

# All levels SLOs achievement Building Codes Technology - Building Codes Technology-Certificate of Achievement during CCC Fall 2012

## SLO Achievement

SLO Text	SLO Level	Course Number	Fully Achieved	Partially Achieved	Failed to Achieve
Interpret and assess the role and responsibilities of the building inspector and implement ethical standards.	C	BCT-C250	95.24 %	0.00 %	4.76 %
Compare and contrast routine and complex code requirements, and determine which codes are performance-based and which are prescriptive-based.	C	BCT-C250	95.24 %	0.00 %	4.76 %
Defend and determine a project area's violations, and surmise the corrective actions.	C	BCT-C250	90.48 %	4.76 %	4.76 %
Correlate, interpret and outline the steps of the building permit process as a means of securing code requirement.	C	BCT-C250	90.48 %	4.76 %	4.76 %
Generate a written report on the routine and complex building inspection from inception to final walk-thru using approved building inspection methods and procedures, and the correct order of operations.	C	BCT-C250	90.48 %	4.76 %	4.76 %
The student will be able to apply practical mathematical electrical Ohm's Law calculations.	C	BCT-C306	84.21 %	0.00 %	15.79 %
The student will be able to use alternating current theory to evaluate different electrical systems.	C	BCT-C306	84.21 %	10.53 %	5.26 %
The student will be able to calculate and size branch circuits and feeders.	C	BCT-C306	94.74 %	0.00 %	5.26 %
The student will be able to formulate an electrical drawing layout.	C	BCT-C306	94.74 %	5.26 %	0.00 %
The student will be able to plan and check an electrical drawing to insure compliance with the N.E.C.	C	BCT-C306	94.74 %	5.26 %	0.00 %
The student will be able to explain the various methods of determining the formulas for calculating various load requirements for residential and commercial building.	C	BCT-C306	94.74 %	5.26 %	0.00 %
The student will be able to differentiate the methods for electrical wiring applicable to residential, commercial and industrial construction.	C	BCT-C306	94.74 %	5.26 %	0.00 %
The student will be able to formulate the method for calculating and utilizing alternating current theory to evaluate different electrical systems.	C	BCT-C306	94.74 %	5.26 %	0.00 %
Demonstrate ability to apply critical thinking and analysis.	I	BCT-C250	95.24 %	0.00 %	4.76 %
Demonstrate ability to apply critical thinking and analysis.	I	BCT-C306	94.74 %	5.26 %	0.00 %
Assess the role and responsibilities of the permit technician and implement ethical standards.	P	BCT-C250	95.24 %	0.00 %	4.76 %
Assess the role and responsibilities of the permit technician and implement ethical standards.	P	BCT-C306	100.00 %	0.00 %	0.00 %
Develop and prepare different documentations required during design and/or construction to achieve the appropriate building compliance.	P	BCT-C306	94.74 %	5.26 %	0.00 %
Examine construction plans and evaluate if minimum code requirements have been met for each occupancy.	P	BCT-C306	100.00 %	0.00 %	0.00 %
Explain the format and performance principle of the Code and develop a working knowledge of the provisions contained in them.	P	BCT-C306	94.74 %	5.26 %	0.00 %
Identify the administrative provisions of the International Residential Code,	P	BCT-C306	94.74 %	5.26 %	0.00 %
Identify the general requirements regulating wiring methods, wall construction and wall coverings, ceiling and roof construction, requirements for mechanical appliances and the installation of plumbing and coolant systems.	P	BCT-C306	94.74 %	5.26 %	0.00 %

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Implement and describe state and local powers in regard to the adoption and administration of building codes, including the limits of those powers.	P	BCT-C306	100.00 %	0.00 %	0.00 %
Recognize the Health and Safety criteria of the Code.	C	BCT-C306	84.21 %	0.00 %	15.79 %
Select the proper type of construction to ensure correct implementation of building code and law.	P	BCT-C306	100.00 %	0.00 %	0.00 %