



# Basic Pneumatics - Cullman 9/20/2017

**Start Date: 9/20/2017 8:00 AM**

**End Date: 9/21/2017 5:00 PM**

At the end of this course, the participant should be able to:

- Interpret pneumatic symbols and pneumatic diagrams
- Safely construct basic pneumatic circuits

- Pneumatic safety

- Differences in Pneumatics and Hydraulics

- Basic Pneumatic Principles, air temperature, moisture, contaminants and contaminate removal, volume, pressure, compression, cooling, and the Gas Laws: Boyle's, Charles, Gay Lussac's and Combined Gas Laws

- Symbol reading

- Relief valves,

- Filters, lubricators, and regulators

- Directional control valves

- Flow control valves

- Cylinders and motors

- Compressors

- Flow control valves

- Check valves

- Directional control valves

- Cylinders and motors

- Hands on labs: motor speed control, DCV operation, meter out/in cylinder speed control options, regulating multiple circuits, logic functions, vacuum and cylinder loading

Lunch is included.

## Location(s)

Cullman ATN Center

206 3rd Street SW

Cullman

Alabama

35055

United States