



Hazardous Materials

Course Outline

Course Description: This **7-module** course, followed by a one-hour practice examination, is based on the *2018 International Fire Code (IFC)* and *2018 International Building Code (IBC)*. It teaches the practical application of the IFC and IBC in regard to Hazardous Materials. Each module consists of an integrated video presentation, including presentation slides, explanations, and examples. Modules are designed to be 20 – 55 min. in length.

Course Objectives: This course is designed to teach users general hazardous materials (Haz-Mat) concepts, know how to determine maximum allowable quantities, understand the hazardous materials provisions of both the IFC and the IBC, and understand labeling and communication requirements. When taken in conjunction with WC3 Academy’s Fire Plans Examiner course, it will prepare you for the *International Code Council’s (ICC)* Fire Plans Examiner Exam utilizing the 2018 IFC and IBC. This course can also be taken as a stand-alone course to improve knowledge of hazardous materials, to sharpen plan reviews and field enforcement skills. It also serves as a review for those already familiar with hazardous materials and may serve as an update course for those unfamiliar with the 2018 edition of the codes.

Texts and Readings: The *2018 International Fire Code* and *2018 International Building Code* are the textbooks for this course. It is highly recommended that you purchase a paper-back copy of these codes, which is 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	Introduction	IBC & IFC Chapters 1 & 2	N	24 min.
2	Maximum Allowable Quantity	IBC Chapter 3, IFC Chapter 50	N	42 min.
3	IBC Requirements	IBC Chapters 3, 4, 5, 10, 16 & 17	N	53 min.
4	IFC General Provisions	IFC Chapters 1, 4 & 50	N	46 min.
5	IFC Detailed Provisions	IFC Chapters 51 through 67	N	52 min.
6	IFC Special Occupancies	IFC Chapters 20-39	N	21 min.
7	HMMP & HMIS	IFC Chapters 4, 50 & Appendices	N	19 min.
	<i>Practice Exam</i>	<i>2018 IFC & IBC</i>		<i>60 min.</i>
	Total Course Hours			5.5 hours

Practice Exam: At the conclusion of the course is a timed practice exam. The exam is similar in length, content, and duration as the actual ICC exams. A passing score of 75% is required in order to obtain a certificate of completion from WC3 for this course. Topics in the exam 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.



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Expectation of Participants: This course requires that you to watch each training video and complete and pass the practice exam. You are expected to read portions of the applicable codes, and become familiar with their layout and organization. We recommend 2 hrs. 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: This course results in **.55 CEU's** being provided by ICC, as West Coast Code Consultants is a Preferred Provider.

Instructors:



Chris Kimball, PE, SE, MCP, 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.

