



## *Training Schedule*

October 2020 - March 2021

Fundamental Electrical Maintenance Skills • Electrical Safety • BICSI • Rockwell Automation


# Real life experience. Real life solutions.

## About Schaedler Yesco Training

It is crucial to a company's success to have knowledgeable employees that can effectively and efficiently complete their work. Educating your employees can help to retain and attract top talent.

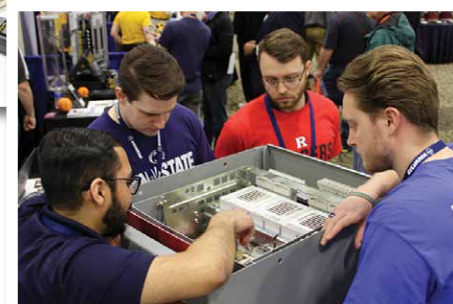
Whether you need to keep up with changing technology, are looking to reduce the skills gap, or building a base education to grow new staff, we have training options for beginner to advanced with the ability to enhance all levels of skill.

At Schaedler Yesco, we also understand that with staff reductions and busy schedules, making time for training can be challenging. The following pages offer a variety of courses and times designed to offer options for your team. If our scheduled courses don't seem to work for you, we also offer customized training solutions. We'll be happy to work with you to develop a training plan that works for your needs. For more information, please see page 7 or contact us at

 1-800-998-1621  
press "7" for Training & Events

 [www.sydist.com/training](http://www.sydist.com/training)

 [training@sydist.com](mailto:training@sydist.com)



### **NOTICE: COVID-19-related restrictions/changes for training:**

- No more than 10 students for FEMS classes.
- No more than 6 students allowed for Rockwell classes until further notice.
- Students can cancel training due to COVID-19 related illness; we ask that the student notify us ASAP.
- Students must wear a face mask when in the building.

Restrictions are subject to change at any time based on conditions at the time of each class.

For up-to-date information on our current COVID-19 guidelines, visit

[www.sydist.com/COVID19](http://www.sydist.com/COVID19)

# Fundamental Electrical Maintenance Skills



Sometimes training needs to start with the basics. That is what our Fundamental Electrical Maintenance Skills (FEMS) classes were specifically designed to do. We are proud to have developed this stepped series designed for electrical maintenance personnel looking to add or improve a skill set and increase reliability of electrical control systems. These courses are also appropriate for electrical contractors looking to enter industrial automation. Although maximum benefit comes from participating in the entire curriculum, classes can be mixed and matched to your specific needs.

**Expectations:**

- Increased personnel and machine safety awareness
- Basic understanding of the latest guidelines & best practices
- Increased uptime of equipment and machinery
- Fundamental understanding of electrical control systems
- Improved confidence & independence with troubleshooting

**Who should attend:**

Individuals who are responsible for installing, maintaining or troubleshooting machine controls or those who want to add an understanding of machine controls.

<b>Basic Industrial Electrical Theory I (Level 1)</b>			
2/2/2021	8am-12pm	York	\$235
<b>Basic Industrial Electrical Theory II (Level 2)</b>			
<i>Recommended Prerequisite(s): Level 1</i>			
2/2/2021	1pm-5pm	York	\$235
<b>Industrial Electrical Math (Level 3)</b>			
2/9/2021	8am-12pm	York	\$235
<b>Using Multimeters (Level 4)</b>			
<i>Recommended Prerequisite(s): Levels 1 &amp; 2</i>			
2/9/2021	1pm-5pm	York	\$235
<b>Reading Electrical Schematics (Level 5)</b>			
2/16/2021	8am-12pm	York	\$235
<b>Component Identification (Level 6)</b>			
2/16/2021	1pm-5pm	York	\$235

<b>Basic Industrial Electrical Theory III (Level 7)</b>			
<i>Recommended Prerequisite(s): Levels 1 &amp; 2</i>			
2/23/2021	8am-12pm	York	\$235
<b>Basic Industrial Electrical Theory IV (Level 8)</b>			
<i>Recommended Prerequisite(s): Levels 1, 2, &amp; 7</i>			
2/23/2021	1pm-5pm	York	\$235
<b>Understanding Ladder Logic (Level 9)</b>			
<i>Recommended Prerequisite(s): Levels 1, 2, 5, 7, &amp; 8</i>			
3/2/2021	8am-12pm	York	\$235
<b>Transformers and Motors (Level 10)</b>			
<i>Recommended Prerequisite(s): Levels 1, 2, 7, &amp; 8</i>			
3/2/2021	1pm-5pm	York	\$235
<b>Panel Wiring (Level 11)</b>			
<i>Recommended Prerequisite(s): Levels 1, 2, 4, 5, 6, 7, 8, &amp; 9</i>			
3/15-3/16/2021	8:30am-4:30pm	York	\$550
<b>Introduction to Industrial Electronics (Level 12)</b>			
<i>Recommended Prerequisite(s): Levels 1, 2, 3, 4, 5, 6, 7, &amp; 8</i>			
3/23/2021	8am-12pm	York	\$235
<b>Advanced Motors (Level 13)</b>			
<i>Recommended Prerequisite(s): Levels 1, 2, 7, 8, 10, &amp; 12</i>			
3/23/2021	1pm-5pm	York	\$235
<b>Digital Electrical Principles (Level 14)</b>			
<i>Recommended Prerequisite(s): Levels 1 &amp; 2</i>			
3/30/2021	8am-12pm	York	\$235



\* Class sizes are currently limited to 10 students due to COVID-19.

