

Business & Industry Services Electrical CEU Series



BUSINESS & INDUSTRY SERVICES

This course is designed to cover the content of the National Electrical Code (NEC) in small “bite-sized chunks” for the learner to enhance their knowledge of the NEC to prepare for an exam or to apply toward continuing education with an existing license. Course topics have been approved by the Wisconsin Department of Safety and Professional Services (DSPS) for 3 CEUs each. We are also applying for Iowa continuing education.

- Scheduled the second Thursday of each month, 5:00-8:00 pm at the Southwest Tech Room 493. Registration Fee: \$40/course.
 - 12-Month Package Discount - \$400, must register for all 12 classes (June 2015-May 2016).

Preregistration one week in advance of course date is required. Registration online is preferred www.swtc.edu/bisreg. Courses may be canceled due to low enrollment. If you register, you will be contacted regarding any cancellations. You may contact Business & Industry Services for additional information or assistance bis@swtc.edu or 608/822-2360.

All training is an instructor led journey through the code...

- June 11, 2015 - Electrical CEU series: Motor Applications (3 hours) Articles that apply to motor circuit installations and applying them to sample problems on the board.
- July 9, 2015 - Electrical CEU series: Motor Controllers and Adjustable Speed Drives (3 hours) Articles that apply to motor controller and adjustable speed drive installation and setup.
- August 13, 2015 - Electrical CEU series: Requirements for Generators and Standby Power Systems (3 hours) Several articles throughout the code focusing our attention on generators and standby power systems. We will look and code applicable articles, installation best practices using the Mike Holt resource handout as our guide.
- September 10, 2015 - Electrical CEU series: Article 220 Branch Circuit, Feeder and Service Calculations (3 hours) Article 220, branch circuit, feeder and service calculations. Students will learn about, and calculate all the different loads for ranges, dryers and services.
- October 8, 2015 - Electrical CEU series: Calculations (3 hours) Practicing many of the calculations used commonly throughout the NEC.
- November 12, 2015 - Electrical CEU series: Articles 100 & 110 including fault current calculations (3 hours) Articles 100 and 110 with a primary focus on fault current calculations.
- December 10, 2015- Electrical CEU series: A walk through the Second Half of the NEC Articles 500-760 (3 hours) Several articles throughout the code focusing our attention on the special installation portion of the NEC book. We will discuss special occupancies, pools and spas, fire alarm, RV parks, temporary wiring, low voltage cabling, PV system requirements to name a few.
- January 14, 2016 - Electrical CEU series: Grounding (3 hours) Article 250 electrical grounding
- February 11, 2016 - Electrical CEU series: Hazardous Locations (3 hours) Articles that apply to hazardous location installations.
- March 10, 2016 - Electrical CEU series: Conductor Sizing (3 hours) Articles and applying them to sample problems put on the board.
- April 14, 2016 - Electrical CEU series: Branch Circuits (3 hours) Article 210 branch circuits.
- May 12, 2016 - Electrical CEU series: Box and Raceway Selection and Sizing (3 hours) Various articles discussing the correct selection and sizing of different boxes and raceways.