



2021 Residential Building Inspector

Course Outline

Cost: \$207, allowing for 120 days of access.

Course Description: This **8-module course**, followed by a two-hour practice examination, is based on Chapters 1 through 10 of the *2021 International Residential Code (IRC)*. It teaches the practical application of the IRC. Each module consists of an integrated video presentation, including presentation slides, explanation, examples, and review quizzes. Modules are designed to be 33 to 61 min. in length.

Course Objectives: This course is designed to prepare you for the *International Code Council's (ICC)* Residential Building Inspector exam (B1), utilizing the *2021 IRC*. This course also serves as a review for those already familiar with the IRC and may serve as an update course for those unfamiliar with the 2021 edition of the code.

Texts and Readings: The *2021 International Residential* is the textbook for this course. It is highly recommended that you purchase a paper-back copy of these codes, which are available online at www.iccsafe.org. A physical copy can be utilized during the actual exams, which are open book, and serves as a valuable reference for in the field inspections.

Course Outline of Topics:

Module:	Topics:	Readings:	Quiz:	Duration:
1	Scope & Administration	IRC Chapter 1	Y	43 min.
2	Building Planning Part I	IRC Chapter 3	Y	34 min.
3	Building Planning Part II	IRC Chapter 3	Y	49 min.
4	Building Planning Part III	IRC Chapter 3	Y	33 min.
5	Building Planning Part IV & Foundations	IRC Chapters 3 & 4	Y	48 min.
6	Foundations & Floors/Decks	IRC Chapters 4 & 5	Y	61 min.
7	Wall Construction & Coverings	IRC Chapter 6 & 7	Y	41 min.
8	Roof/Ceiling Construction; Roof Assemblies; Chimneys & Fireplaces	IRC Chapters 8, 9 & 10	Y	39 min.
	8 Quizzes 104 Questions, 2 min. each	2021 IRC		208 min.
	Practice Exam	2021 IRC		120 min.
	Total Course Hours			11 hours

Quizzes and Exams: Each module associated with this course will be followed by an assessment quiz of varying length. A passing score of 75% is required in order to advance to the next module. At the conclusion of the course is a timed practice exam. The exam is similar in length, content, and duration to the actual ICC exams, with 60 questions selected at random from a larger pool of questions. A passing score of 75% is required in order to obtain a certificate of completion from WC3 for this



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course. Topics in both the exam and the quizzes may or may not have been covered in the video modules. A thorough reading of the code may be necessary in order to progress through this course.

Expectation of Participants: This course requires that you to watch each training video, complete each quiz, as well as the exam. You are expected to read portions of the applicable code and become familiar with its layout and organization. We recommend 2 hours of personal study, for each module. Marking, tabbing, and highlighting in the code book is highly recommended. We have laid out a plan and method to help you learn the material, but it's up to you to put in the work necessary for you to master the material. You can progress through this course at your own pace; however, you only have access for 120 days.

Continuing Education Credits: Completion of this course results in **1.10 CEUs** (11 hours) being provided by ICC, as West Coast Code Consultants is a Preferred Provider.

Instructor:



George Williams, MCP, CBO is the Director of WC3 Academy, but primarily identifies as a commercial plans examiner and building inspector. He has been a building inspector since 2005, has a masters degree in construction management, and has been ICC Master Code Professional since 2009. George has been instrumental in the start-up of multiple building departments including the adoption of codes, implementation of permit processes, development of policies and procedures, as well as the hiring and training of staff.



Chris Kimball, PE, SE, CBO is one of WC3's Vice Presidents. He is a licensed structural engineer, ICC Master Code Professional, Certified Building Official, fire code official, combination plans examiner, and combination building inspector. He has performed plan reviews for thousands of projects throughout the western states. In addition, Chris has provided numerous training classes to help design professionals, building officials, and contractors alike to understand the requirements of the adopted building codes. Chris regularly teaches for ICC and has been involved in assisting ICC with various publications.