\* Textbooks are provided for all FEMS classes.

\*Sign up for three or more classes and you keep the book!

# Rockwell Automation Training

As an Authorized Rockwell Distributor, Schaedler Yesco is dedicated to offering complete solutions. Providing product and programs is only part of our on-going support of our customers and their businesses. Rockwell Authorized training programs are only available through Authorized Rockwell Distributors. Classes are specific to Rockwell products and are hands-on with demo equipment to maximize the learning experience.



## Expectations:

- Learn how to program, troubleshoot, setup and design industrial automation and process applications
- Improve automation programming knowledge
- Understand process application and data collection and information on how to set and maintain an industrial network for communications
- Taught using the most current system by subject matter experts



## Who should attend:

Individuals who want to gain or improve their Automation skillset and those who are responsible for development, installation, start-up, process improvement, data collection and network programming and security projects.

## Webinars and Custom Courses:

In addition to scheduled, in-person training, Schaedler Yesco and Rockwell offer additional training opportunities as webinars and custom courses. For more information, visit <http://www.rockwellautomation.com/training>

## ControlLogix & Studio 5000 Logix Designer

### CCP299 Level 1: ControlLogix Fundamentals & Troubleshooting

10/26-10/30/20 (ID: 48382)  
 Monday 1pm-5pm  
 Tuesday-Friday 8:30am-4:30pm York \$2,834

2/22-2/26/21 (ID: 48402)  
 Monday 1pm-5pm  
 Tuesday-Friday 8:30am-4:30pm Harrisburg \$2,834

**CCP146 Level 1: ControlLogix System Fundamentals**  
 12/15-12/16/20 (ID: 47524) 8:30am-4:30pm York \$1,757  
 1/12-1/13/21 (ID: 47538) 8:30am-4:30pm DuBois \$1,757

**CCP151 Level 2: ControlLogix Basic Ladder Logic Programming**  
 2/9-2/10/21 (ID: 47561) 8:30am-4:30pm DuBois \$1,757

**CCP153 Level 2: ControlLogix Maint. & Troubleshooting**  
 1/19-1/22/21 (ID: 48155) 8:30am-4:30pm York \$2,398

**CCP143 - Studio 5000 Logix Designer Level 3: Project Development**  
 3/23-3/26/21 (ID: 48179) 8:30am-4:30pm Harrisburg \$2,398

## Mechanical

**MMS-115 - Bearing Fundamentals**  
 11/3-11/4/20 (ID:47490) 8:30am-4:30pm Harrisburg \$1,757

## Industrial Networking

**CCP183 - EtherNet/IP Configuration and Troubleshooting**  
 12/8-12/10/20 (ID:47918) 8:30am-4:30pm DuBois \$2,100

## Safety

**FND-035 - Electrical Safety for Qualified Personnel**  
 1/26-1/27/21 (ID:47545) 8:30am-4:30pm Harrisburg \$1,757

## Motion and Servo Control

**CCN202 - Kinetix 5700 Troubleshooting & Project Interpretation**  
 11/17-11/19/20 (ID:47913) 8:30am-4:30pm DuBois \$2,100  
 2/2-2/4/21 (ID:47928) 8:30am-4:30pm York \$2,100

**CCN190-LD: Studio 5000 Logix Designer Level 5: Advanced Motion Programming**  
 10/6-10/7/20 (ID:47472) 8:30am-4:30pm Harrisburg \$1,757

## Drives

**CCA182: PowerFlex 750 Series Configuration and Startup**  
 10/20-10/21/20 (ID:47481) 8:30am-4:30pm DuBois \$1,757  
 11/10-11/11/20 (ID:47506) 8:30am-4:30pm York \$1,757

**CCA183: PowerFlex 750 Series Maintenance & Troubleshooting**  
 3/2-3/3/21 (ID:47582) 8:30am-4:30pm DuBois \$1,757  
 3/9-3/10/21 (ID:47587) 8:30am-4:30pm York \$1,757

\* Class sizes are currently limited to (6) students due to COVID-19.

## Automation Training

Schaedler Yesco is dedicated to offering complete solutions. Providing product and programs is only part of our on-going support of our customers and their businesses. Our Automation training programs are hands-on with demo equipment to maximize the learning experience.

### Expectations:

- Learn how to install, configure, maintain, and troubleshoot industrial automation applications
- Expand overall automation control systems knowledge
- Increase confidence with device and system troubleshooting
- Improve comfort level with automation systems through interaction with real-world hardware
- Taught using the most current devices and systems by subject matter experts

### Who should attend:

Individuals who want to increase or improve their automation skill set, and those who are responsible for installation, configuration, start-up, maintenance, and troubleshooting of the latest generation of equipment control devices and systems.

