



MECHANICAL CONTRACTING BASICS (MCB) SEMINARS

Blake Wentz



Mechanical Contractors Association of America, Inc.
1385 Piccard Drive Rockville MD 20850 T 301 869 5800 F 301 990 9690 MCAA.ORG



Mechanical Contracting Basics (MCB) Seminars

MCB 100: 4 hours, in-person and online

HVAC Basics

This course will explore the different mechanical systems that are typically found in buildings such as hydronic systems, forced air systems, VAV systems, and VRF systems. The focus of this session will be on identification of components and terminology.

MCB 101: 4 hours, in-person and online

HVAC Applications

Examples and activities will help attendees apply a systematic approach to the review and understanding of mechanical systems as well as understanding the purpose and design of the systems. Common coordination and procurement issues will also be addressed.

MCB 102: 4 hours, in-person and online

Plumbing Basics

This course will explore the different plumbing systems that are typically found in buildings such as potable water systems, Drain/Waste/Vent systems, and storm drain systems. Different types of materials used for various piping systems will also be reviewed.

MCB 103: 4 hours, in-person and online

Plumbing Applications

Examples and activities will help attendees apply a systematic approach to the review and understanding of the plumbing drawings and systems as well as understanding the purpose of the design of the systems. Common coordination and procurement issues will also be addressed.

MCB 104: 4 hours, in-person and online

Fire Protection Basics

This course will explore the different fire protection systems that are typically found in various types of buildings. This session will focus on identification of components, types of materials used, and basics of the Fire Protection Code.

MCB 105: 4 hours, in-person and online

Fire Protection Applications

Examples and activities will help attendees apply a systematic approach to the review and understanding of the fire protection drawings and systems as well as understanding the purpose of the design of the systems. Common coordination and procurement issues will also be addressed.

MCB 106: 4 hours, in-person and online

Mechanical Blueprint Reading

This course will explore the various blueprints that are used in a construction project relating to the HVAC, Plumbing, and Fire Protection scopes of work. Typical symbols and drawing conventions will be reviewed, as well as examples of details and notes that can have significant impacts on a project.



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About the Instructor:

Dr. Blake Wentz has a Bachelor's degree in Finance and a Master's degree in Engineering from the University of Nebraska, and a PhD from Indiana State University. He owned and operated his family's mechanical contracting business, Wentz Plumbing and Heating, in Lincoln, NE for five years before becoming a college professor, completing various projects throughout Nebraska, Iowa and Kansas.

He was a professor at the Milwaukee School of Engineering (MSOE) for 15 years, serving as the Director of the Construction Management Program for 5 years and was also the Chair of the Civil, Architectural Engineering & Construction Management Department from 2014-2020. Dr. Wentz then became of the Dean of the College of Engineering, Computer Science & Construction Management at California State University, Chico, serving in that role until 2023.

Dr. Wentz was the faculty advisor for the Mechanical Contractors Association of America (MCAA) Student Chapter at MSOE, whose competition teams have qualified for the National Finals nine times, winning the National Title in 2011, 2013 and 2019. He was named National Educator of the Year for the MCAA in 2011, 2012, 2015 and 2018. Dr. Wentz currently serves as the President of the Associated Schools of Construction, an international organization of over 160 universities across the world that focus on the advancement of construction education. He is also involved in consulting activities and has been an expert witness for construction legal disputes and is a co-author of a textbook titled "Construction Law for Design Professionals, Construction Managers and Contractors."

In his spare time Dr. Wentz is an avid tennis player, he was a member of the varsity tennis team at the University of Nebraska from 1995-1999. He is also a car enthusiast who not only enjoys working on cars but track racing cars as well.

Contact Information:

Contact Dr. Wentz at **414-207-6118** or blake@wentzconsulting.com.

About the National Education Initiative (NEI):

MCAA will bring lifelong learning directly to you! The National Education Initiative Seminars are our best MCAA/MSCA programs—brought to your local association or even your company. Our goal is to provide ongoing and advanced education and training in support of individual and association growth across the mechanical contracting industry. We offer standard and custom-designed classes exclusively for your association or company's unique needs and challenges. If you need training quickly or have a large group, we are here to help!

For more information or to schedule a course:

Contact **Priya Nirmal** at **301-869-5800** or pnirmal@mcaa.org.



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