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 on a wide range of environments: Switching and Routing, Wireless and Security.

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

Attendees may also earn continuing education credits.

What 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

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.

Who would benefit from attending?
- Application Engineers
- Automation Engineers
- Communication Engineers
- Control Engineers
- Operators of Network Engineers
- Projects Engineers
- Substation Engineers
- System Engineers

Siemens Certified Professional for Industrial Networks (CPIN)

Get the full schedule and more detailed descriptions at usa.siemens.com/yourcertification
### 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 | $995 | No certification

**Switching and Routing in Industrial Networks**
The training course on Switching and Routing teaches students how to design and manage Ethernet networks in mission critical environments such as those found in power, rail transportation, and ITS applications. These trainings are based on the Siemens RUGGEDCOM portfolio, which is designed to thrive in the harshest environments where the network must be the last thing to fail.
5 days | $2,495

**Security in Industrial Networks**
This course is for users who are involved with developing or sustaining networks in rugged environments - such as: electric power, rail transportation, and ITS applications. Students will understand threats to the Industrial Ethernet Networks and how to harden using RUGGEDCOM ROX Security.
During the course you will become familiar with the knowledge necessary to apply concrete standards to common security standards. 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.
3 days | $1,495

**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 | $1,495

**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 | $1,495