



# IMC/IFGC- Commercial Mechanical Inspector

## Course Outline

**Cost:** \$200, allowing for 120 days of access.

**Course Description:** This 13-module course, followed by a two-hour practice examination, is based on the 2015 *International Mechanical Code (IMC)*, as well as portions of the 2015 *International Fuel Gas Code (IFGC)* including a bonus update module from the 2018 *IMC* and the *IFGC*. It teaches the practical application of the IMC & IFGC. Each module consists of an integrated video presentation, including presentation slides, explanation, examples, and review quizzes. Modules are designed to be 20-40 min. in length.

**Course Objectives:** This course is designed to prepare you for the *International Code Council's (ICC)* Commercial Mechanical Inspector exam, utilizing the 2015 *IMC* & *IFGC*. This course also serves as a review for those already familiar with the IBC, and may serve as an update course for those unfamiliar with the 2015 edition of the code.

**Texts and Readings:** The 2015 *International Mechanical Code*, as well as the 2015 *International Fuel Gas Code* are the textbooks 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](http://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	Administration	IMC Chapters 1 & 2	Y	44 min.
2	General regulations & Heating Systems	IMC Chapters 3 & 10	Y	38 min.
3	Ventilation and Exhaust Systems	IMC Chapters 4 & 5	Y	40 min.
4	Commercial Kitchens	IMC Chapter 5	Y	36 min.
5	Duct Systems	IMC Chapter 6	Y	48 min.
6	Combustion Air	IMC Chapter 7 & IFGC Chapter 3	Y	32 min.
7	Chimneys and Vents	IMC Chapter 8	Y	27 min.
8	Appliances	IMC Chapters 8 & 9	Y	22 min.
9	Refrigeration and Piping	IMC Chapters 11 & 12	Y	29 min.
10	Fuel Oil Systems and Solar Systems	IMC Chapters 13 & 14	Y	16 min.
11	Gas Piping	IFGC Chapter 4	Y	45 min.
12	Gas Chimneys, Vents, and Appliances	IMC Chapter 5 & IFGC Chapter 6	Y	27 min.
13	IMC & IFGC Update	2018 IMC & IFGC Update	Y	54 min.
	14 Quizzes 84 Questions, 2 min. each	2015/2018 IMC & IFGC		168 min.
	Practice Exam	2015 IMC & IFGC		120 min.
	<b>Total Course Hours</b>			<b>12.5 hours</b>



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**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 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 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 hrs. of personal study, for each module. Marking, tabbing, and highlighting in the code book is highly recommended. We have layout 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 mater 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 1.25 CEU's 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.