

### BUILDING SYSTEMS ESSENTIALS

#### Course 1: Air Conditioning & Refrigeration Systems

Half-Day In Class Seminar

BOMA Ottawa, in partnership with Algonquin College, are proud to offer again an education series for building operators and other professionals in Commercial Real Estate.

The Building Systems Essentials is a series of half day “hands-on” seminars aimed to help Building Operators better understand the latest in how buildings function or to provide an overview to Commercial Real Estate professionals to better represent their buildings.

#### COURSE OUTLINE:

The first course of the series is an overview of Air Conditioning and Refrigeration systems. The half day will be provide with general knowledge and a good understanding of the following:

- Principles of Refrigeration
- Air Conditioning Process
- Types of Air Conditioning Systems
- Central Plants (Chillers and Cooling Towers)
- System Components (compressor/condenser/evaporator)
- System Operations (free cooling, efficiency techniques, scheduling, etc.)
- Controls
- Maintenance procedures and checklists
- Relevant Acts, Standards, Codes, and Regulations
- Safety Precautions and Environmental Concerns (Air Borne Diseases)

The course material is developed by BOMA Ottawa together with Algonquin College and will be delivered by an Algonquin College instructor in their state of the art **Downtown Learning Centre**.

Registrants will receive course material and final instructions directly from **Algonquin College**.

**Scott Howes** is a Engineering Specialist with extensive experience and knowledge in Building Automation Controls and in HVAC technology. Scott has been in the Building Controls Industry for over twenty years in the Ottawa area.

In addition, Scott has been a Professor of part-time studies at Algonquin College since 2010 for the Building Environmental Systems Operator Class II program. Scott has a Bachelor of Science Degree in Industrial Electronics from Sam Houston State University.

#### Air Conditioning & Refrigeration Systems



[Register on Line](#)

**WHEN:** February 15, 2024 8:30 a.m. to 12:00 p.m.

**WHERE:** Algonquin College Downtown Training Centre  
700 Sussex Drive  
(corner of Sussex/Rideau across from Rideau Centre)

**COST:** \$350.00 plus HST (Total \$395.50)

#### Other Courses in the Series

1. Air Conditioning & Refrigeration
2. Water Treatment & Fire Protection
3. Air Handling Systems
4. Building Control Systems
5. Heating Systems
6. Energy Efficiency for Buildings
7. Building Electrical Systems

Questions? Contact BOMA at [administration@bomaottawa.org](mailto:administration@bomaottawa.org)

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