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# STANDARD ELECTRIC UNIVERSITY



Training Guide



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# Standard Electric University

2026

## Class is Now in Session!

Standard Electric Supply Co. continues to offer technical information and training tailored to our customers’ needs. Since 2018, Standard Electric University continues to guide customers with building and shaping their knowledge about the latest technologies and innovations. Our hands-on classroom style trainings are held in our local offices. To register for a class, please scan the designated QR code.

Whether you’re a seasoned professional in the electrical industry or just starting your journey, you’ll leave our courses equipped with valuable knowledge, practical skills, and applicable strategies of how to excel in your field.

***The best part... these classes are free of charge!***

## 2026 Classes

- AI on the Factory Floor: Using PLC Copilots to Design, Test, and Document Faster (Schneider) .....3
- Designing Safer Machines: A Practical Guide to Risk Assessment and Compliance (ABB/Jokab) .....3
- HMI Standards & Best Practices (HMS Networks) .....4
- Industrial Cybersecurity Demystified: Protecting Your Plant from Device to Network (Siemens) .....5
- OT Cybersecurity from PLC to Field Devices: Risks, Regulations, and Reality (Schneider).....5
- Power Up Your Panels: Mastering SCCR for Safer, Code-Compliant Designs (Mersen).....6
- Reducing Downtime Starts with the Cable: VFD Wiring Best Practices That Work (LUTZE) .....6
- Taming Harmonics: How VFDs Impact Power Quality—and What to Do About It (Schneider).....7

If you have any questions about our classes or have a class suggestion for your specific needs, contact **Jennifer O’Connell** at **414-231-2575** or [joconnell@standardelectricsupply.com](mailto:joconnell@standardelectricsupply.com).

For more information, visit <https://info.standardelectricsupply.com/sesco-university-2026>.

## AI on the Factory Floor: Using PLC Copilots to Design, Test, and Document Faster (Schneider)

Explore how AI is transforming industrial automation through live demonstrations of PLC Copilot tools that help write, test, and document PLC logic.

**Who it's for:** PLC programmers, OEM engineers, system integrators, and automation professionals.

**What you'll walk away knowing:** Understand where AI fits in PLC development today, how it accelerates workflows, and what it means for the future of automation.

Date	Time	Location
10/13/26	8:00 AM	Roselle, IL
10/13/26	12:00 PM	Milwaukee, WI
10/14/26	8:00 AM	Verona, WI
10/14/26	12:00 PM	Sheboygan, WI
10/15/26	8:00 AM	Appleton, WI

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## Designing Safer Machines: A Practical Guide to Risk Assessment and Compliance (ABB/Jokab)

This in-depth session teaches how to create a machine safety solution through risk assessment and develop/implement a solution that not only fulfills safety requirements but also maximizes uptime and productivity.

**Who it's for:** OEM and machine builder engineers, integrators, end users, and safety specialists.

**What you'll walk away knowing:** Learn standards to follow, how to perform risk assessments and designing compliant, production-friendly safety solutions.

Date	Time	Location
05/05/26	8:00 AM	Milwaukee, WI
05/05/26	12:30 PM	Appleton, WI
07/07/26	12:00 PM	Indianapolis, IN
10/13/26	12:00 PM	Warsaw, IN

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## HMI Standards & Best Practices (HMS Networks)

In this class, we will be using configuration software to go over HMI design. We will cover topics such as color standards, basic animations, alarm handling, and page navigation.

**Who it's for:** HMI operators, HMI designers, integrators, and people new to HMI design.

**What you'll walk away knowing:** Industry standards for HMIs, how to use configuration software, and how to optimize HMI controls and visuals.

