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Training Brochure

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Rockwell Automation - Quick Class Summary

Location	Class Code	Rockwell Automation Enrollment Courses	Start Date
Lisle, IL	CCP143	Studio 5000™ Logix Designer Level 3: Project Development	01/07/2020
Hartland, WI	CCA182	PowerFlex 750 Series Configuration and Startup	01/14/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	01/14/2020
Hartland, WI	CCA183	PowerFlex 750-Series Maintenance and Troubleshooting	01/16/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	01/16/2020
Lisle, IL	CCP250	Accelerated Logix5000 Programmer Certificate Level 1	01/20/2020
West Allis, WI	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	01/28/2020
Lisle, IL	CCP153	Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting	01/28/2020
Mokena, IL	CCV209-A	FactoryTalk View ME & PanelView Plus Maintenance and Troubleshooting	01/28/2020
West Allis, WI	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	01/30/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	02/03/2020
Mokena, IL	CCP300	Accelerated Logix5000 Maintainer Certificate Level 1	02/10/2020
Hartland, WI	CCN144-A	Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming	02/11/2020
Lisle, IL	CCP300	Accelerated Logix5000 Maintainer Certificate Level 1	02/17/2020
Hartland, WI	SAF-LOG104	GuardLogix Application Development and Troubleshooting	02/18/2020
Mokena, IL	CCV207	FactoryTalk View SE Programming	02/24/2020
Lisle, IL	CCP143	Studio 5000™ Logix Designer Level 3: Project Development	02/25/2020
Lisle, IL	CCCL21	Studio 5000™ Logix Designer Level 3: Basic Ladder Logic Interpretation	03/03/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	03/05/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	03/09/2020
Mokena, IL	CCP182	Essentials of Industrial Ethernet Networks for an OT Professional	03/10/2020
West Allis, WI	CCP182	Essentials of Industrial Ethernet Networks for an OT Professional	03/10/2020
Lisle, IL	CCP153	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	03/17/2020
Mokena, IL	CCP183	EtherNet/IP Configuration and Troubleshooting	03/17/2020
Mokena, IL	CCP298	Studio 5000 Logix Designer Level 1: CompactLogix Fundamentals & Troubleshooting	03/23/2020
Lisle, IL	CCP251	Advanced Logix 5000 Programmer Certificate	03/24/2020
Buffalo Grove, IL	CCN132	Motion Control Fundamentals Using Kinetix 5700 (CIP) Servo Drives	03/31/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	03/31/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	04/02/2020
Buffalo Grove, IL	FTVP	FactoryTalk VantagePoint Configuration and Reporting	04/06/2020
Mokena, IL	CCA101	AC/DC Motors & Drives Fundamentals	04/07/2020
Lisle, IL	CCP143	Studio 5000™ Logix Designer Level 3: Project Development	04/07/2020
West Allis, WI	MFG213	Industrial Electrical Controls Fundamentals	04/14/2020
Lisle, IL	CCP153	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	04/14/2020
Lisle, IL	CCP250	Accelerated Logix5000 Programmer Certificate Level 1	04/20/2020
Buffalo Grove, IL	CCP183	EtherNet/IP Configuration and Troubleshooting	04/21/2020
Mokena, IL	CCA185	PowerFlex 525 Startup and Configuration	04/21/2020
Mequon, WI	SI-CCA176-LD	PowerFlex Low Voltage AC Drive Startup for Water/Wastewater	04/21/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	04/27/2020
West Allis, WI	CCV209-A	FactoryTalk View ME & PanelView Plus Maintenance and Troubleshooting	04/28/2020
Mokena, IL	RE0520	AutoMax Maintenance & Troubleshooting	05/05/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	05/05/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	05/07/2020
Buffalo Grove, IL	CCN144-A	Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming	05/12/2020

