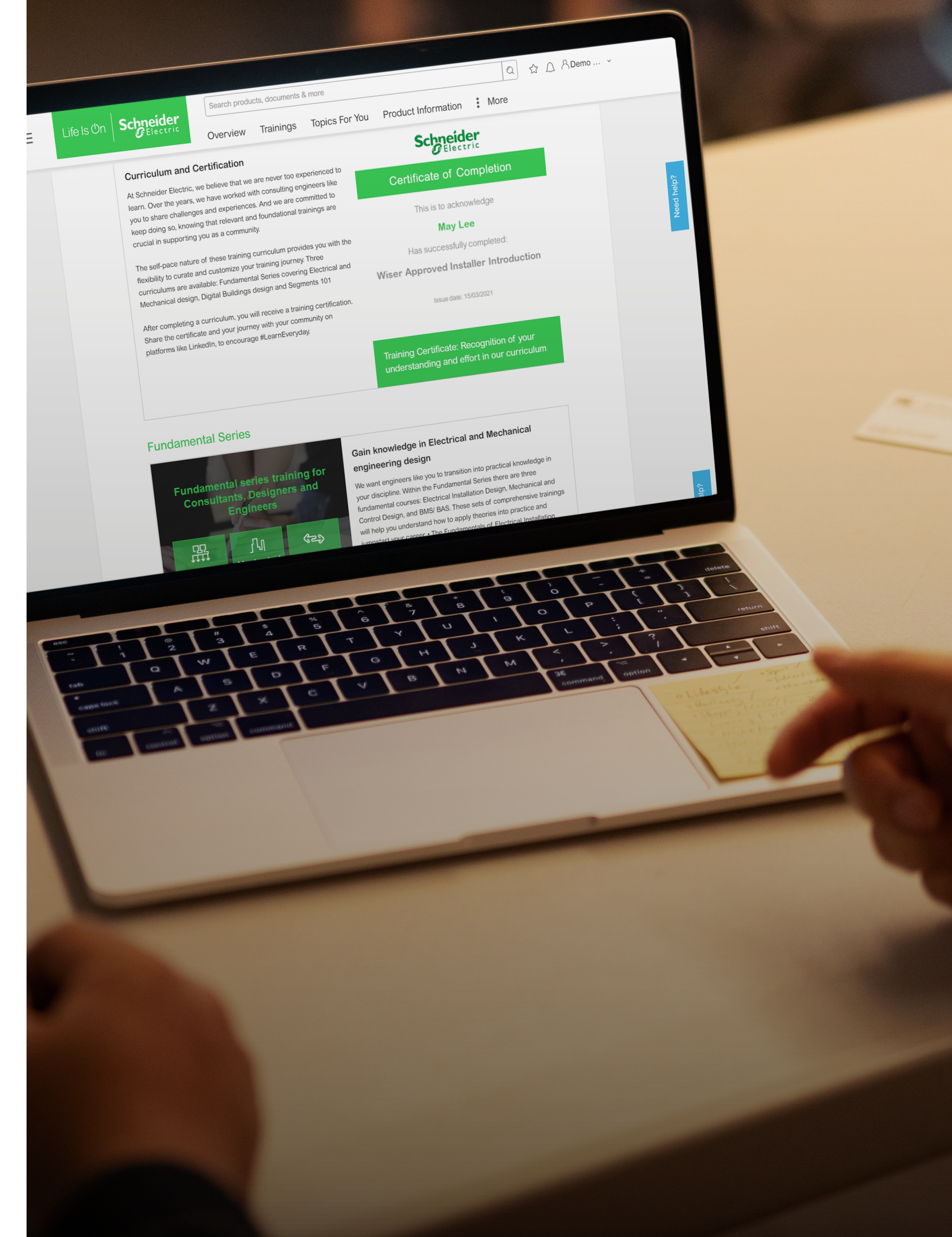
These trainings are suited for those who are starting their career as well as more

experienced professionals who want to gain a more comprehensive, practical understanding of their craft. The learning sessions are available on-demand as a series of recordings.

