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Your certification.

Industrial Networks Certification

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Industrial Networks Education – looking to the future



The future of networking lies in digitalization. And that's exactly why powerful industrial networks are essential – as are the knowledge and skills for planning and implementing these networks and connecting them to business systems.

The need for skilled experts has never been greater as industrial networks continue to evolve. With Siemens Industrial Networks Education, we offer targeted training courses that certify your place in the future of networking.

Siemens Certified Professional for Industrial Networks (CPIN)

Siemens CPIN program provides you with fundamental skills in the planning, implementation and securing of industrial networks.

The standard program consists of the following fields of study, where attendees will acquire customer specific knowledge in a hands-on environment: *Switching and Routing, Wireless and Security.*

A certification exam is offered at the end of the course (or may be taken at a later date).

Attendees may also earn continuing education credits.

Who would benefit from attending?

- Plant Engineers
- Application Engineers
- Control Engineers
- Operations or IT Network Engineers
- System Engineers
- Facility Managers
- Commission Engineers
- Project Engineers

What skills will be acquired?

- Designing industrial wired and wireless architectures
- Connecting an industrial network to business systems
- Troubleshooting and diagnostics
- Achieving a highly reliable network using redundancy
- Designing a fault tolerant, secure system

After successful completion of each course, attendees will have a strong foundation as subject-matter experts in industrial networking. Competitive companies seek professionals with the capability, know-how and hands-on experience to help them improve productivity, flexibility and reliability. Siemens Industrial Networks Education courses give you the tools and practical experience to solidify your place in this ever-changing industrial market.

Expertise in industrial networks



Get the full schedule and more detailed descriptions at usa.siemens.com/yourcertification

Siemens CPIN Program

Course Description

Manufacturing is more competitive than ever, and the requirements of the plant floor have evolved beyond the capabilities of traditional automation networks, opening the door for Ethernet networks. The future relies on accessing real-time data across your network using systems that offer flexibility, mobility and design freedom. The only way to stay competitive is to understand how the latest networking technologies can increase efficiency and lower costs.

Learn how to implement powerful, integrated data networks in the industrial automation environment that are "future-proof."



Course Name	Description	Duration	Course Pricing	Certification Exam
Fundamentals of Industrial Networking	This course will familiarize you with the principles of building industrial networks, architectures, and terminology. The structure of standard Ethernet networks will also be explained using typical industry examples. This is a great place to test your current knowledge of the basics before you begin the certification courses.	2 days	\$1,295	No certification
Switching and Routing in Industrial Networks (SCALANCE)	<p>The training course on Switching and Routing teaches students about the unique requirements of working with industrial networks, and how to manage and support the convergence of automation and IT networks.</p> <p>Students from manufacturing and other industrial backgrounds will learn how to design an industrial network that meets IT standards. The training includes hands-on exercises based on the Siemens SCALANCE portfolio. Attendees will learn how to set up switched network solutions and connect them to real time-capable systems.</p> <p>The course also teaches the fundamentals of routing communications along with troubleshooting and diagnosis.</p>	5 days	\$2,795	
Security in Industrial Networks (SCALANCE)	<p>This course is for users that are involved in developing cybersecurity solutions in the industrial manufacturing environment. Attendees will hear about how to apply Siemens defense in depth strategy and how it applies to the plant floor.</p> <p>You will also learn the potential dangers and risks in industrial networks and how to assess them. The course goes beyond theoretical security concepts and provides the opportunity to implement these concepts through practical hands-on exercises. At the end of this course, participants will understand the requirements and fundamentals needed to plan, implement, and provide support for industrial security measures.</p>	3 days	\$1,795	
Wireless LAN in Industrial Networks	Attendees of the Wireless LAN in Industrial Networks will learn how to plan, configure and operate wireless solutions (based on IEEE 802.11 - WiFi) in industrial applications, in interaction with real-time systems. Using SCALANCE W, the course teaches performance and security in IWLAN through practice in industrial environments.	3 days	\$1,795	
WiMAX in Industrial Networks	In this course attendees will learn about security and encryption, reliability, licensed and unlicensed frequencies, and much more using the RUGGEDCOM WIN portfolio (based on IEEE 802.16e). Using the first field proven broadband wireless product portfolio designed for private networks, attendees will learn how to deliver the benefits of carrier-grade 4G technology to critical infrastructure applications in harsh environments.	3 days	\$1,795	



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