

BUILDING CODES TECHNOLOGY (BCT)

BCT C281 1 Unit (90 other hours)

Work Based Learning

Prerequisite(s): Be employed or volunteer in a field related to Building Codes Technology for 5 hours per week per 1 unit of Work Based Learning.

Co-requisite(s): Be enrolled in a total of 7 units including Work Based Learning.

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Building Codes Technology by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Building Codes Technology. Graded or Pass/No Pass option.

BCT C282 2 Units (180 other hours)

Work Based Learning

Prerequisite(s): Be employed or volunteer in a field related to Building Codes Technology for 5 hours per week per 1 unit of Work Based Learning.

Co-requisite(s): Be enrolled in a total of 7 units including Work Based Learning.

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Building Codes Technology by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Building Codes Technology. Graded or Pass/No Pass option.

BCT C283 3 Units (270 other hours)

Work Based Learning

Prerequisite(s): Be employed or volunteer in a field related to Building Codes Technology for 5 hours per week per 1 unit of Work Based Learning.

Co-requisite(s): Be enrolled in a total of 7 units including Work Based Learning.

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Building Codes Technology by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Building Codes Technology. Graded or Pass/No Pass option.

BCT C284 4 Units (240-300 other hours)

Work Based Learning

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Building Codes Technology by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Building Codes Technology. Note: 75 hours of paid work or 60 hours of non-paid work in a field related to Building Codes Technology for each one-semester credit is required. Student must be enrolled in a total of 7 units including Work Based Learning. Graded or Pass/No Pass option.

BCT C300 3 Units (54 lecture hours)

Introduction to International Building Code

Grading Mode: Standard Letter

Not Transferable.

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. Letter grade only.

BCT C301 3 Units (54 lecture hours)

Residential/Construction Blueprint Reading

Grading Mode: Standard Letter

Not Transferable.

An introduction to residential/commercial construction, this course is designed to provide you with foundational knowledge and with enough practice at reading blueprints to get you 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. Letter grade only.

BCT C302 3 Units (54 lecture hours)

California Administrative Code (Title 24)

Grading Mode: Standard Letter

Not Transferable.

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. Letter grade only.

BCT C303 3 Units (54 lecture hours)

Non-Structural Provisions of Building Code

Advisory: BCT C300.

Grading Mode: Standard Letter

Not Transferable.

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. Letter grade only.

BCT C304 3 Units (54 lecture hours)

Concrete Code

Grading Mode: Standard Letter, Pass/No Pass
Not Transferable.

Students who are preparing for a career in Building Code Technology 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 through advanced practices and procedures of the concrete industry. Graded or Pass/No Pass option.

BCT C305 3 Units (54 lecture hours)

Framing Requirements of Building Code

Advisory: BCT C300.

Grading Mode: Standard Letter
Not Transferable.

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. Graded or Pass/No Pass option.

BCT C306 3 Units (54 lecture hours)

Electrical Code

Grading Mode: Standard Letter
Not Transferable.

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. Graded or Pass/No Pass option.

BCT C307 3 Units (54 lecture hours)

Mechanical Code

Grading Mode: Standard Letter, Pass/No Pass
Not Transferable.

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. Graded or Pass/No Pass option.

BCT C308 3 Units (54 lecture hours)

Plumbing Code

Advisory: Knowledge of Building Construction.
Grading Mode: Standard Letter, Pass/No Pass
Not Transferable.

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. Graded or Pass/No Pass option.

BCT C311 3 Units (54 lecture hours)

The International Residential Code

Grading Mode: Standard Letter, Pass/No Pass
Not Transferable.

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. Graded or Pass/No Pass option.