### Drives

#### PowerFlex 525 Drives Basic Training

1/21/2021	8am-4:30pm	Harrisburg	\$300
3/10/2021	7am-3:30pm	DuBois	\$300

*\* A minimum of six (6) students for class to run.*



## Safety Training & Certifications

Safety training is a must for anyone working with electricity.

### Expectations:

- One-day class will keep your team safe and up-to-date

### Who should attend:

- Anyone working with electricity
- Those who need to have an OSHA electrical certification
- Those who need to become recertified (every 3 years)



#### OSHA Electrical Safety and NFPA70E Recertification

11/20/2020	1pm-5pm	Harrisburg	\$300
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#### OSHA Electrical Safety and NFPA70E Certification

12/3/2020	8:30am - 5pm	Harrisburg	\$550
1/8/2021	8:30am - 5pm	York	\$550
2/5/2021	8:30am - 5pm	DuBois	\$550

*\*Recertification course must be completed at a minimum of every 3 years.*

# BICSI Certification

Having the right products and programs is only part of your overall DataComm solution. If you intend to have in-house personnel install and maintain your data systems, we can help ensure proper installation and management.

BICSI is the worldwide preeminent source of information, education, and knowledge assessment for the constantly evolving information transport systems industry. From voice, data, electronic safety & security, project management and audio & video technologies, BICSI training is designed to support those who are involved in the design, installation, implementation and maintenance of systems and associated pathways and spaces.



## Expectations:

- Training at a BICSI Authorized Training Facility
- Four progressive courses that upon completion will provide either a certificate or renewable credential
- Ability to conduct site surveys and install, terminate, and test copper & optical fiber cable to the highest level of specification
- Become BICSI Certified at several levels

## Who should attend:

- Beginning to advanced installers looking to increase their knowledge
- Installers looking to earn or maintain BICSI certification



## Installer Level

<b>IN101: BICSI Installer Level 1 Training</b>	10/19-10/23/2020	8am-5pm	York	\$1,745
<b>IN225: BICSI Installer Level 2 (Copper) Training</b>	11/2-11/6/2020	8am-5pm	York	\$2,245
<b>IN250: BICSI Installer Level 2 (Fiber) Training</b>	12/14-12/18/2020	8am-5pm	York	\$2,445

## Technician Level

<b>TE350: BICSI Technician Training</b>	1/25-1/29/21	8am-5pm	York	\$2,545
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### Written Exams

Testing will be administered at the Pearson Vue testing center of your choosing. Instructor will provide details and a test voucher upon successful completion of your hands-on exam. It is strongly recommended that you schedule your written test within 1 week of completion of the course.

- \* BICSI classes must be paid in full (3) weeks prior to class start date
- \* Written exams are \$335 each and payable to Schaedler Yesco
- \* Course workbooks are \$90 each per class
- \* ITSIMM workbooks are \$250 each (one manual covers all classes)



# Made-to-Order Training



## Training When and How You Need It.

Your employees are your biggest asset and will thrive when given the right tools. When scheduled training just doesn't work for you, we have other options available. We're here to help you provide your team with the skills they need.



## SCHEDULED / OFF-SITE

The most popular and in demand classes are already scheduled at several Schaedler Yesco locations. Pick from our advertised training schedule and register online.

Register online at [www.sydist.com/training](http://www.sydist.com/training)



## E-LEARNING

E-learning courses are self-paced and self-directed so you can learn when and where it is convenient for you. Rockwell's e-learning incorporates a variety of fundamental and product specific topics to help you build expertise on automation and control systems. Each learning module contain activities, software simulations, and demonstration videos to help reinforce learning concepts.

- Visit <https://tinyurl.com/rockwellelearning> to view the training currently available with e-learning
- For pricing and registration call or email us at 1-800-998-1621 press "7" for Training & Events or [training@sydist.com](mailto:training@sydist.com)
- CEUs can be earned for all e-learning except for Industrial Networking courses. A learner must successfully pass all knowledge assessments (>80%) in a course to receive the CEUs



## CUSTOMIZED TRAINING

Sometimes a tailored curriculum is needed to meet your goals. Our customized training does just that. You make the decisions to modify the training based on your production technologies, worker skill level, training time, and budget. Classes can be held at your facility or at a Schaedler Yesco location.

Contact us for scheduling details and availability.



## ON-SITE

Sometimes sending employees off-site isn't practical. Our on-site training solution provides an attractive alternative. Classes can be held at your facility or training center.

Contact us for scheduling details and availability.



Products and Solutions for the Electrical Industry  
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### Technical Services & Capabilities

- Lighting Design by Lighting Certified (LC) Professionals
- DataComm Solutions and Networking
- Power Distribution Design and Layout
- Automation Design
- Energy Analysis and Rebate Programs
- Storeroom & Jobsite Inventory Management
- Custom Enclosures and Back Panels
- Recycling Compliance Program
- MRO Services
- Emergency After-Hours Service
- Online Ordering and Account Management
- Electrical Maintenance, BICSI Certification, Safety, and Automation Skills Training Programs



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Service Provider**

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