



# Product Fundamentals

## Product Fundamentals:

1. Introduction (1-hr)
2. HVAC Terminology (1-hr)
3. Air Handlers: (8-hrs)

Design and Selection Considerations for the following sub-components:

1) Air Blender	7) Economizer	13) Intake
2) Blank-Access-Turn	8) Face & Bypass	14) Filtration
3) Coil	9) Face Damper	15) O.A. Monitoring
4) De-humidification	10) Fan & Motor	16) Moisture Eliminator
5) Diffuser	11) Heat Recovery	17) Multizone
6) Discharge Plenum	12) Humidification	18) Heat

4. FanCoils (2-hrs)
5. UVs (2-hrs)
6. WSHP (3hrs)
7. RTU (3hrs)
8. Chillers (4-hrs)
  - a. Compressor Technologies
  - b. Application
  - c. Life Cycle Cost Consideration

**Purpose:** This training will help you understand the basic subcomponents that make up each of the products detailed above. We will discuss various design parameters that need to be considered when applying this type of equipment. Throughout this course, we will regularly discuss the 'first-cost' vs. 'operating costs' ramifications of each possible choice.