Rockwell Automation - Quick Class Summary

Location	Class Code	Rockwell Automation Enrollment Courses	Start Date
Racine, WI	CCP153	Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting	05/12/2020
Lisle, IL	CCP143	Studio 5000™ Logix Designer Level 3: Project Development	05/12/2020
West Allis, WI	SAF-TUV0T	Functional Safety for Machinery Technician Certification (TÜV Rheinland)	05/12/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	05/18/2020
Mokena, IL	CCP182	Essentials of Industrial Ethernet Networks for an OT Professional	05/19/2020
West Allis, WI	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	05/19/2020
West Allis, WI	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	05/21/2020
Lisle, IL	CCCL21	Studio 5000™ Logix Designer Level 3: Basic Ladder Logic Interpretation	05/27/2020
West Allis, WI	CCN144-A	Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming	06/02/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	06/02/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	06/04/2020
Hartland, WI	EMS-230	Motor Control and Troubleshooting	06/08/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	06/15/2020
Buffalo Grove, IL	CCV204-A	FactoryTalk View ME & PanelView Plus Programming	06/16/2020
Lisle, IL	CCP153	Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting	06/23/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	06/30/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	07/06/2020
Buffalo Grove, IL	CCP153	Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting	07/07/2020
Lisle, IL	CCP300	Accelerated Logix5000 Maintainer Certificate Level 1	07/13/2020
Lisle, IL	CCP143	Studio 5000™ Logix Designer Level 3: Project Development	07/21/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	07/27/2020
Buffalo Grove, IL	RE0520	AutoMax Maintenance & Troubleshooting	07/28/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	08/04/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	08/06/2020
Buffalo Grove, IL	CCN130	Motion Control Fundamentals	08/11/2020
Hartland, WI	CCV207	FactoryTalk View SE Programming	08/17/2020
Racine, WI	CCP182	Essentials of Industrial Ethernet Networks for an OT Professional	08/18/2020
Lisle, IL	CCP153	Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting	08/18/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	08/25/2020
Lisle, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	08/27/2020
Lisle, IL	CCP299	Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting	08/31/2020
Lisle, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	09/09/2020
Lisle, IL	CCP143	Studio 5000™ Logix Designer Level 3: Project Development	09/15/2020
West Allis, WI	SAF-TUV1	Functional Safety for Machinery Introduction	09/15/2020
Mokena, IL	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	09/22/2020
West Allis, WI	CCP146	Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals	09/22/2020
Lisle, IL	CCP251	Advanced Logix 5000 Programmer Certificate	09/22/2020
Mokena, IL	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	09/24/2020
West Allis, WI	CCP151	Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming	09/24/2020

Rockwell Automation - Drives

PowerFlex® 750 Series Configuration and Startup (CCA182)

Upon completion of this course, given a wired PowerFlex® 750-Series drive (PowerFlex® 753 or PowerFlex® 755) and AC motor, you will be able to start up the drive and configure drive parameters to meet application needs. Throughout the course, you will have the chance to use a variety of hardware and software tools, including the A6 LCD HIM, DriveExecutive™ software, and DriveExplorer™ software.

Date	Place	Cost
01/14/2020 - 01/15/2020	Revere Electric Supply - Hartland, WI	$1,600

PowerFlex® 750-Series Maintenance and Troubleshooting (CCA183)

This skill-building course introduces concepts and techniques that will assist you in successfully maintaining and troubleshooting a PowerFlex® 750-Series (PowerFlex® 753 or PowerFlex® 755) drive. You will learn how to recognize PowerFlex® 750-Series drive hardware and properly wire the drive. You will also learn to diagnose specific faults. You will have the chance to use a variety of maintenance and troubleshooting tools, including the A6 LCD HIM, DriveExplorer™ software, and DriveExecutive™ software.

Date	Place	Cost
01/16/2020 - 01/17/2020	Revere Electric Supply - Hartland, WI	$1,600

PowerFlex® 525 Startup and Configuration (CCA185)

Upon completion of this course, given a wired PowerFlex® 525 drive and AC motor, you will be able to properly start up the drive and configure drive parameters to meet application specific needs. Throughout the course, you will have the chance to use a variety of software and hardware tools.

Date	Place	Cost
04/21/2020 - 04/21/2020	Revere Electric Supply - Mokena, IL	$1,470

AC/DC Motors & Drives Fundamentals (CCA101)

This course is a skill-building course that provides you with a basic understanding of AC and DC motor and drive concepts and terminology. At the completion of this course, you will have the necessary fundamental knowledge and skills required to attend other Rockwell Automation AC and DC drives courses. During class, you will gain the hands-on skills required to build a miniature DC motor and investigate how a variable-speed drive controls the speed and direction of an attached motor.

Date	Place	Cost
04/07/2020 - 04/08/2020	Revere Electric Supply - Mokena, IL	$1,454

PowerFlex Low Voltage AC Drive Startup for Water/Wastewater (SI-CCA176-LD)

You will learn how to recognize PowerFlex low-voltage drive hardware and properly program and troubleshoot the drive as part of a typical startup service. Throughout the course, you will use the various HIMs and drive software to program and monitor various drive parameters. After each demonstration, you will be given an application-based exercise that offers hands-on practice using PowerFlex 525, 700VC, and/or 753 drives. ***Prior approval needed before enrollment in class.***

Date	Place	Cost
04/14/2020 - 04/16/2020	Rockwell Automation - Mequon, WI	$1,920

Rockwell Automation - HMI

FactoryTalk® View SE Programming (CCV207)

Upon completion of this course, you should be able to organize and develop FactoryTalk® View Site Edition (SE) applications. This course provides opportunities for you to work with local FactoryTalk® View SE applications. You will learn how to configure alarms and security, trend data, and test your application using FactoryTalk® View SE Client. You will also work with RSLinx® Enterprise communications software and the FactoryTalk® Diagnostics system.

