



# Residential Changeout Inspector Standard Certificate

## ANNOUNCEMENT

North Carolina General Assembly [Session Law 2019-174](#) (H675) amended the N.C. Code Officials Qualification Board [General Statute § 143-151.13\(b\)](#) (effective October 1, 2019) to add a sixth standard certificate to the types of qualified Code-enforcement officials:

- (1) Building inspector.
- (2) Electrical inspector.
- (3) Mechanical inspector.
- (4) Plumbing inspector.
- (5) Fire inspector.
- (6) Residential changeout inspector\*

The North Carolina Department of Insurance, Engineering and Codes Division invites those interested in earning a Residential Changeout Inspector Standard Certificate to attend a week-long course at no cost. Each course will be taught 100% online in webinar format via MicroSoft TEAMS or Cisco Webex. After the pilot courses are completed, this certificate program will be delivered through the North Carolina Community Colleges and will no longer be offered at no cost.

Enrollment is limited.

Select a PILOT link below to Pre-Register for an online course (daily schedule attached).

Pre-Registrants will receive additional course information by email.

- [PILOT #3](#) Feb. 5 – 11 (Fri, Mon, Tue, Wed, Thu)
- [PILOT #4](#) Mar. 5 – 11 (Fri, Mon, Tue, Wed, Thu)

Current CEOs will earn 3 CEUs in each of the four trades: Building, Mechanical, Electrical and Plumbing for a maximum allowed of 12 CEUs

To learn more about the Residential Changeout Standard Certificate view the video below:

<https://youtu.be/Hi4g7ERheel>

\*NOTE: Two reasons for this new qualification:

1. Increase the convenience and reduce costs of scheduled inspections for homeowners and contractors by providing a multi-trade certificate for residential HVAC and hot water heater appliance changeouts. One inspector is qualified to perform the final inspection and issue a certificate of compliance for Mechanical, Electrical and Plumbing without needing a Level I in each trade.
2. Unlike other certificates, students MUST attend and pass the course PRIOR to issuance of Probationary Certificate.

## NCDOI/OSFM ENGINEERING DIVISION

### Residential Changeout Inspector Standard Certificate Course – “TYPICAL” DAILY SCHEDULE VARIES

DAY	Friday	Monday	Tuesday	Wednesday	Thursday
TRADE	ORIENTATION	MECHANICAL Day 1	MECHANICAL DAY 2	PLUMBING	ELECTRICAL
8:00 to 8:15	Sign-in	Sign-In	Sign-In	Sign-In	Sign-In
8:15 to 9:20	Introduction to the RCI STD Certificate Course, Website, LOGIN, Navigation, Welcome	Recognize alterations & existing installations Part 1	Recognize duct work sizing & installations	Electric Tank-Type Water Heaters Part 1	Articles 90 & 110
10 Min	Break	Break	Break	Break	Break
9:30 to 10:20	Module 1: RCI Probationary & Standard Certificates	Recognize alterations & existing installations Part 2	Verify fuel gas piping sizing & installations	Electric Tank-Type Water Heaters Part 2	Articles 200 & 210
10 Min	Break	Break	Break	Break	Break
10:30 to 11:50	Module 1: RCI Duties, Scope of Authority, Purchase Code Books	Identify equipment & appliance sizing & listings	Verify vent sizing & installations	Electric Tank-Type Water Heaters Part 3	Articles 240, 250 & 300
12:00 to 12:50	Lunch	Lunch	Lunch	Lunch	Lunch
1:00 to 1:50	Module 2 & 3: Intro to the NC Administrative Code & Resources	Recognize appliance installation, access & locations Part 1	Identify refrigerant piping sizing & installations	Gas, Tank-Type Water Heater Part 1	Articles 310, 330, 334, 338, & 340
10 Min	Break	Break	Break	Break	Break
2:00 to 2:50	Intro to the NC Building Code	Recognize appliance installation, access & locations Part 2	Identify condensate systems & requirements	Gas, Tank-Type Water Heater Part 2	Articles 348, 350, 356
10 Min	Break	Break	Break	Break	Break
3:00 to 3:50	Intro to the Residential Code & Energy, Mechanical, Plumbing	Define combustion air requirements	Define system controls requirements & Verify electrical connections	Gas, Tankless Water Heaters Part 1	Articles 400, 422 & 424
10 Min	Break	Break	Break	Break	Break
4:00 to 5:00	Intro to the National Electrical Code	Recognize ventilation requirements	Verify requirements for carbon monoxide alarms	Gas, Tankless Water Heaters Part 2	Articles 440 & Chapter 9 Tables