

Instrumentation

Class begins with an introduction to the basics of instrumentation, including definition of commonly used instrumentation terms and symbols, and an overview of the physical parameters of industrial measurement and control; pressure, flow, level, and temperature. Covers complex material such as; configuration and calibration, including proper documentation. Both bench calibration of analog instruments and communicating with and configuring digital or “smart” instruments are covered in great detail. The class finishes with fundamental of automated process control, control valves and control valve maintenance, analytical instrumentation, and instrument installation and tubing.

The class concludes with the testing and evaluation process, monitored by the Electric Power Research Institute (EPRI), provides a formal, independent assessment of the knowledge and skills of Journeyman Wiremen.

These certification exams can be locally hosted by JATCs. Successful candidates have been posted to the NJATC’s website and are listed with EPRI for use by prospective employers and utilities requiring pre-employment knowledge assessment in the field of instrumentation.