



Short Term Electronics and Instrumentation (E&I) Training

No cost to participants. Limited seating available.

Area manufacturers in immediate need of skilled workers partnered with Workforce Solutions of North Central PA to develop a customized Electronics and Instrumentation training program. Workforce Solutions awarded Penn College Workforce Development and Continuing Education funding to create and provide this in-demand training. This 144 hour course will be held through videoconferencing with a strong hands-on component.

E&I is a specialized branch of electrical control and electronics that deals with the measurement, control and automation of processes. Most manufacturers need employees trained in this discipline. With manufacturing processes advancing and becoming more automated, individuals with these competencies will be more valuable and attractive to employers with greater opportunity for advancement.

Dates and Times

September 25 - December 20, 2018

Tuesdays & Thursdays, 10 a.m. - 4:30 p.m.

Location

Marilyn Horne Hall Room 406
University of Pittsburgh at Bradford

Registration

For more information and to reserve your seat, contact Workforce Solutions at 814-245-1835.

COURSE INFORMATION

Topics include:

- Introduction to Electrical Circuits
- Electrical Theory
- Motor Theory & Application
- Grounding & Bonding
- Introduction to PLCs
- Schematic & Ladder Diagram Reading
- Electrical Test Equipment
- Conductor Terminations & Splices
- Circuit Breakers & Fuses
- Motor Control
- Introduction to Variable Frequency Drives

Upon successful completion of the 144 hour program, participants will receive a Penn College certificate of completion and 14.4 CEUs.

COURSE DELIVERY SYSTEM

This course is offered through iris, an innovative computerized web-based delivery system that offers programming locally with minimal participant travel.