



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

Safety Relays and Devices, Maintenance and Troubleshooting

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:

Print Reading 20

1. Symbols
2. 1-Line diagrams
3. Wiring diagrams
4. Schematic Diagrams
5. Reading a print
 - a. Legend
 - b. Keys
 - c. Notes
 - d. Abbreviations
 - e. Equipment location
 - f. Print references

Troubleshooting 20

1. Circuit analysis
2. Troubleshooting equipment in the circuit
3. AC motors
4. DC motors
5. Motor electrical balance and why
6. Motor overloads
7. Motor high voltage / Low voltage connections
 - a. Delta
 - b. Wye
8. How to properly check a motor
9. AC drives
10. DC drives



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

11. Soft starts
12. Across the line starters
13. Relay logic hard wire prints
14. Disconnects
15. Molded case circuit breaker
 - a. Standard
 - b. Programmable
16. RTDs
17. Thermocouples
18. Encoders
19. AC inverter duty motors
20. DC motor speed control

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.