Date	Place	Cost
02/24/2020 - 02/28/2020	Revere Electric Supply - Mokena, IL	$2,780
08/17/2020 - 02/28/2020	Revere Electric Supply - Hartand, WI	$2,780

FactoryTalk® View ME & PanelView™ Plus Maintenance and Troubleshooting (CCV209-A)

This course provides you with the skills necessary to maintain and troubleshoot FactoryTalk® View Machine Edition (ME) applications that run on PanelView™ Plus terminals. This course provides opportunities to work with both the hardware and software.

Date	Place	Cost
04/28/2020 - 04/29/2020	Revere Electric Supply - West Allis, WI	$1,600

FactoryTalk® VantagePoint Configuration and Reporting (FTVP)

In this course, you will learn various tools to analyze and display data using FactoryTalk® VantagePoint EMI. The course covers how to use the analysis and reporting tools to create Trends, Excel Reports, and Dashboards. You will have an opportunity to use the Portal and configure it to display content in various ways, including mobile devices. The course also focuses on extending the model in the product and configuring security.

Date	Place	Cost
04/06/2020 - 04/08/2020	Revere Electric Supply - Buffalo Grove, IL	$1,744

Rockwell Automation - Logix

Studio 5000™ Logix Designer Level 3: Basic Ladder Logic Interpretation (CCCL21)

This course is a skill-building course that provides you with a more detailed understanding of Studio 5000 Logix Designer™ ladder logic instructions and terminology. This course also provides you with the resources and hands-on practice required to interpret ladder logic instructions for any Logix5000 controller. You will have an opportunity to use the Logix Designer application to perform basic software tasks to meet the requirements of a given functional specification.

Date	Place	Cost
03/03/2020 - 03/04/2020	Rockwell Automation - Lisle, IL	$1,600
05/27/2020 - 05/28/2020	Rockwell Automation - Lisle, IL	$1,600

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Rockwell Automation - Logix (Continued)

Studio 5000™ Logix Designer Level 4: Kinetix® 5700 (CIP) Programming (CCN144-A)

After completing this course, you should be able to configure, test, tune, and program CIP Motion™ axis in the Studio 5000™ Logix Designer® application. Building upon the skills gained in the Studio 5000™ Logix Designer Level 3: Project Development (CCP143).

Date	Place	Cost
02/11/2020 - 02/14/2020	Revere Electric Supply - Hartland, WI	$2,360
05/12/2020 - 05/15/2020	Revere Electric Supply - Buffalo Grove, IL	$2,135
06/02/2020 - 06/05/2020	Revere Electric Supply - West Allis, WI	$2,360

Studio 5000 Logix Designer™ Level 3: Project Development (CCP143)

Upon completion of this course, given a functional specification for a Logix5000™ application, you should be able to develop a project to meet the requirements of the specification. This course covers tasks common to the following controllers, which all use the Logix5000™ control engine, or operating system: ControlLogix® controllers, CompactLogix™ controllers, and SoftLogix™ controllers.

Date	Place	Cost
01/07/2020 - 01/10/2020	Rockwell Automation - Lisle, IL	$2,360
02/25/2020 - 02/28/2020	Rockwell Automation - Lisle, IL	$2,360
04/07/2020 - 04/10/2020	Rockwell Automation - Lisle, IL	$2,360
05/12/2020 - 05/15/2020	Rockwell Automation - Lisle, IL	$2,360
07/21/2020 - 07/24/2020	Rockwell Automation - Lisle, IL	$2,360
09/15/2020 - 09/18/2020	Rockwell Automation - Lisle, IL	$2,360

Studio 5000 Logix Designer™ Level 1: ControlLogix System Fundamentals (CCP146)

After completing this course, you should be able to perform basic ControlLogix™ and Studio 5000 Logix Designer™ tasks, such as creating and configuring a project as well as communicating with a controller. This course will assist you in developing and building a solid foundation with a fundamental knowledge of ControlLogix® and other Logix5000™ systems.

