



21740 State Route 676, Marietta, Ohio 45750

Adult Technical Training
Phone: 740.373.6283
Toll Free: 800.648.3695
Fax: 740.376.2240
www.mycareerschool.com

Measurement and Calibration

96 Hour Training

Instructors: Pat Hulsey, Jack DeVol, Brad Griffin

Total Cost: \$3,000 per employee (Minimum 5 students and a Maximum 12 students)

Credentials and Certifications: Washington County Career Center Certificate of Completion

Training Outline:

Instrumentation I 48

1. Describe various forms of matter and energy and the properties of each
2. Describe the common forms of measurement used in industry and an example of each
3. Know the basic terminology used in instrumentation
4. Describe the common types of instrument communication
5. Properly use Direct Read type instruments
6. Calibrate pressure gauges
7. Describe the basic elements of control systems
8. Describe the operation and proper use of industrial temperature sensors
9. Describe the operation and proper use of industrial pressure sensors

Instrumentation II 48

1. Describe the various types of level sensors used in industry, the advantages and disadvantages of each type and examples of where each type is used
2. Discuss the characteristics of flow and the factors that affect flow
3. List the various types of flow sensors used in industry, the advantages and disadvantages of each type and examples of where each type is used
4. List the various types of weight sensors used in industry, the advantages and disadvantages of each type and examples of where each type is used
5. Perform flow calibrations using a Rotameter and Differential Pressure transmitter
6. Calibrate a magnetic flow meter and build a flow control system
7. Describe the use of transmitters in control systems
8. Describe the operation of pneumatic and electronic transmitters
9. Troubleshoot, repair and calibrate pneumatic and electronic transmitters
10. Describe the functions of recorders and how to properly read data
11. Describe the various types of recorders used in industry, the advantages and disadvantages of each type and examples of where each type is used



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12. Set-up, connect and record data on a recorder
13. Calibrate SMART transmitters

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Washington County Career Center, Adult Technical Training is Accredited by Accrediting Commission for Career Schools and Colleges (ACCSC). ACCSC holds accreditation with US Dept. of Educ. ACCSC sets multiple Standards of Accreditation by which WCCC must comply to ensure quality programs, experienced instructors, optimal graduation rates, and preferred job placement rates.