

Building Science & the IECC

Building Science Basics (Part 1) *

October 21, 2020

IECC Requirements + Energy Programs (Part 2) *

November 5, 2020

6:30 p.m. – 8:30 p.m.



Delivered via Zoom Video Conferencing

My investment per class: ~~\$25~~ **FREE**

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Can you answer "yes" to each of these statements?

If a customer or client (or my boss) asked me a question about the IECC 2018 energy code, I would be able to confidently provide an answer.

I have a clear understanding of what "building science" is and how it relates to the "energy efficiency" of buildings.

I am familiar with the seven (7) pathways (at least) to comply with the energy code, which allows me to clearly call out when there are code deficiencies in the homes I inspect.

If you answered **"no"** to one or more of these statements, we can help make it a **"yes"!**

Click this Link to Register with ASHI:

<https://www.azashi.org/edu-events/>

After registering with ASHI, attendees will receive a link to register for the Zoom meeting, and then an email with log-in credentials to join the meeting from any computer and to add to your calendar.

- **Improve your building knowledge** – A stronger understanding of the basics of “building science”, i.e. building details critical to energy efficiency, comfort, durability, and indoor air quality, along with the most important elements of the International Energy Conservation Code (IECC) will help attendees to provide higher quality inspection findings and reports for home buyers.
- **Strengthen your knowledge of the energy code** – There are up to seven possible pathways for homebuilders to comply with the energy code. Increase your understanding of the possible pathways to more accurately call out when there are code related deficiencies in the homes you inspect.
- **Gain an understanding of required tests and inspections** – Learn which energy efficiency tests & inspections are required by code, how they are performed and who is responsible for completing them.
- **Become more familiar with Energy Efficient Programs** – Learn about HERS, ENERGY STAR, and LEED, what the basic requirements are, and how they align with the energy codes.

* Classes are complimentary, but each class can be taken independently of the other.

What others are saying ...

"Daran is absolutely as effective and knowledgeable as anyone I have ever seen in this field. His presentation was awesome!" - Jacky Dixon, One AZ Homes

"Daran is always informative. He is able to open everyone's eyes to energy efficiency concepts. People leave his class thinking of ways to change their own homes, not just the ones they are inspecting or building." - Jordan Dawson, City of Chandler

"Probably the most knowledgeable guy I have ever heard relative to this subject. Great pictures and stories, which are always better than hypothetical ones." - Mark Dorman

"Daran is an amazing speaker with a talent for delivering information that is digestible and entertaining. He has the ability to teach from a different angle with different viewpoints. I would highly recommend anyone in this field to sign up for one of his classes as he is clearly an expert with a passion to teach!" - Brian Tardif, City of Casa Grande

"Daran will not disappoint you. His knowledge and understanding of building science is comprehensive and enlightening. You will leave this training with a thorough understanding of the requirements, application, and how to apply it on the job site." - Randy Westacott, City of Goodyear

"It is the most comprehensive, no-nonsense, high quality presentation I have been to regarding energy codes." - Joe Hernandez, Value Added Code Consulting

"I have known and worked with Daran on dozens of projects for over 10 years and he is a top-notch expert in both building science and energy efficiency concepts. He knows his stuff, but most importantly he has the unique ability to explain complicated concepts in a way that makes it easy to understand. Not many can successfully do that. Daran can!" - Ken Owens Jr., ICF



Daran Wastchak is the President of Learning Edge, LLC, a firm that specializes in residential energy efficiency training and building science consulting. Daran was a key implementer of the EPA's ENERGY STAR for Homes program for more than 20 years. He has helped solve warranty issues for hundreds of homes that did not properly heat or cool, had high utility bills, poor indoor air quality, and/or were uncomfortable. Daran has trained thousands of individuals on the basics of building science, energy efficiency for buildings, energy efficiency programs, and the international energy conservation codes. He holds a bachelor's degree in Construction and master's and doctoral degrees in Public Administration and Policy from Arizona State University.