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The Electrical Board of Missouri and Illinois

Vol. 115 No.08

Aug 2024

Education Programs Spotlight

Understanding Motor Controls Set to begin Sept. 10 2024

This course is designed to teach a fundamental understanding of standard Motor Control terminology and equipment design. Click [here](#) for full details and to register.

Begins: Sept 10th, 2024
Ends: October 29th, 2024
Tues. 6pm-8pm



Instructor: Dan Asaro with Frost Supply

Understanding Motor Controls

This course is designed to teach a fundamental understanding of standard Motor Control terminology and equipment design. The basic operation of various motors will be presented. The major emphasis of this course will be to understand how and why to correctly control a motor. Considerable emphasis will be placed on reading the physical motor control connections to verify on drawings and how they interrelate in the schematic or ladder diagrams. Components discussed in this course will include, but not be limited to, circuit breakers, disconnects, fuses, starters, relays, timers, limit switches, push buttons, starting transformers, and enclosures.

1. Introduction and Objectives
2. Control Schematics and Common Symbols
3. Magnetic Control Topics
4. Control Protection Principles
5. Other Controls and Pilot Devices
6. Motor Starting Facts
7. Sequencing and Application notes
8. Review and Final Exam

PDH: 16

Times and Dates: Begins: Sept 10th, 2024
Ends: October 29th, 2024
Tuesday 12 PM - 8 PM
8 Sessions

Location: Frost Supply | 2429 Schuets Rd. | Maryland Heights MO 63043

Instructor: Dan Asaro | Frost Supply

Tuition and Fees: Tuition due by August 27, 2024

| | |
|--|-------|
| Employees of non-member firms | \$300 |
| Employees of EBSE member firms | \$300 |
| Late Fee (additional \$20, Paid after August 27th) | \$50 |

Click HERE to register

Understanding the National Electrical Code Begins Sept. 9th FULL-Waiting list available

Based on 2023 NEC | This detailed course is designed to unlock the mystery, clarify the gray areas, and the how and where to apply the code. Click [here](#) for full details.

Begins: Sept 9th, 2024
Ends: Feb 10th, 2024
Tues. 6pm-9pm

Instructor: Michael Smith with Vision Electric

Understanding the National Electrical Code (Based on 2023 N.E.C.)

This course fills up quickly. Please register and pay as soon as possible if you are interested. Limited space available.

This detailed course is designed to unlock the mystery, clarify the gray areas, and the how and where to apply the code. This class is based on the 2023 N.E.C. A study manual and workbook with questions are included in the class fee.

City: 8 code PDH: 60

Time and Date: Begins: Sept 9th, 2024
Ends: Feb 10th, 2025
Mondays 6 PM - 9 PM
20 Sessions

Location: EBME Office | 900 S. Highway Dr. | Suite 203 | Fenton MO 63026

Instructor: Michael Smith | Vision Electric

Includes: Study manual and workbook, certificate of completion or attendance, and registration fee if a non-eligible EBSE fee

Tuition and Fees: Tuition due by Aug 26th, 2024

| | |
|---|-------|
| Employees of non-member firms | \$675 |
| Employees of EBSE member firms | \$615 |
| Late Fee (additional \$20, Paid after April 15th) | \$50 |

Required: A 2023 Code book. Add \$150 if you would like one to be provided. Select "Please order 2023 Code book" on registration form. Order must be placed by Aug 20th.

Tuition for books - (optional) \$27

Click HERE to register

Business Communication Seminar Sept. 24th

This seminar provides an overview on professional communication skills. Click [here](#) for full details and to register

Begins: Sept 24th, 2024
8.30AM-11AM

Instructor: Mark Serafino | Sincerely Speaking LLC

Business Communications

This seminar provides an overview on professional communication skills which will focus on:

- The importance of developing good listening skills
- How to ask open ended questions
- How to disagree without an argument
- How to prepare for difficult conversations
- Using social media and technology to establish and reinforce your brand.
- Refining your personal brand with your organization's
- How to read the room and communicate accordingly
- The art of asking open-ended questions
- Planning what to say before you do.
- Communicating with sincerity

The course is interactive with participants and is ideal for all positions within an organization.

PDH: 2

Time and Date: September 24, 2024
8:30 AM - 11 AM
Seminar duration: 2.5 hrs.

