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Ingenuity for life

Your network. Your expertise.
Your certification.

RUGGEDCOM Networks Certification

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Stand out from the crowd with RUGGEDCOM certification

Mission critical applications require a network that must be on at all times without fail. And that's exactly why powerful networks are essential in these rugged environments – 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 mission critical networks continue to evolve. Siemens RUGGEDCOM Networks Certification offers 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 each course (or may be taken at a later date).

Attendees may also earn continuing education credits.

Who would benefit from attending?
- Application Engineers
- Automation Engineers
- Communication Engineers
- Control Engineers
- Operations or IT Network Engineers
- Project Engineers
- Substation Engineers
- System 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 gives you the tools and practical experience to solidify your place in this ever-changing industrial market.

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

Siemens CPIN Program
Course Description

Understanding the requirements for fast, reliable, and secure standardized communication in harsh environments requires going beyond normal limits. Regardless of the communication medium, protocol, or distance, learn how to implement a flexible, comprehensive network infrastructure solution – in all climates and environments.

Communications networks in harsh, mission critical industry applications, such as electrical power, oil and gas, rail transportation, Intelligent Traffic Solutions (ITS), water/wastewater and defense require special knowledge.

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 (RUGGEDCOM)	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 electric 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. Topics to be addressed include: switching operations, network segmentation, increasing bandwidth and integrating serial protocols	5 days	$2,795	Certified – SIEMENS Industrial Networks
Security in Industrial Networks (RUGGEDCOM)	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 concepts mandated by 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	$1,795	Certified – SIEMENS Industrial Networks
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	Certified – SIEMENS Industrial Networks
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	Certified – SIEMENS Industrial Networks

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