Date	Place	Cost
01/14/2020 - 01/15/2020	Rockwell Automation - Lisle, IL	$1,600
01/28/2020 - 01/29/2020	Revere Electric Supply - West Allis, WI	$1,600
03/31/2020 - 04/01/2020	Rockwell Automation - Lisle, IL	$1,600
05/05/2020 - 05/06/2020	Rockwell Automation - Lisle, IL	$1,600
05/19/2020 - 05/20/2020	Rockwell Automation - West Allis, WI	$1,600
06/02/2020 - 06/03/2020	Rockwell Automation - Lisle, IL	$1,600
08/04/2020 - 08/05/2020	Rockwell Automation - Lisle, IL	$1,600
08/25/2020 - 08/26/2020	Rockwell Automation - Lisle, IL	$1,600
09/09/2020 - 09/10/2020	Rockwell Automation - Lisle, IL	$1,600
09/22/2020 - 09/23/2020	Rockwell Automation - Mokena, IL	$1,454
09/22/2020 - 09/23/2020	Rockwell Automation - West Allis, WI	$1,600

Rockwell Automation - Logix (Continued)

Studio 5000 Logix Designer™ Level 2: Basic Ladder Logic Programming (CCP151)

This is a skill-building course that provides you with the resources and hands-on practice required to program basic ladder logic instructions for any Logix5000™ controller. You will have an opportunity to use the Studio 5000 Logix Designer™ application to perform basic software tasks to meet the requirements of a given functional specification as well as set up a sequencer to run equipment through a predefined procedure and separate production procedure from equipment control.

Date	Place	Cost
01/16/2020 - 01/17/2020	Rockwell Automation - Lisle, IL	$1,600
01/30/2020 - 01/31/2020	Revere Electric Supply - West Allis, WI	$1,600
03/05/2020 - 03/06/2020	Rockwell Automation - Lisle, IL	$1,600
04/02/2020 - 04/03/2020	Rockwell Automation - Lisle, IL	$1,600
05/07/2020 - 05/08/2020	Rockwell Automation - Lisle, IL	$1,600
05/21/2020 - 05/22/2020	Rockwell Automation - West Allis, WI	$1,600
06/04/2020 - 06/05/2020	Rockwell Automation - Lisle, IL	$1,600
06/30/2020 - 07/01/2020	Rockwell Automation - Lisle, IL	$1,600
08/06/2020 - 08/07/2020	Rockwell Automation - Lisle, IL	$1,600
08/27/2020 - 08/28/2020	Rockwell Automation - Lisle, IL	$1,600
09/24/2020 - 09/25/2020	Rockwell Automation - Mokena, IL	$1,600
09/24/2020 - 09/24/2020	Rockwell Automation - West Allis, WI	$1,454

Studio 5000 Logix Designer™ Level 2: ControlLogix Maintenance and Troubleshooting (CCP153)

Upon completion of this course, you will be able to troubleshoot a previously operational ControlLogix® system and restore normal operation. This course adds to your skill set by introducing new tasks such as connecting to a network, interpreting project execution, editing ladder logic online, and more. Individuals who need to maintain and troubleshoot a ControlLogix® or other Logix5000 system should attend this course.

Date	Place	Cost
01/28/2020 - 01/31/2020	Rockwell Automation - Lisle, IL	$2,360
03/17/2020 - 03/20/2020	Rockwell Automation - Lisle, IL	$2,360
04/14/2020 - 04/17/2020	Rockwell Automation - Lisle, IL	$2,360
05/12/2020 - 05/15/2020	Rockwell Automation - Racine, WI	$2,360
06/23/2020 - 06/26/2020	Rockwell Automation - Lisle, IL	$2,360
07/07/2020 - 07/10/2020	Rockwell Automation - Buffalo Grove, IL	$2,135
08/18/2020 - 08/21/2020	Rockwell Automation - Lisle, IL	$2,360

Rockwell Automation - Logix (Continued)

Accelerated Logix5000™ Programmer Certificate Level 1 (CCP250)

This accelerated course is for individuals who can quickly learn and apply Logix5000™ concepts, terminology, hardware, and the Studio 5000 Logix Designer® programming environment. This course prepares you for the Accelerated Logix5000™ Programmer Certificate Course Level 1 certificate exam, which is included in the course price. Important: Before registering please review all required course prerequisites, which can be obtained from the Revere services department.

Date	Place	Cost
01/20/2020 - 01/24/2020	Rockwell Automation - Lisle, IL	$2,780
04/20/2020 - 04/24/2020	Rockwell Automation - Lisle, IL	$2,780

Advanced Logix 5000™ Programmer Certificate (CCP251)

This course is for individuals who can quickly learn and apply Logix 5000™ concepts, terminology, hardware, and the Studio 5000 Logix Designer® programming environment.

