

Instructors

Algonquin College is the largest college in Eastern Ontario. Dedication to student success is Algonquin College's guiding principal and is demonstrated through the quality of its programs, staff, the continual expansion of its facilities, and by forging strategic partnerships. Every action since the College was established in 1967 has been to ensure students have access to the education and skills training demanded by the marketplace to launch a rewarding career.

Ken Messervey has over 18 years' experience working in the mechanical, electrical, maintenance field. His work experience also includes 12 years as a Preventative Maintenance Chief with The Ottawa Carleton District School Board. He has worked extensively with all areas of preventative maintenance. Ken works closely with all departments within the board including EMC (Energy Management Centre), D & C (Design and Construction), and the maintenance division and has helped lead multiple energy conservation initiatives within the board.

KEN MESSERVEY



BOMA-Algonquin College Building Systems Essentials *For Building Operators*



Upcoming Seminars

- AIR CONDITIONING SYSTEMS
15 February, 2018
- WATER TREATMENT & FIRE PROTECTION
19 April, 2018
- AIR HANDLING SYSTEMS
17 May, 2018
- BUILDING CONTROL SYSTEMS
21 June, 2018
- HEATING SYSTEMS
20 September 2018
- ENERGY EFFICIENCY FOR BUILDINGS
18 October, 2018
- BUILDING ELECTRICAL SYSTEMS
15 November, 2018

BOMA Ottawa, and Algonquin College are pleased to present a series of seminars specifically for Building Operators.

These 7 half day seminars are based on curriculum from the Building Environmental Systems Program.

Developed by the staff of Algonquin College and the BOMA Education Committee, each of the 8 Seminar Topics are offered over an 18 month period approximately one per month.

All classes are conveniently located at the downtown Algonquin College Corporate Training Centre in Constitution Square, and led by certified instructors from Algonquin College.

For more information contact

BOMA Ottawa at 613-232-1875 or administration@bomaottawa.org

Building knowledge one course at a time.

Course Outlines



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AIR CONDITIONING SYSTEMS

This seminar discusses in more detail building air conditioning and refrigeration systems. Participants will receive instruction on the many aspects of building air conditioning systems including the air conditioning process, central plants, system components, system operations, controls, and maintenance procedures, relevant Acts, Standards, Codes and Regulations, Safety Precautions and Environmental Concerns.

WATER TREATMENT & FIRE PROTECTION SYSTEMS

This seminar combines water treatment and fire protection systems to provide participants with a good understanding of these systems and how they impact the operation and safety of commercial properties. Topics covered will include water and humidification systems, water treatment, water efficiency, chemical handling, fire alarm and sprinkler systems, exhaust systems, maintenance procedures and record keeping requirements, relevant Acts, Codes, Standards and Regulations and health and safety procedures. The seminar will also discuss new upcoming standards for Intelligibility and Audibility.

AIR HANDLING SYSTEMS

Operation and maintenance of commercial air handling systems are the focus of this seminar. Building Operators will be provided with a general knowledge and good understanding of the many components and maintenance requirements of these systems including principles of air flow, supply, return and exhaust systems, ventilation requirements, duct design considerations, indoor air quality assessments, seasonal requirements, occupancy limits, relevant Acts, Codes, Standards and Regulations, Regulator Authorities and more.

BUILDING CONTROL SYSTEMS

This seminar provides an introductory look at the control systems and devices that can be applied in the operation of commercial properties. Participants will gain a basic understanding of efficiency and control strategies and how the following can be used to implement such strategies: sensors, controllers and control devices, control types, building automation systems, control system integration, maintenance procedures, relevant Acts, Codes, Standards and Regulations and safety precautions.

HEATING SYSTEMS

This seminar covers the operation and maintenance of commercial heating and air handling systems. Topics discussed will include an overview of the types of heating systems available, system components and construction, heat distribution, system operations and efficiency techniques, maintenance procedures, relevant Acts, Codes, Standards and Regulations, Regulatory Authorities, and safety precautions.

ENERGY EFFICIENCY FOR BUILDINGS

This seminar will provide operators with increased knowledge and awareness of the many ways that increased energy efficiency can be achieved in commercial building operations. The seminar will provide an overview of the building envelope and the building as a system. It will also discuss energy audits and retro-commissioning, lighting systems and controls, IESP pricing, Smart metering, natural gas applications, water conservation opportunities, co-generation and renewable energy, tenant energy use and tenant engagement. Participants will also learn how to develop a business case to determine simple payback and return on investments and how to successfully implement opportunities for increased efficiency.

BUILDING ELECTRICAL SYSTEMS

This seminar introduces the fundamental concepts and principals of electricity in the following areas of instruction: electrical system components, arc flash, emergency power supply, system maintenance, switch poles and throws, electrical testing and troubleshooting, relevant Acts, Codes, Standards and Regulations, Regulatory Authorities and Health and Safety procedures.