

Certification: Building Codes and Standards



Exam ID: BC

Scope:

The Certified Building Official is responsible for the development, administration, interpretation, application, and enforcement of the codes adopted by their jurisdiction. They will be able to manage their department's budget and the certification and training of inspection staff. They will have an understanding of laws and regulations pertaining to human resources. They will have a thorough knowledge of customer service, develop and maintain effective relationships with all client groups, and be able to effectively communicate with contractors, homeowners, subordinates, superiors, news media, elected officials, and civic organizations.

The Certified Building Official shall be responsible for development and implementation of programs that provide for the review and inspections of all occupancies for, but not limited to, fire and life safety, interior finish, occupancy type, height and area limitations, construction type, and general fire safety, in accordance with Codes and Standards adopted by their respective jurisdictions. The Certified Building Official shall also develop and implement programs for plan review, permitting and enforcement to ensure compliance with adopted Codes and Standards.

- 80 multiple-choice questions
- 2-hour limit
- Open book

01	Architectural Plan Review	31%
0101	<u>Use and Occupancy Classification</u> Determine use and occupancy classification of structures for building code compliance.	4%
0102	<u>Construction Classification</u> Determine required construction classification for code compliance.	4%
0103	<u>Means of Egress Provisions</u> Determine compliance of the means of egress provisions of the structure with the building code.	6%
0104	<u>Light, Ventilation, and Sanitation Provisions</u> Determine compliance with light, ventilation, and sanitation provisions of the structure with the building code.	3%
0105	<u>Fire Resistance and Fire Protection Provisions</u> Determine compliance with fire resistance provisions of the structure with the building code. Determine compliance with fire protection provisions for the structure with the building code.	5%
0106	<u>Accessibility Provisions</u> Determine compliance with provisions for accessibility for the structure with the building code.	5%
0107	<u>Environmental and Natural Hazard Provisions</u> Determine location for risk of, floodplain, seismic, wind, and snow of the structure with the building code.	2%

0108	<u>Special Use/Occupancy Provisions</u> Determine compliance with special use occupancy provisions of the structure with the building	2%
02	Structural Plan Review	13%
0201	<u>Structural Provisions</u> Evaluate building elements for compliance with required structural loads including wind, seismic, soil bearing capacity, and snow loads.	8%
0202	<u>Material Standards and Construction Methods</u> Determine compliance for building materials and required methods of construction.	5%
03	Building Systems Plan Review	19%
0301	<u>Mechanical Provisions</u> Determine compliance with the mechanical and fuel gas code.	4%
0302	<u>Plumbing Provisions</u> Determine compliance with the plumbing code.	4%
0303	<u>Electrical Provisions</u> Determine compliance with the electrical code.	4%
0304	<u>Fuel Gas Provisions</u> Determine compliance with the fuel gas code.	4%
0305	<u>Energy Provisions</u> Determine compliance with the energy code.	3%
04	Field Inspection	37%
0401	<u>Site Inspection</u> Evaluate site for soil conditions, excavation, and public protection with the code and approved	2%
0402	<u>Foundation Inspection</u> Evaluate footings and foundations with the code and approved plans.	4%
0403	<u>Structural Frame Inspection</u> Evaluate structural frame with the code and approved plans.	4%
0404	<u>Building Envelope Inspection</u> Evaluate building envelope, insulation, and finishes with the code and approved plans.	2%
0405	<u>Electrical Inspection</u> Evaluate electrical installation with the code and approved plans.	5%
0406	<u>Plumbing Inspection</u> Evaluation plumbing installation with the code and approved plans.	5%

0407	<u>Mechanical Inspection</u>	4%
	Evaluate mechanical installation with the code and approved plans.	
0408	<u>Fire Protection Inspection</u>	4%
	Evaluate fire protection, smoke control, suppression, and alarm systems with the code and approved plans.	
0409	<u>Final Building Inspection</u>	4%
	Evaluate the completed structure and systems with the code and approved plans.	
0410	<u>Special Inspection</u>	3%
	Evaluate the project for compliance with special inspection requirements.	