

Course Offerings

- **Psychrometrics Fundamentals** – A review of the psychrometric chart and some standard processes/uses.
- **Specifying Rooftop Systems** – Key points for successfully specifying mechanical equipment. Highlights critical information from the post design viewpoint (controls, project documents, etc).
- **Energy Recovery** – A review of energy recovery types, wheel effectiveness, frost control misconceptions, and important considerations.
- **Single Zone VAV** – Why Single Zone VAV and the importance of each option to go with it?
- **DOAS Systems** – Why use DOAS? – Sizing systems, advantages, and disadvantages.
- **Control Strategies** – A review of common RTU control strategies, considerations, and options.
- **VRF and ASHRAE 15** – Bigger is not always better! VRF design and code
- **Energy Chiller Efficient Design** – Challenging old standards based on simulated software analysis, controls, chiller plant optimization
- **Why (Not) 55 Degrees?** – A review of designing around proper leaving air temperatures.
- **Why Comfort?** – A look at the true cost of poor air quality to owners and the value engineering challenge faced by HVAC design teams.
- **Don't oversize!** – Dehumidification and the importance of modulating compressors.
- **Pool Design & Tools** – An overview of key aspects for successful pool design. Includes design considerations, equipment options, examples, and existing site evaluation.
- **DX Fundamentals** – A review of the refrigeration cycle, types of compressors, condensers, reheat, and design considerations.
- **Grow Facilities: The Basics** – A review of cannabis facilities from an industrial HVAC standpoint. Covers common room types, room conditions, design considerations, and past projects.

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