Date	Time	Location
10/19/26	2:00 PM	Milwaukee, WI
10/20/26	2:00 PM	Appleton, WI
10/21/26	2:00 PM	Stevens Point, WI
10/22/26	12:00 PM	Eau Claire, WI
11/10/26	2:00 PM	Indianapolis, IN

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## Industrial Cybersecurity Demystified: Protecting Your Plant from Device to Network (Siemens)

Industrial cyber threats are growing—and OT environments are prime targets. This session breaks down industrial cybersecurity from the device level through the network, introducing IEC 62443 and proven frameworks to help you assess risk, reduce vulnerabilities, and build a more resilient operation.

**Who it's for:** OEM engineers, controls and automation engineers, plant IT/OT professionals, and anyone responsible for securing industrial systems.

**What you'll walk away knowing:** Understand how OT cybersecurity differs from IT, learn the key layers of industrial security, understand IEC 62443, and identify common threats and mitigation strategies.

Date	Time	Location
09/15/26	12:00 PM	Stevens Point, WI
09/16/26	8:00 AM	Appleton, WI
09/16/26	12:00 PM	Milwaukee, WI

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Offered Through



## OT Cybersecurity from PLC to Field Devices: Risks, Regulations, and Reality (Schneider)

This session clarifies OT cybersecurity regulations, attack vectors, and vulnerabilities, while showing how modern technologies address internal and external threats.

**Who it's for:** OEMs, end users, automation engineers, and IT/OT stakeholders.

**What you'll walk away knowing:** Differentiate IT vs OT risks, identify vulnerabilities, and understand standards and mitigation technologies.

Date	Time	Location
04/14/26	8:00 AM	Indianapolis, IN
04/14/26	3:00 PM	Warsaw, IN
04/15/26	12:00 PM	Milwaukee, WI
04/16/26	8:00 AM	Appleton, WI
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## Power Up Your Panels: Mastering SCCR for Safer, Code-Compliant Designs (Mersen)

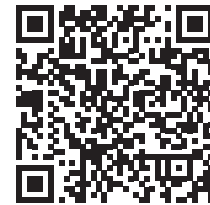
Learn how to increase your control panel's Short Circuit Current Rating (SCCR) without costly redesigns. This session covers smart design strategies, fuse selection, and compliance with NEC 409 and UL 508A.

**Who it's for:** OEM and machine builder engineers, control panel designers, builders, and electrical contractors.

**What you'll walk away knowing:** Learn how SCCR is determined, how to improve it efficiently, meet NEC and UL standards, and avoid common compliance pitfalls.

Date	Time	Location
03/16/26	3:00 PM	Milwaukee, WI
03/17/26	12:00 PM	Stevens Point, WI
03/18/26	12:00 PM	Appleton, WI
03/31/26	12:00 PM	Verona, WI
04/01/26	2:00 PM	Rockford, IL
04/02/26	12:00 PM	Roselle, IL

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## Reducing Downtime Starts with the Cable: VFD Wiring Best Practices That Work (LUTZE)

VFD downtime often starts with improper cabling. Learn best practices for VFD cable selection, installation, grounding, and noise mitigation to improve reliability and commissioning.

**Who it's for:** OEM engineers, panel builders, integrators, maintenance teams, and industrial end users.

**What you'll walk away knowing:** Understand how cabling impacts motor reliability, reduce troubleshooting time, and apply standards for long-term performance.

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## Taming Harmonics: How VFDs Impact Power Quality—and What to Do About It (Schneider)

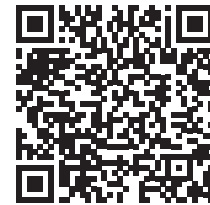
Learn how VFDs contribute to harmonic distortion and how active mitigation technologies protect power quality, reduce downtime, and improve efficiency.

**Who it's for:** Electrical engineers, facility managers, and maintenance teams.

**What you'll walk away knowing:** Understand harmonic sources, operational risks, and when to apply active filters and AFE drives.

Date	Time	Location
04/28/26	8:00 AM	Milwaukee, WI
04/28/26	12:00 PM	Sheboygan, WI

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*All classes are presented by our Technical Solutions Team (TST) and our valued suppliers.*

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