Date	Place	Cost
03/24/2020 - 03/27/2020	Rockwell Automation - Lisle, IL	$2,360
09/22/2020 - 09/25/2020	Rockwell Automation - Lisle, IL	$2,360

Studio 5000 Logix Designer™ Level 1: CompactLogix Fundamentals and Troubleshooting (CCP298)

Upon completion of this course, you should be able to troubleshoot a previously operational ControlLogix® system and restore normal operation. You will develop and practice these skills by learning basic concepts and terminology used with ControlLogix® systems.

Date	Place	Cost
03/23/2020 - 03/27/2020	Revere Electric Supply - Mokena, IL	$2,780

Studio 5000 Logix Designer™ Level 1: ControlLogix Fundamentals and Troubleshooting (CCP299)

Upon completion of this course, you should be able to troubleshoot a previously operational ControlLogix® system and restore normal operation. You will develop and practice these skills by learning basic concepts and terminology used with ControlLogix® system hardware and Studio 5000 Logix Designer application. Additionally, you will develop these skills by practicing a systematic strategy for diagnosing and troubleshooting problems, along with performing hands-on exercises.

Date	Place	Cost
02/03/2020 - 02/07/2020	Rockwell Automation - Lisle, IL	$2,780
03/09/2020 - 03/13/2020	Rockwell Automation - Lisle, IL	$2,780
04/27/2020 - 05/01/2020	Rockwell Automation - Lisle, IL	$2,780
05/18/2020 - 05/22/2020	Rockwell Automation - Lisle, IL	$2,780
06/15/2020 - 06/19/2020	Rockwell Automation - Lisle, IL	$2,780
07/06/2020 - 07/10/2020	Rockwell Automation - Lisle, IL	$2,780
07/27/2020 - 07/31/2020	Rockwell Automation - Lisle, IL	$2,780
08/31/2020 - 09/04/2020	Rockwell Automation - Lisle, IL	$2,780

Rockwell Automation - Logix (Continued)

Accelerated Logix5000™ Maintainer Certificate Level 1 (CCP300)

This accelerated course is for individuals who can quickly learn and apply Logix5000™ concepts, terminology, hardware troubleshooting skills, and interpretation of ladder logic in a Studio 5000 Logix Designer® project. This course prepares you for the Logix5000 Maintainer Certificate Course Level 1 certificate exam, which is included in the course price.

Date	Place	Cost
02/17/2020 - 02/21/2020	Rockwell Automation - Lisle, IL	$2,780
07/13/2020 - 07/17/2020	Rockwell Automation - Lisle, IL	$2,780

AutoMax Maintenance & Troubleshooting (RE0520)

This course is designed to provide you with a general understanding the AutoMax hardware and to acquire the necessary skills to interrogate the AutoMax processors for information needed to troubleshoot the system. You will also be provided an opportunity to monitor and load an AutoMax processor and to locate the necessary points for voltage measurements.

Date	Place	Cost
05/05/2020 - 05/08/2020	Revere Electric Supply - Mokena, IL	$2,135
07/28/2020 - 07/31/2020	Revere Electric Supply - Buffalo Grove, IL	$2,135

Rockwell Automation - Networks

Essentials of Industrial Ethernet Networks for an OT Professional (CCP182)

After completing this course, you should be able to demonstrate understanding of basic Ethernet networking skills, terminology and concepts as well as apply these skills when performing advanced network specification, configuration and troubleshooting tasks. In this course, you will learn how to verify communications between devices, recognize data transmission types and differentiate between OSI Model Layer 2 and Layer 3 switching functions.

Date	Place	Cost
03/10/2020 - 03/11/2020	Revere Electric Supply - Mokena, IL	$1,600
03/10/2020 - 03/11/2020	Revere Electric Supply - West Allis, WI	$1,600
05/19/2020 - 05/20/2020	Revere Electric Supply - Mokena, IL	$1,454
08/18/2020 - 08/19/2020	Revere Electric Supply - Racine, WI	$1,600

EtherNet/IP Configuration and Troubleshooting (CCP183)

This course prepares students to resolve issues with communication between devices on a network. Students will troubleshoot an EtherNet/IP network's media and components (including the Stratix 5700 switch); run diagnostic tests to resolve system and port issues; and perform common functions such as resetting the switch.

