

Pneumatics Technology 2: Course Outline

Category	Fluid Motion
Duration	15 Hours
Software Supplied	PneuMotion simulation software

Activity 1: Getting Started

Activity 2: The Logic Function AND

Activity 3: Implementing AND in a Pneumatic Circuit

Skill 3A: Implementing AND

Activity 4: The Toggle Valve

Activity 5: Using AND to build a Fully Automatic System

Skill 5A: Fully Automatic Systems

Activity 6: The Logic Function OR

Activity 7: Implementing OR in a Pneumatic Circuit

Skill 7A: Implementing OR

Activity 8: Circuit with Two Double-Acting Cylinders

Activity 9: Sequential Cycle

Skill 9A: Sequential Cycles

Activity 10: A Delay

Activity 11: Sequential Control with a Timed Delay

Skill 11A: Timed Delay

Activity 12: Opposing Control Signals

Skill 12A: Opposing Control Signals

Activity 13: Timing Diagrams

Activity 14: Using a Single Pilot Valve to Prevent Opposing Control Signal

Activity 15: Using a Single Pilot Valve in a Pneumatic Circuit

Skill 15: Single Pilot Valves