Location: EBME Office Suite 301 | 900 S. Highway Dr. | Fenton MO 63026

Instructor: Mark Serafino | 314.753.9267 | Sincerely Speaking LLC

Tuition and Fees: Tuition due by September 20, 2024

| | |
|---|-------|
| Employees of non-member firms | \$195 |
| Employees of EBSE member firms | \$175 |
| Late Fee (additional \$20, Paid after September 20th) | \$50 |

Click HERE to register



Thank you to our members for supporting the upcoming **AMEREN MISSOURI- EBMI Clean Energy Symposium**
REGISTER [HERE](#)



Program Details:
Friday, 23rd August 2024 | 8AM- Noon
Ameren Auditorium | 1901 Chouteau Ave.

Moderated By Brad Haley
Key Account Executive at Ameren Missouri
EBMI- Ameren Missouri Task Force Committee
Chairperson

AMEREN SUSTAINABILITY JOURNEY
Kisha Hines
Director, Corporate Sustainability | Ameren

ENERGY AUDITS & THERMAL BATTERIES -KEY STEPS ALONG THE PATH TO CARBON NEUTRAL
Adam Phillips | Jarrell Mechanical Contractors

CARBON REDUCTION MEASURES
Sanjeev Khanna
Professor, Mechanical & Aerospace Engineering | Director, Midwest Industrial Assessment Center at University of Missouri

JOURNEY TO RENEWABLE ENERGY
Ronald Stella
Senior Sustainability Analyst
LEED Green Associate
Accredited Airport Executive (A.A.E) | Boeing

LOW CARBON TECHNOLOGIES
Mark Fronmuller
Senior Vice President
Corporate Development,
Environmental Strategy at Ameren



Calendar of Events

2024

| | |
|---------------|---|
| August 23rd | Ameren Missouri Clean Energy Symposium |
| Sept 9th | Fall Classes Begin |
| Sept 9th | Understanding the National Electrical Code- begins. |
| Sept 10th | Understanding Motor Controls- begins. |
| Sept 24th | Business Communications |
| Sept 26th | EBMI Board Meeting |
| Sept 30th | GolfFest -Crescent Farms |
| October 11th | Ameren Missouri Electric Power Topics |
| October 18th | Harsh and Hazardous Area Locations seminar- |
| October 22nd | Presentation Skills for Engineer and/or Technical Specialists |
| October 26th | EBMI-Vets BBQ at VA St. Louis Health Care |
| November 7th | Lighting Controls for Non-Residential Buildings. |
| November 12th | Managing Sales Customer Service |
| November 19th | ARC Flash & Electrical Safety |
| December 5th | 2024 Christmas Mixer |
| December 12th | EBMI Board Meeting |

2025

| | |
|---------------|--|
| February 6th | Grounding course begins |
| February 11th | Leadership course |
| February 13th | Fundamentals of Electrical Theory- begins |
| February 18th | Practical Applications of Electrical Equipment & Devices- begins |
| February 19th | Reading Electrical Construction Drawings begins. |

Call EBMI at 636.305.6434 or email events@electricalboard.org click [here](#) for more information on any of our events.
Register for classes by clicking on links provided in the course catalog. Click [here](#) for full course catalog.
Minimum # of attendees are required to host classes.
Please register early.

STAYING CONNECTED

Personnel Service

allows our members to advertise employment opportunities at no charge and these are also listed on our website. For UpToDate listings, [Click here](#).



JOB OPPORTUNITIES

Contact EBMI office for more information.

08072024- Project Manager

ECC Electric Controls Company is seeking a Project Manager

Electrical contractor is seeking an experienced Project Manager to oversee the day-to-day construction activities and successful execution of single or multiple projects for the water and wastewater construction and service market. The Project Manager is responsible for managing the construction project safety, quality, schedule, cost control, subcontractors, suppliers and field team members. The ideal candidate should possess excellent time management, communication and leadership skills. The position assists with developing the project scope and schedule, project documentation and budget. Experience in managing others to reach project goals and clients' expectations in an efficient manner is a must. Travel is required to job sites in all types of terrain and weather conditions, as well as project sites in various stages of construction.

Duties and Responsibilities:

Determine project roles, responsibilities and deadlines for each field team member
Ensure the project is being completed within the established schedule and on budget
Coordinate changes and identify solutions.
Provide the field team members with support and leadership to encourage commitment and productivity.
Create progress and completion reports for upper management detailing objectives were met.