Date	Place	Cost
03/17/2020 - 03/19/2020	Revere Electric Supply - Mokena, IL	$1,920
04/21/2020 - 04/23/2020	Revere Electric Supply - Buffalo Grove, IL	$1,744

Rockwell Automation - Networks (Continued)

FactoryTalk View ME & PanelView Plus Programming (CCV204-A)

This course is a skill-building course that provides you with the skills necessary to develop FactoryTalk View Machine Edition (ME) applications that run on the next-generation PanelView Plus terminals. You will gain hands-on skills such as learning how to prepare a PanelView Plus terminal for operation and creating a new application and run it on a terminal. Additionally, you will learn how to create, configure, and animate graphic objects on graphic displays.

Date	Place	Cost
06/16/2020 - 06/19/2020	Revere Electric Supply - Buffalo Grove, IL	$2,135

Rockwell Automation - Safety

GuardLogix™ Application Development and Troubleshooting (SAF-LOG104)

Upon completion of this course, you will be able to create a Logix Designer project for a GuardLogix™ system. You will have the opportunity to develop and practice these skills by creating and configuring a GuardLogix™ project, adding and configuring CompactBlock Guard I/O safety modules, generating safety signatures and locking/unlocking a GuardLogix™ controller, and programming safety instructions, among other tasks.

Date	Place	Cost
02/18/2020 - 02/20/2020	Revere Electric Supply - Hartland, WI	$1,920

Functional Safety for Machinery Technician Certification (TÜV Rheinland) (SAF-TUV0T)

Rockwell Automation offers this training in cooperation with TÜV Rheinland. The standards regarding functional safety and relevant laws and directives demand that people and organizations performing responsible (accountable) tasks during relevant life cycle phases of a machine must achieve and prove required competencies. This training will also cover safety topics such as redundancy, testing, distance calculations, assigning required level of risk reduction as PL, monitoring moveable guard positions, and fault avoidance for relevant life cycle phases.

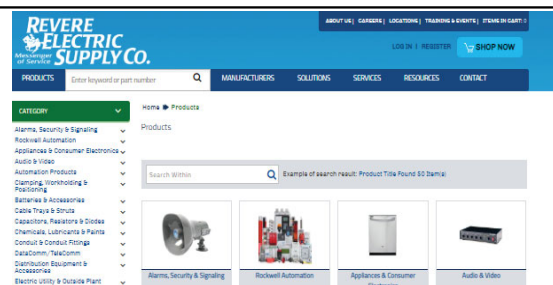| Date	Place	Cost
05/12/2020 - 05/13/2020	Revere Electric Supply - West Allis, WI	$2,140

Functional Safety for Machinery Introduction (SAF-TUV1)

The standards regarding functional safety and relevant laws and directives demand that people and organizations performing responsible (accountable) tasks during all relevant life cycle phases of a machine must achieve and prove the required competencies. This is an introduction to functional safety for machinery standards and is highly recommended to prepare students for the Rockwell Automation/TÜV Rheinland engineer certification course.

Date	Place	Cost
09/15/2020 - 09/17/2020	Revere Electric Supply - West Allis, WI	$1,920

Rockwell Automation - Motion

Motion Control Fundamentals (CCN130)

Upon completion of this course, you should be able to demonstrate fundamental motion control concepts common to all Rockwell Automation motion control systems. This course is designed to provide you with an understanding of the concepts, terminology, functionality and applications of motion control. In addition, you will also learn how motion control applications function using the concepts and principles discussed in each lesson.

Date	Place	Cost
08/11/2020 - 08/12/2020	Revere Electric Supply - Buffalo Grove, IL	$1,454

Motion Control Fundamentals Using Kinetix 5700 (CIP) Servo Drives (CCN132)

Upon completion of this course, you should be able to demonstrate fundamental motion control concepts common to all Rockwell Automation motion control systems.This course is designed to provide you with an understanding of the concepts, terminology, functionality and applications of motion control. This course will also allow you to establish the foundation you need before learning the skills necessary to maintain and program motion control systems.

Date	Place	Cost
03/31/2020 - 04/02/2020	Revere Electric Supply - Buffalo Grove, IL	$1,744

Rockwell Automation - Miscellaneous

Industrial Electrical Controls Fundamentals (MFG213)

This course is designed to provide knowledge and skills required to install, maintain and troubleshoot machine controls. At the completion of this course, you will be able to demonstrate the proper use of VOM, DVM, Multi-meters, continuity tester and amp probe test equipment in lab to measure voltage, current, resistance and continuity, among other tasks.

Date	Place	Cost
04/14/2020 - 04/20/2020	Revere Electric Supply - West Allis, WI	$2,360

Motor Control and Troubleshooting (EMS-230)

This course provides information on the concepts associated with systematic troubleshooting of instrumentation systems. Participants use practical application of troubleshooting techniques in exercise scenarios.

