

How do you navigate energy codes? Exercise: Using the IECC

This assignment will help you explore the IECC and practice looking up requirements. Go to the [IECC 2018 website](#) or use the IECC book, if you have access to one. Pretend you are constructing a new home in the city or town where you are currently living. Using the menu on the left, scroll down to the IECC-Residential Provisions Section.

1. What climate zone do you live in? (Hint: See Chapter 3: General Requirements). What is the humidity level of your climate zone?
2. What are the insulation requirements for the ceiling of your new home? (Ceiling R-Value). Hint: See Section R402 Building Thermal Envelope Table R402.1.2. Don't forget to look at the climate zone!
3. What are the insulation requirements for the walls of your basement?
4. What are the air barrier criteria for crawl space walls? Hint: See Table R402.4.1.1.
5. What are the two exceptions for mandatory duct testing? Hint: See R403.3.3
6. True or false: Whole house mechanical ventilation is required. Hint R403.6.

7. What percentage of installed lighting fixtures must be high-efficiency lamps? (R404.1).