



Winter/Spring 2026 Course Catalog

Industrial Safety Logistics Medical Leadership Computer



Bureau of Workers' Compensation



FostoriaLearningCenter.org



WORKFORCE TRAINING PROGRAMS

Basic Electricity

January 27-29, 2026 8 a.m. to 4 p.m.

Length 24 hours

\$1800 per student

Basic Electricity I is an introductory electricity course for skilled trade's personnel. The course is a study of DC and AC electricity principles, with a practical approach to applications in an industrial environment. The learner will obtain a knowledgeable understanding of the key symbols and abbreviations associated with the electrical trade, acquire a comprehensive understanding of basic electrical terminology, apply Ohm's Law to a number of relevant electrical applications, and synthesize a number of components into a working system involving series, parallel, and series parallel circuits. (Tech Cred Eligible: Basic Electricity).

Advanced Electricity

February 17-19, 2026 8 a.m. to 4 p.m.

Length: 24 hours

\$1800 per student

Advanced Electricity II is an advanced study of industrial electricity providing comprehensive coverage of the control devices used in contemporary industrial electrical systems. The focus of this course is to provide the architecture for acquiring the knowledge and skills required in an advanced manufacturing environment. The course builds on electrical concepts from Industrial Electricity I and adds motor theory, building on circuit fundamentals and reinforcing these with practical hands-on labs designed to reinforce the concepts and provide control systems design experience. These topics will be delivered through text, presentations and various exercises, and hands-on labs. (Tech Cred Eligible: Industrial Electricity)



WORKFORCE TRAINING PROGRAMS

PowerFlex 525 VFD Troubleshooting

February 11-12, 2026 8 a.m. to 4 p.m.

Length: 16 Hours

\$1600 per person

This course is designed to train personnel responsible for the operation and basic troubleshooting of the Variable Frequency Drive systems, in order to become more effective troubleshooters in production equipment. The trainees will learn how to wire, program and trouble shoot the Allen Bradley 525 VFD hardware.

AC Motor Basics

- Reversing and Speed Variable
- Construction and operation
- Nameplate data
- Starting and stopping characteristics
- Overloading a motor
- Testing and basic troubleshooting

VFD Basics

- Types of VFD's
- Sections with a VFD
- Terminals on a VFD
- The DC Bus and safety issues
- VFD Converters and DC Bus

Inverter Characteristics

VFD Parameter Basics

-Human Interface Module

Accel, Decel, V/Hz

General drive parameters

- wiring configuration
- Speed control inputs and options
- Allen Bradley drive configuration

Siemens S7 PLC Level I

March 17-19, 2026 8 a.m. to 4:00 p.m.

Length: 24 Hours

\$1800 per person

This Siemens S7 1200 basic course will utilize industrial trainers and the TIA Portal Software providing hands on exercises and learning experiences. The students will learn installation/replacement and how to program & troubleshoot the PLC hardware the first two days. The third day will focus on WinCC HMI software with project creation, communications, graphics, library and alarms.

Lean Six Sigma Yellow Belt

Online Course (10-12 hours)

Course Opens: Call to Register

\$300 per person

This online certification course consists of 12 modules, followed by a quiz. The course focuses on process improvement utilizing Lean Six Sigma methodology. The module topics include, voice of the customer, goal setting and project alignment, team formation, process overview, data collection, establishing baseline metrics, prioritizing problems, implementing solutions, and control plans.



WORKFORCE TRAINING PROGRAMS

Pneumatics (Fluid Power 1)

March 31-April 2, 2026 8 a.m. to 4 p.m.
\$1800 per student

This course is a basic study of the principles of fluid power systems based on industrial applications. This course will have a heavy focus on pneumatic circuit operation and troubleshooting. The student will learn how to interpret a pneumatic circuit print and predict the operation of the circuit. Students will utilize the simulation software, Automation Studio, to understand how each pneumatic circuit operates. The student will also construct and troubleshoot the circuits in a controlled lab environment with industrial grade devices. The student will be introduced to hydraulic circuits, focusing on the safety of working with hydraulic systems and components, and interpreting hydraulic symbols in circuits. The student will also be introduced to controlling a pneumatic circuit with electrical/PLC circuits utilizing the simulation software in an asynchronous format.

FANUC

March 24-25, 2026 8 a.m. to 4 p.m.
\$2000 per student

FANUC Teach (iPendant)

Use diagnostic tools to diagnose a fault from the Teach Pendant.

Jogging the FANUC robot

Jog the robot in JOINT, WORLD, USER, and TOOL.

FRAMES (World, TOOL and USER)

Create a Tool Frame and User Frame.

Teach Pendant Programs

Run a program manually and run a program in AUTO.

Motion Instructions

Create a TP program and add/modify motion instructions.

Teach Pendant Program Editing

Use the edit command menu to modify a teach pendant program.

Inputs and Outputs

Simulate and Force I/O from the FANUC Teach Pendant.

Macros

Execute MACROS from the User Keys, Manual Functions menu, and in Auto.



WORKFORCE TRAINING PROGRAMS

Allen-Bradley PLC Level 1

April 14-16, 2026 8 a.m. to 4 p.m.

Length: 24 hours

\$1800 per student

The course is a study of the installation, programming and troubleshooting of programmable controlled systems currently used in an industrial environment. The focus will be on Installation Programming, Engineering and Maintenance task performed with PLC systems. The primary PLC used for this class will be the Allen Bradley SLC-500 and CompactLogix, using RSLogix 500, RSLogix5000, and RSLinx software. The topics presented will be learned through Online instructional material and hands on labs.

Need Customized Training?

If your organization is seeking a specific training program that isn't currently offered as an open enrollment option, we're here to help! In 2023, we partnered with over 40 organizations to design and schedule customized training programs tailored to their unique needs—exceeding expectations every time. Our office can also assist with securing funding for eligible programs, including TechCred reimbursements, which can provide businesses with up to \$180,000 annually for approved training. Contact us today to explore the training solutions and funding opportunities available to your organization!
(419) 408-5540