Date	Place	Cost
06/08/2020 - 06/12/2020	Revere Electric Supply - Hartland, WI	$2,780

Visit one of Revere's Customer Experience Centers

Hartland   West Allis   Mokena

Product Demonstrations | Proof of Concept | Training
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Revere Electric Workshop Summary

Location	Class Code	Revere Electric Supply Workshops	Start Date
Racine, WI	~	Sensor Basics & Application Review	01/23/2020
West Allis, WI	~	Safety Basics/Safety Application Technique	01/30/2020
West Allis, WI	~	Optimize your Ethernet Network with Proper Switch Configuration	02/05/2020
West Allis, WI	~	Optimize your Ethernet Network with Proper Switch Configuration	02/06/2020
Racine, WI	~	PLC Basics	02/11/2020
Racine, WI	~	GSR Safety Relay Class	02/13/2020
West Allis, WI	~	CR30 Beginner / Advanced (Tips & Tricks)	03/05/2020
Racine, WI	~	Logix 5000 Programming	03/10/2020
Racine, WI	~	Introduction to Drives and Motors	03/26/2020
West Allis, WI	~	Sistema Seminar	04/08/2020
West Allis, WI	~	Integrated Safety Workbench	04/21/2020
Racine, WI	~	PLC Basics	06/09/2020
West Allis, WI	~	Panel Design / Best Practices	06/17/2020
Racine, WI	~	Logix 5000 Programming	07/14/2020
Racine, WI	~	Introduction to Drives and Motors	07/16/2020
West Allis, WI	~	Sensor Basics & Application Review	07/16/2020
West Allis, WI	~	CR30 Beginner / Advanced (Tips & Tricks)	07/23/2020
Racine, WI	~	PLC Basics	10/13/2020
Racine, WI	~	Introduction to Drives and Motors	10/22/2020
Racine, WI	~	Logix 5000 Programming	11/10/2020

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Revere Electric Supply Workshops

Sensor Basics & Application Review

•Sensor Basics: Understand the different types of sensors out in the Market
•Sensing Applications: Understand when to use those sensors and how to apply them
•Intelligent Sensing: Understanding IO Link, how it reduces downtime, & saves money long term.
•Hands On Labs

Date	Place	Cost
01/23/2020 - 01/23/2020	Revere Electric Supply - Racine, WI	Free
07/16/2020 - 07/16/2020	Revere Electric Supply - West Allis, WI	Free

Safety Basics / Safety Application Technique

This class will go over the following: Risk Assessments, Categories / Performance Levels, Product Basics, Stop Time / Safety Distance, ISO 14119 Review and STO.

Date	Place	Cost
01/30/2020 - 01/30/2020	Revere Electric Supply - West Allis, WI	$97

Optimize your Ethernet Network with Proper Switch Configuration

The wide deployment of EtherNet/IP™ in industrial automation means that there is a growing demand to manage the network properly. Integrating new machine-level networks into an existing plant network requires convergence. With more devices connected on the same Ethernet network than ever before, it is imperative to not only understand common networking issues, but how to prevent those issues from occurring. Rockwell Automation's Stratix switches can help you mitigate networking issues, while providing scalability and security. Join Revere for a half day seminar where we will combine lectures and hands-on labs on the following topics:
- Stratix Configuration
- NAT (Network Address Translation)
- DLR (Device-Level Ring)
- PTP (Precision Time Protocol) for Motion Applications
- Diagnostics and Tools

Date	Place	Cost
02/05/2020 - 02/05/2020	Revere Electric Supply - West Allis, WI	$469
02/06/2020 - 02/06/2020	Revere Electric Supply - West Allis, WI	$469

PLC Basics (AAWSSLC500BASIC)

Revere's PLC/EOI Specialists Carmen Pillizzi and Don Goldbach use lectures and labs to familiarize students with what a PLC is. The workshop covers configuring the hardware of a typical PLC system and learning basic addressing techniques and Ladder Logic.

