

Brief Bio

I am a State of Iowa Electrical Examining Board Approved Instructor and a licensed Class A master electrician with over 45 years of experience in all areas of the trade. Teaching is one of my greatest passions and I love passing on my knowledge and skills to others. I taught electrical apprentices for the Associated Builders and Contractors of Iowa for 30 years. Other classes I currently teach include the National Electrical Code Update, license exam preparation, grounding and bonding, electrical theory, electric motors, transformers, motor controls, health care facilities wiring, troubleshooting, residential wiring, commercial and industrial wiring, agricultural wiring, ampacity calculations, conduit and box sizing calculations, voltage drop calculations, commercial service calculations, overcurrent protection, the NEC for PV installers, swimming pool wiring, and arc flash safety. I have taught classes for seven Iowa community colleges, many Iowa industries, the University of Iowa, UI Hospitals and Clinics, the VA Medical Center, and private classes for electrical contractors. I am also a past president and the current membership chair of the International Association of Electrical Inspectors, Iowa Chapter. On an unrelated note, I am a two-time inductee into the Iowa Rock-and-Roll Hall of Fame.

Résumé

Education

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| May 1968 | Buena Vista College (now Buena Vista University), Storm Lake IA BA Music Education (cum laude); certification in mathematics education |
| Fall 1987 – Spring 1993 | Kirkwood Community College, Iowa State University, The University of Iowa Undergraduate courses in electrical and computer engineering |

Work experience (electrical)

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| Feb. 1975 – May 1977 | Klein Electric Inc., Storm Lake IA Apprentice, journeyman |
| June 1977 – June 1995 | Town & Country Electric Inc./Dewitt Electric Inc., Iowa City IA Journeyman, master electrician |
| May 1995 – present | Chambers Electric, Inc., Iowa City IA Owner and president |

Teaching experience

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| 1968 – 1972 | Instructor, school vocal and instrumental music |
| 1980 – 2009 | Instructor, electrical apprenticeship program, Associated Builders & Contractors (ABC) of Iowa |

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| 1991 – present | Instructor, National Electrical Code update classes, Kirkwood Community College, City of Iowa City, Iowa Chapter IAEI, |
| | Iowa Valley Community College, Northeast Iowa Community College |
| 1996 – present | Instructor, journey person & master electrician exam preparation classes, Kirkwood Community College, Indian Hills Community College, Northeast Iowa Community College. |
| 2007 – present | Instructor, classes in electrical theory, motors & transformers, electrical safety, motor controls, troubleshooting, grounding & bonding, license exam prep, the NEC for solar PV installers, raceway and box sizing, ampacity calculations, overcurrent protection, residential & commercial wiring, Kirkwood Community College, Whirlpool/Amana Refrigeration, Rockwell Collins, Eagle Window and Door, Iowa Valley Community College, Northeast Iowa Community College, North Iowa Area Community College, Indian Hills Community College, Hawkeye Community College, Des Moines Area Community College. |

Professional memberships, licenses, awards, and certifications

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| 1976 | Journey person's license granted (Storm Lake IA) |
| 1977 | Journey person's license granted (Iowa City IA) |
| 1981 – 1983 | Iowa City Electrical Board, member and chairman |
| 1983 - present | Master electrician's license (Iowa City IA examination) |
| 1995 - present | Master electrician's license (Block & Associates examination) |
| 1995 - present | International Association of Electrical Inspectors (IAEI), Iowa Chapter, member and code panelist; executive board member 2003 – present); president (2007-08) |
| 1999 | Nominated for Craft Instructor of the Year award by ABC of Iowa |
| 2003 - present | National Fire Protection Association (NFPA) member |
| 2008 – present | Iowa Electrical Examining Board, certified code instructor |
| 2010 – present | Class A master electrician's license (Prometric examination) |