

# BUILDING CODES INSPECTOR (BCI)

## BCI C100 3 Units (54 lecture hours)

### Introduction to International Building Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

The student will gain insight into building laws founded on broad-based performance principles and will become familiar with the proper use of the International Building Code. This includes administrative, occupancy, types of construction, materials, fire-resistive standards, exiting, and detailed regulating provisions of the document.

## BCI C101 3 Units (54 lecture hours)

### Residential/Construction Blueprint Reading

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

An introduction to residential/commercial construction, this course is designed to provide foundational knowledge and enough practice at reading blueprints to get the student started. It is a guide to understanding the drawings used in the major construction trades, including carpentry, electrical, plumbing, heating, and air conditioning. The course includes information for styles of building from small-scale residential to large-scale commercial.

## BCI C102 3 Units (54 lecture hours)

### California Administrative Code (Title 24)

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

Applies the California Code of Regulations (Title 24) as it pertains to various types of buildings. Special emphasis will be placed on California State energy regulations, building modifications for the disabled for accessibility, and includes an introduction to the California State Green Building codes.

## BCI C103 3 Units (54 lecture hours)

### Non-Structural Provisions of Building Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

A comprehensive course designed to give the student an understanding of the Non-Structural Provisions of the International Building Code. Important aspects of this course are regulation of building areas, heights, location on property, fire-resistance rated materials, fire suppression systems, and the means of egress of buildings.

## BCI C104 3 Units (54 lecture hours)

### Concrete Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

Students who are preparing for a career as a Building Code Inspector or concrete specialty inspection and who want to learn more about code requirements for concrete construction will find this course a major learning asset. Every aspect of construction will have some sort of concrete placement. This fundamental course will provide the student with basic knowledge to apply when moving on to advanced practices and procedures of the concrete industry.

## BCI C105 3 Units (54 lecture hours)

### Framing Requirements of Building Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

This class will concentrate on the International Building Code chapters concerning, wood and steel framing, roofing and reroofing, drywall, stucco, plaster, plastics, soil classification, and foundation investigation.

## BCI C106 3 Units (54 lecture hours)

### Electrical Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

Basic safety and the use of electricity. Includes basic wiring methods used in residential and commercial buildings in conjunction with the latest edition of the National Electrical Code. Application of the principles of inspection to the details of electrical construction.

## BCI C107 3 Units (54 lecture hours)

### Mechanical Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

Interpretation of the Uniform Mechanical Code as it pertains to heating and air conditioning installations; includes venting, heater and air conditioning selection, gas, electrical, and applicable State Green Building codes.

## BCI C108 3 Units (54 lecture hours)

### Plumbing Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

Plumbing code interpretation for inspectors and installers necessary for correct selection of material, sizing of pipe, and installation of conventional and Green Building Plumbing systems.

## BCI C111 3 Units (54 lecture hours)

### International Residential Code

**Grading Mode:** Standard Letter

**Transfer Credit:** CSU.

Comprehensive study of International Residential Code for One and Two-Family Dwellings. Topics include all residential code requirements for building a home according to IRC, including international building, electrical, plumbing, mechanical, and fire codes. Academic experiences are designed to develop skills in noncommercial construction. Field experiences are used when applicable.