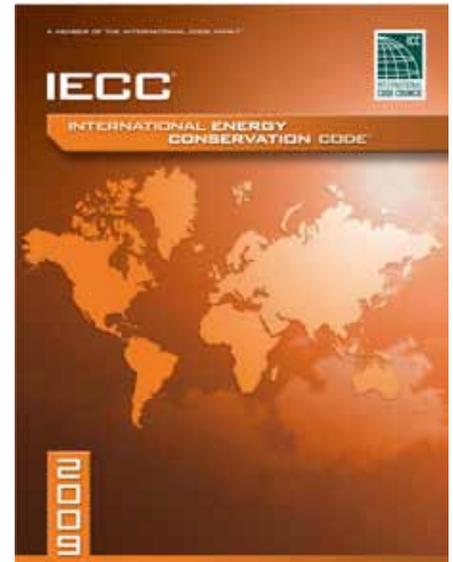


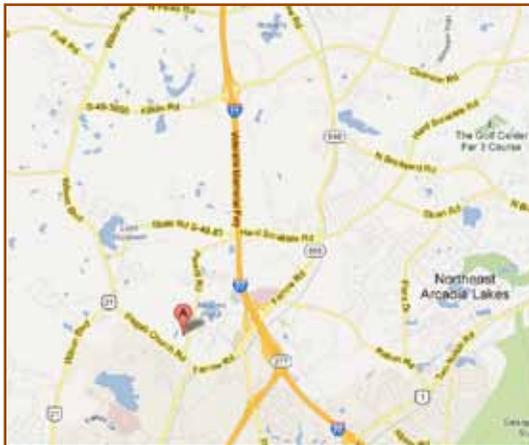
Moving from 2006 to 2009 IECC in Commercial Buildings; A Primer for Designers, Builders, and Code Officials

On January 1, 2013, the 2009 International Energy Conservation Code (IECC) became a requirement in the State of South Carolina, replacing the 2006 version. The South Carolina Energy Office is offering two training classes for architects, engineers and codes officials to help make the transition to the new code compliance. Each class will go into detail about the 2009 IECC and how it relates to the International Building Code and will outline major differences between the 2009 IECC and the 2006 version. The course will also provide an introduction to ASHRAE 90.1-2007, the reference standard cited by the IECC as an additional path to demonstrate energy code compliance. The course will introduce various tools available for use by both the design professional and code official to demonstrate code compliance and to stay abreast of the latest code changes and best practices for design, review and inspection of building construction for IECC compliance. Finally the course will provide a brief discussion of where future editions of energy codes are headed and conclude with a short question and answer session.

Continuing education credit for building code officials (4.5 hours) has been approved by the SC Building Codes Council. AIA and GBCI credits have been applied for through the US Green Building Council-SC Chapter. Thank you to the USGBC-SC for their support of this program. For more information about their programs, visit: <http://www.usgbcsc.org/>



Course Location & Registration Information



Monday April 29, 2013

8:30am-4:30pm

\$15 fee includes box lunch

Midlands Technical College, Northeast Campus

151 Powell Road, Columbia, SC 29203

Registration: <http://www.midlandstech.edu/cce/weatherization>

(click on course schedules on the upper left)

or call the registration desk at 803-732-0432



Tuesday April 30, 2013

8:30am-4:45pm

\$15 fee includes box lunch

Greenville Technical College, Buck Mickel Center

216 South Pleasantburg Drive, Greenville, SC 29607

Registration: <https://aceweb.gvltec.edu/wconnect/ace/CourseStatus.asp?Course=122R0G591010&DirectFrom=Search&Origin=Search+Results>

or call the registration desk at 864-250-8800

Course Outline

- I. Introduction (8:30 AM - 8:45 AM)
- II. History of Building Codes and Energy Codes in SC (8:45 AM - 9:00 AM)
- III. IECC Structure and Format (9:00 AM - 9:30 AM)
- IV. IECC Compliance Paths (9:30 AM - 10:00 AM)
- V. Break (10:00 AM - 10:15 AM)
- VI. Major Differences Between 2009 and 2006 IECC (10:15 AM - 12:00 PM)
- VII. Lunch (12:00 PM - 1:00 PM) *box lunch provided*
- VIII. Relationship between IECC and ASHRAE 90.1 (1:00 PM - 1:30 PM)
- IX. Compliance Tools and Resources (1:30 PM - 2:30 PM)
- X. Break (2:30 PM - 2:45 PM)
- XI. Plan Review Best Practices for IECC Compliance (2:45 PM - 3:30 PM)
- XII. Inspection Best Practices for IECC Compliance (3:30 PM - 4:15 PM)
- XIII. Where codes and high performance building standards may go in the future (4:15 PM - 4:30 PM)
- XIV. Q&A and Discussion (4:30 PM - 4:45 PM)



Course Instructor: M. Dennis Knight, P.E.

Mr. Knight is a practicing Mechanical and Fire Protection Engineer specializing in building energy using systems and high performance building design, construction, operation and maintenance. He founded Whole Buildings Systems, LLC, in 2011 and has over 38 years of experience in the building industry. Prior to starting WBS, Mr. Knight was a Principal and Director of Practice Management for Liollo Architecture in Charleston. He has also owned and managed both a successful engineering firm and a construction company. Mr. Knight's expertise lies in his ability to understand and manage complex facility and campus/district wide design, construction and energy management projects. In the past two years he has conducted energy audits on over 3 million square feet of commercial and industrial facilities and routinely monitors the energy consumption and performance of over 10 million square feet of k-12 school facilities in South Carolina.

Mr. Knight's is a registered professional engineer, LEED AP and LEED EB O&M accredited professional, a Building Performance Institute certified Building Energy Analyst and Envelope Professional, an ACG certified commissioning authority and an ASHRAE certified Building Energy Modeling professional. His in-depth knowledge of whole building design is reflected in his current service to numerous national, state and local entities. He currently serves as the Chair of ASHRAE's energy modeling conference and the former chair of ASHRAE's Research Promotion committee and the former chair of ASHRAE's TC 7.1 committee, that developed the first ASHRAE handbook chapter for "Integrated Building Design". Mr. Knight currently serves as the vice chairman of ASHRAE's Multi-disciplinary Task Group for BIM (Building Information Modeling).

During the past six years Mr. Knight has been as a distinguished lecturer for ASHRAE and has presented seminars and programs to ASHRAE Chapters, the USGBC, the Building Enclosure Council, the AIA and others on such topics as ASHRAE 90.1 compliance, energy modeling, building information modeling, and commissioning energy using systems. He has also been an adjunct professor at the College of Charleston in the Masters of Environmental Science program where he taught energy auditing and greenhouse gas emissions inventory practices and procedures.

Mr. Knight holds a Bachelors of Science in Physics and a minor in Economics from the College of Charleston.