ROCKWELL SKILLS DEVELOPMENT COURSES
October 2018 – March 2019

Rockwell Automation instructor-led training brought to your local market!
Werner Electric Supply offers a variety of Rockwell Automation instructor-led courses. The classes are delivered by certified Rockwell Automation instructors and include hands-on lab experience.

Visit wernerelectric.com/events for more details, session dates, and to register online.
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FactoryTalk View SE Programming CCV207

COURSE DETAILS (4.5 Day Course – 3.2 CEUs)

Monday, October 22 – Friday, October 26, 2018
12:00 p.m. - 4:30 p.m. – 8:00 a.m. - 4:30 p.m.

Werner Electric Supply • Madison
4428 Pflaum Road
Madison, WI 53716

COST - $2,650/person

WHO SHOULD ATTEND

Individuals who need to develop FactoryTalk® View SE local (stand-alone) or network distributed applications.

PREREQUISITES

Experience operating a personal computer within a Microsoft Windows 7 environment is recommended.

COURSE PURPOSE

• Gain the ability to organize and develop FactoryTalk® View Site Edition (SE) applications.
• Provide opportunities to work with local FactoryTalk® View SE applications.
• Practice the skills used to create an application and build graphic displays.
• Configure alarms and security, trend data, and test your application using FactoryTalk View SE Client.
• Work with RSLinx® Enterprise communications software and the FactoryTalk Diagnostics system.

Register today at wernerelectric.com/events • Registration deadline – October 5, 2018
Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming CCN144-A

COURSE DETAILS (4 Day Course – 2.8 CEUs)

Tuesday, October 23 – Friday, October 26, 2018
8:00 a.m. - 4:30 p.m.

Werner Electric Supply • Green Bay
3055 Holmgren Way
Green Bay, WI 54304

COST - $2,275/person

WHO SHOULD ATTEND

Individuals who need to configure and program Logix5000™ motion control systems.

PREREQUISITES

Completion of the Motion Control Fundamentals course (CCN130) or equivalent knowledge/experience of motion drives, feedback devices, and velocity and position loop systems.

Completion of Studio 5000 Logix Designer Level 3: Project Development (CCP143) or equivalent experience

COURSE PURPOSE

- Configure, test, tune, and program CIP Motion™ axes using Studio 5000 Logix Designer® applications.
- Build upon skills gained in Studio 5000 Logix Designer Level 3: Project Development (CCP143).
- Apply Logix5000™ architecture to a multi-axis CIP™ motion control system.
- Develop programming skills necessary for translating a machine specification document into reliable ladder logic code.
- Apply motion control configuring & programming skills from this course to any Logix5000™ controllers capable of motion control.

Register today at wernerelectric.com/events • Registration deadline – October 5, 2018
FactoryTalk AssetCentre System Design & Implementation FTAC

COURSE DETAILS (3 Day Course – 2.1 CEUs)

Tuesday, November 6 – Thursday, November 8, 2018
8:00 a.m. - 4:30 p.m.

Werner Electric Supply • Appleton
4800 W. Prospect Ave.
Appleton, WI 54914

COST - $2,025/person

WHO SHOULD ATTEND

Individuals who need to securely and centrally manage automation production environments using FactoryTalk AssetCentre software.

PREREQUISITES

• Ability to perform basic Microsoft Windows tasks.
• Knowledge of your production environment.
• General understanding of industrial networks.

COURSE PURPOSE

• Design a FactoryTalk AssetCentre system.
• Install and configure the software.
• Secure access to the control system, track users’ actions, and manage asset configuration files.
• Provide backup/recovery of operating asset configurations.
• Troubleshoot your system using FactoryTalk AssetCentre software.

Register today at wernerelectric.com/events • Registration deadline – October 12, 2018
Managing Industrial Networks with Cisco Networking Technologies IMINS

COURSE DETAILS (5 Day Course)
Monday, Dec. 10 – Friday, Dec. 14, 2018
8:00 a.m. - 4:30 p.m.
Werner Electric Supply • Appleton
4800 W. Prospect Ave.
Appleton, WI 54914

COST - $3,800/person

WHO SHOULD ATTEND
IT and operations technology (OT) professionals and control engineers involved with the configuration, operation, and support of networked industrial products and solutions for manufacturing, process control, oil and gas, and other industries as applicable.

PREREQUISITES
• College degree, or non-degreed qualified technician with 2-3 years’ experience in industrial networks.
• Familiarity with command line and web-based interfaces.
• A solid understanding of networking and industrial protocols.

Cisco Electronic Learning & Training (ELT), located on the Cisco Learning Network website:
• Networking Fundamentals for Industrial Control Systems (INICS)
• Industrial Control Systems Fundamentals for Network Engineers (ICINS)

PREREQUISITES (CONTINUED)
Rockwell Automation, located on its Training Services website:
• Essentials of Industrial Networks for an OT Professional (CCP182)
• Essentials of Industrial Automation for an IT Professional (CCP810)

COURSE PURPOSE
• Describe Cisco Industrial Ethernet (IE) switches, Cisco Connected Grid™ Switches and Routers, and Rockwell Automation® Stratix™ switches.
• Interpret designs and drawings, recognize industrial topologies, & access reference materials.
• Configure industrial network components.
• Perform basic maintenance tasks.
• Troubleshoot common network and control issues.

IMINS DIGITAL STUDENT MATERIALS
Students must bring their own devices (laptop/tablet) in order to view the digitalized IMINS course materials. Student names/email addresses must be provided to RA at least 7 calendar days before the start of class. An e-mail will then be sent to all paid/confirmed students with instructions on how to access the digital materials which will be available for viewing for 365 days.

