



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

Valve Technician 1

40 Hour Training

Instructors: Pat Hulsey, Jack DeVol, Brad Griffin

Total Cost: \$2,000 per student. Minimum 4 students and a Maximum 12 students.

Credentials and Certifications: Washington County Career Center Certificate of Completion

Training Outline:

1. Describe the types of applications control valves are utilized
2. Describe the functions of control valves and the use of actuators and positioners
3. Describe the types of linear motion control valves and proper application
4. Describe the types of rotary motion control valves and proper application
5. Describe the types of valve actuators used in industry, their operating characteristics, and an application for each
6. Properly disassemble and assemble a control valve and actuator
7. Describe control valve trim and how it affects flow and capacity
8. Describe the valve leakage classifications
9. Describe the types of packing and seals used in control valves
10. Describe control valve safety and the various hazards associated with the use of control valves
11. Describe the principles of fluid flow
12. List the factors to consider when selecting a control valve
13. List the factors to consider when sizing a control valve for liquid flow
14. List the factors to consider when sizing a control valve for gas and vapor flow
15. List the factors to consider when selecting and sizing an actuator
16. Describe the proper installation and maintenance of an actuator
17. Properly calibrate a valve positioner
18. Properly calibrate instruments using the laptop and AMS system
19. Properly construct and tune a pressure control system
20. Properly construct and tune an electronic cascade control system

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.