Qualifications:

Master Electrical license or equivalent knowledge and knowledge of electrical code
Interface with union electricians, contractors and customers
Two to four years' related water and wastewater treatment experience with emphasis on construction preferred.
Installation/commissioning experience with pressure-level-flow instrumentation and pump controls/solid state motor controls is a plus.
Ability to physically navigate a construction jobsite. May involve use of ladders, inspection of ditches, use of personal safety equipment.
Ability to read electrical schematics.
Excellent communication and organization skills.
Working knowledge of Microsoft Office software.
Must be able to meet the Company's driving requirements.
Additional degrees or certifications a plus.
Website is <https://www.eccstl.com/>



The Electrical Board officers and staff express our sincere condolences to the family and friends of **Jim Knabe**. Jim was with **Bick/EDF** for 30 plus years as an Electronic Engineer and Senior Siemens Systems and Fire Alarm Designer and Account Manager.

Click [here](#) for James' Obituary.



JOB OPPORTUNITIES (Continued)

04012024- Training Director

Independent Electrical Contractors, IEC is seeking a Training Director.

Position Key Role

The Training Director has the essential role of overseeing all IEC Apprenticeship and Training activities and providing the necessary planning and implementation for all training-related activities (both classroom-based and web-based). This includes the hiring, supervision, and development of instructors; overseeing all facets of instruction (including curriculum enhancements and supplementary training materials and equipment); and the ongoing development of lab facilities and exercises. In addition, the Training Director will assist in implementing the Chapter's workforce development initiatives, and in the creation and execution of a wide variety of other specific training classes and programs as directed.

Website is www.iecstl.com.

To apply, applicants should send their resume and copies to: Kelly Hewitt | Executive Director | kelly@iecstl.com



Schaeffer Marketing Group, Inc. is excited to announce that we will now be representing

Prysmian/Encore Wire Corp!

As those organizations come together, Schaeffer Marketing Group will be responsible for the Industrial and Construction markets of both lines, now North America's most comprehensive portfolio of products for construction and infrastructure applications.

Territory served will include the traditional Encore Wire territory of eastern MO and central/southern IL. Please visit smgprep.com for more information.

September 30th | Crescent Farms | 12:30 Shotgun Start

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30TH ANNUAL SHOTGUN START/SCRAMBLE

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The
**Electrical
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and Illinois

EMERGING EBMI MEMBERS



**Thank you Bryan Shannon
BHMG Engineers, Inc., for hosting the
Emerging EBMI Member committee meeting
in July.**

- Kevin Bridick—Compass Electrical Solutions,
(Co-Chair)
- Rich Sanders— Lester Sales Company (Chairperson)
- Ryan Meyer— HOLT Electrical Supplies
- Christina Grimm— Eaton (Co-Chair)
- Sydney Bates—Eaton
- Bryan Shannon— BHMG Engineers, Inc.

Thank you Rich Sanders for leading with the objectives and establishing the goals of this group. They collaborated and contributed to setting an engaging agenda for the 2024-2025 EBMI membership year.

They are dedicated to determining resources that will benefit our members, creating networking opportunities to grow and expand.

Stay tuned for future events and education opportunities developed and coordinated by this dynamic group.

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Ready to get started? Contact us today to secure your spot in the next issue of *The Flash* and make sure your news reaches the right people. info@electricalboard.org.



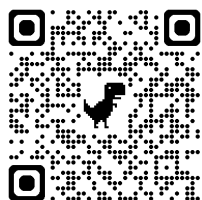
Women's Electrical Board: Empowering Women in the Industry

This summer, the Women's Electrical Board (WEB) has been buzzing with activity as our dedicated committee chairs have been hard at work planning a series of informative programs and engaging networking opportunities.

WEB provides a dynamic platform for women in the electrical industry to connect, learn, and make a difference.

Whether you are looking to expand your professional network, gain industry insights, or contribute to impactful community projects, WEB offers the perfect environment to do so.

SEPT 17th is the first meeting of the 2024-2025 session. Location TBD. Click [here](#) for more information about joining WEB.



EBMI VETS

Join Us in Serving Those Who Served: Volunteer Opportunity at Jefferson Barracks VA Medical Center— Oct 26th

We invite all members to volunteer for our upcoming BBQ at the Jefferson Barracks VA Medical Center on October 26th. This event, hosted by our EBMI VETS group, is a chance to give back to those who have served our country.

We extend our gratitude to those who contributed to the Sportsman's Holiday Golf tournament, helping us to raise the funds needed to make this BBQ reality. Your support ensures we can provide a day of good food and great company.

Contact us today at info@electricalboard.org for more information.

Let's come together to honor and serve our veterans!



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THANK YOU TO ALL OUR VOLUNTEERS!

The mission of The Electrical Board of Missouri and Illinois is to provide services which develop, improve and preserve business opportunities for our members in the electrical industry.

We could not provide these services and resources with out all who contribute their time and ideas!

Contact us today if you are interested in serving on a committee or learn more about opportunities available to serve.

info@electricalboard.org



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