Register at wernerelectric.com/events
Registration deadline – November 16, 2018
GuardLogix/Studio 5000 Fundamentals, Troubleshooting & Application Development GLX

COURSE DETAILS (3 Day Course – 2.1 CEUs)

Tuesday, January 22 – Thursday, January 24, 2019
8:00 a.m. - 4:30 p.m.

Werner Electric Supply • Wausau
7900 Highland Dr.
Wausau, WI 54401

COST - $2,025/person

WHO SHOULD ATTEND

Individuals who need to develop, monitor, and troubleshoot Logix Designer projects and hardware for GuardLogix® controllers.

PREREQUISITES

• Understanding of international machine safety standards & industrial controls.
• Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals (CCP146).
• Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting (CCP153) or equivalent experience with Logix Designer application.
• Studio 5000 Logix Designer Level 3: Project Development (CCP143).
• GuardLogix Fundamentals & Troubleshooting (SAF-LOG103).

COURSE PURPOSE

• Learn basic GuardLogix concepts & terminology.
• Create, configure, and troubleshoot a GuardLogix project.
• Add and configure CompactBlock™ Guard I/O™ safety modules by configuring safety I/O data and status information.
• Generate Safety Signatures and locking/unlocking a GuardLogix controller.

Register today at wernerelectric.com/events • Registration deadline – December 28, 2018
ControlNet, RSNetWorx Configuration & Troubleshooting CCP173

**COURSE DETAILS** (3 Day Course)

Tuesday, February 5 – Thursday, February 7, 2019
8:00 a.m. - 4:30 p.m.

Werner Electric Supply • Green Bay
3055 Holmgren Way
Green Bay, WI 54304

**COST** - $2,025/person

**WHO SHOULD ATTEND**

Individuals who desire the skills necessary to efficiently design and configure a ControlNet network.

**PREREQUISITES**

- Ability to perform basic Microsoft Windows tasks.
- Experience with Windows-based programming software (Studio 5000® software) is desirable, but not essential.

**COURSE PURPOSE**

- Efficiently design, configure, and implement a logical process for troubleshooting ControlNet and RSNetWorx™ components.
- Safely and efficiently return a malfunctioning network to normal operation through implementing a logical process for troubleshooting ControlNet and RSNetWorx™ components and identifying problems with communications cards, cabling, and other network hardware.
- Apply best practices and network troubleshooting tools.

Register today at wernerelectric.com/events • Registration deadline – January 11, 2019
PlantPAX System Design & Configuration PRS019

COURSE DETAILS (4.5 Day Course – 3.2 CEUs)
Monday, March 4 – Friday, March 8, 2019
12:00 p.m. - 4:30 – 8:00 a.m. - 4:30 p.m.
Werner Electric Supply • Appleton
4800 W. Prospect Ave.
Appleton, WI 54914

COST - $2,650/person

WHO SHOULD ATTEND
System Integrators who have a background in automated process control and Rockwell Automation products.

PREREQUISITES
PlantPAX System Configuration Fundamentals (PRS013) or experience with process applications, ControlLogix® systems and programming, and FactoryTalk® View SE applications.

COURSE PURPOSE
• Introduction to core components of a PlantPAX distributed control system.
• Design and configure a PlantPAX system.
• Architect a PlantPAX process automation system.
• Create process control applications with the PlantPAX library of add-on instructions, faceplates, and process strategies.
• Create interactive displays for operator workstations, including alarms.
• Secure a PlantPAX system.

Register today at wernerelectric.com/events • Registration deadline – February 8, 2019
Managing Industrial Networks for Manufacturing with Cisco Technologies IMINS2

COURSE DETAILS (5 Day Course)
Monday, March 18 – Friday, March 22, 2019
8:00 a.m. - 4:30 p.m.
Werner Electric Supply • Appleton
4800 W. Prospect Ave.
Appleton, WI 54914

COST - $3,800/person

WHO SHOULD ATTEND
IT and operations technology (OT) professionals and control engineers involved with the installation, configuration, and troubleshooting of networked industrial products and solutions for manufacturing, process control, oil and gas, and other industries as applicable.

PREREQUISITES
• College degree, or non-degreed qualified technician with 2-3 years’ experience in industrial networks.
• Familiarity w/command-line & web-based interfaces.
• Understanding of networking & industrial protocols.

Cisco Electronic Learning & Training (ELT), located on the Cisco Learning Network website:
• Networking Fundamentals for Industrial Control Systems (INICS)
• Industrial Control Systems Fundamentals for Network Engineers (ICINS)

PREREQUISITES (CONTINUED)
Rockwell Automation, located on its Training Services website:
• Essentials of Industrial Networks for an OT Professional (CCP182)
• Essentials of Industrial Automation for an IT Professional (CCP810)

Highly recommended: Managing Industrial Networks with Cisco Networking Technologies (IMINS) or Interconnecting Cisco Networking Devices Part I (ICNDI)

COURSE PURPOSE
• Understand functions/troubleshoot issues of the OSI model/layers and the TCP/IP model.
• Configure CIP on Cisco and Stratix managed switches.
• Troubleshoot Ethernet/IP issues.
• Describe, configure, and troubleshoot PROFINET protocols.
• Identify common network threats and resolutions.

IMINS2 DIGITAL STUDENT MATERIALS
Students must bring their own devices (laptop/tablet) in order to view the digitalized IMINS2 course materials. Student names/email addresses must be provided to RA at least 7 calendar days before the start of class. An e-mail will then be sent to all paid/confirmed students with instructions on how to access the digital materials which will be available for viewing for 365 days.

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