Date	Place	Cost
02/11/2020 - 02/12/2020	Revere Electric Supply - Racine (State Street), WI	$895
06/09/2020 - 06/10/2020	Revere Electric Supply - Racine (State Street), WI	$895
10/13/2020 - 10/14/2020	Revere Electric Supply - Racine (State Street), WI	$895

Revere Electric Supply Workshops

GSR Safety Relay Class

Class focus:
- Maintain relay-based machine functional safety systems
- Interpret and clear different faults: –At the safety relay –For E-stop pushbuttons and grip enabling switches –For interlock and non-contact switches –For light curtains and safety sensors –For safety mats –For safety outputs –For wiring in safety systems
- Utilize Application Techniques

Date	Place	Cost
02/13/2020 - 02/13/2020	Revere Electric Supply - Racine (State Street), WI	$497

CR30 Beginner / Advanced (Tips & Tricks)

Class focus:
- Learn to Program CR30 through Studio 5000
- Go through labs
- Beginner Section in AM. Advanced Programming (utilizing Smart Machine) in afternoon.
- Receive FREE CR30!
- NEW CR50 Review (Pre-release)

Date	Place	Cost
03/05/2020 - 03/05/2020	Revere Electric Supply - West Allis, WI	$647
07/23/2020 - 07/23/2020	Revere Electric Supply - West Allis, WI	$647

Logix5000® Programming (AWSLOGIX5000BASIC)

We are proud to offer this two day course that provides students with a basic understanding of RSLogix5000® ladder logic instructions and terminology. We will instruct and provide the students hands-on practice to efficiently program a Logix5000® controller while using the RSLogix5000® programming software. Students will gain a better understanding of tasks, programs, and routines function as well as creating tags. There will also be labs using Local and Distributed I/O over Ethernet demonstrating the advantages of the Producer/Consumer model and enhanced module capabilities. Additional labs include Processor to Processor communications, User defined data types, and add on instructions. We also cover the basics of EtherNet/IP addressing and 'Flashing' of the Logix hardware.

Date	Place	Cost
03/10/2020 - 03/11/2020	Revere Electric Supply - Racine (State Street), WI	$895
07/14/2020 - 07/15/2020	Revere Electric Supply - Racine (State Street), WI	$895
11/10/2020 - 11/11/2020	Revere Electric Supply - Racine (State Street), WI	$895

You Are Invited to Revere's Annual Solutions Symposium

Save the Date May 6-7, 2020

FREE SEMINARS
FREE HANDS ON LABS
OVER 50 MANUFACTURERS

Revere Electric Supply Workshops

Introduction to Drives and Motors

After attending this class you will gain an understanding of Electric motors, basic drive operation and the use of a PowerFlex 525 Drives. There will be a mix of presentations, hands on Labs and demonstrations for topics related to drive operation.

Date	Place	Cost
03/26/2020 - 03/26/2020	Revere Electric Supply - Racine (State Street), WI	$395
07/16/2020 - 07/16/2020	Revere Electric Supply - Racine (State Street), WI	$395
10/22/2020 - 10/22/2020	Revere Electric Supply - Racine (State Street), WI	$395

RAPID Sistema Training Workshop

A key part of safety system design is verifying the solution meets the safety performance level of the hazard. Learn how to identify safety functions, calculate the performance level using the FREE software tool SISTEMA, and document the calculations using SISTEMA's performance level verification report.

Date	Place	Cost
04/08/2020 - 04/09/2020	Revere Electric Supply - West Allis, WI	$110

Integrated Safety Workbench

Learn how to improve productivity by using Smart Safety Solutions from Revere Electric & Rockwell Automation. This workbench will provide guided, hands-on demonstrations using the latest integrated safety products from Rockwell Automation. Topics include: Safety System Design: Risk Assessment, Functional, Specification, Design, Validation, CR30 Safety Relay Studio 5000® Programming, Introduction to Rockwell GuardLink™, 450L Light Curtains, Rockwell 442G Multifunction Access Box, & other updated technology. Also included: Introduction to GuardLogix®: Hardware and Programming, Safety and Security Virtual Demo, GuardLogix® Safety: Common Uses & Applications, Kinetix 5700 Motion and PowerFlex® 755 Drives, Safety Applications, Safety Automation Builder & Sistema Overview, and Safety Services.

Date	Place	Cost
04/21/2020 - 04/22/2020	Revere Electric Supply - West Allis, WI	$110

Panel Design / Best Practices

Learn the following: Electrical Standards Overview, Planning, Specification and Design Guidelines, •Component Sizing and Selection, UL 508A Overview of General Requirements, UL 508A Short Circuit Current Rating (SCCR), Panel Assembly and Wiring Practices, and Panel Design Optimization – Product Solutions & Tools.

Date	Place	Cost
06/17/2020 - 06/17/2020	Revere Electric Supply - West Allis, WI	Call for price

REGISTRATION INFORMATION
- **www.revereelectric.com/training**
- **Email us @**
   revereservices@revereelectric.com
- **Call our Services Department @**
   (800) 634-2702

https://www.revereelectric.com/eventCalendarUnit.action

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