Select trainings in this program are eligible for personal development hours (PDH) after their completion. These PDHs can be used for licensure renewals or to confirm your continuing professional education.\*

The courses are available on the my**Schneider** platform and come with certifications to illustrate your newly learned skills. Enroll today!

\*Please check your local regulations for acceptance rules as they can vary.



# Fundamentals of electrical installation design

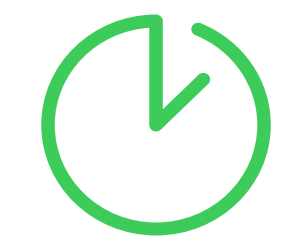
This training teaches the fundamental and practical skills needed to design power distribution systems from plant to plug.

## Type of course

eLearning course with online certification

## Take this course to learn about:

- Basic MV and LV architectures
- Earthing schemes and topologies
- Main electrical devices (circuit breakers, switchgear, cable distribution, switchboards)
- Selecting the right components to design a typical infrastructure



**Training time:**  
8-9 hours



[Click here to start this course](#)



# Fundamentals of mechanical and control design

This training will help you gain the foundational knowledge required in the building management system (BMS) market as an engineering consultant.

**Type of course**  
eLearning course with online certification

**Take this course to learn about:**

**Mechanical design**

- Room control principles (VAV, FC, AC, etc.) and field devices (valves and actuators)
- Heat meters – AHU principles

**Control design**

- Mollier diagram (Hx diagram) – Climate fundamentals
- Control principles (control loops)
- Communication protocols (BACnet, LON, Modbus, KNX)
- DDC (automation)



**Training time:**  
9 hours

**Total PDH after completion:**  
5.5 hours



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# Fundamentals of BMS/BAS

This training teaches fundamentals of building management (BMS) and building automation (BAS) systems. Gain foundational knowledge of control system architectures and data management.

## Type of course

eLearning course with online certification

## Take this course to learn about:

- EcoStruxure Building and its offer portfolio
- SpaceLogic C-Bus home and building automation system
- KNX home and building automation system



## Training time:

21 hours

## Total PDH after completion:

11 hours



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# Fundamentals of EcoStruxure Power

This training provides you an overview of EcoStruxure™, our IoT platform and architecture. It presents the EcoStruxure Power domain of expertise, applied in smart buildings.

## Type of course

eLearning course with online certification

## Take this course to learn about:

- EcoStruxure and Internet of Things (IoT) for innovation and energy management
- EcoStruxure Power in VR
- EcoStruxure Building Advisor
- EcoStruxure IT enabling 24/7 data center resiliency
- Smart systems, connected products, and applications



**Training time:**  
9.5 hours



[Click here to start this course](#)



# Fundamentals of healthcare

This training will show you how to meet energy reduction targets and help improve patient care.

**Type of course**  
eLearning course with online certification

**Take this course to learn about:**

- Leveraging connectivity
- Providing sustainable solutions
- Improving efficiency
- Helping increase safety and security

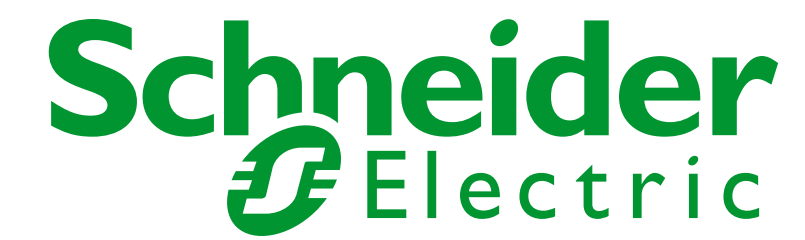


**Training time:**  
5 hours



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For more trainings and other resources visit our website for engineering consultants at:

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**Schneider Electric**

35 rue Joseph Monier  
92500 Rueil-Malmaison, France  
Tel : +33 (0)1 41 29 70 00

