

Program SLOs

Building Inspection Technology

A.S. – Building Inspection Technology

Certificate of Achievement – Building Inspection Technology, Concrete Construction Inspection, Green Buildings: Environmental Design, Energy Management and Performance Based Construction

Building Inspection Technology Program Student Learning Outcomes From the PrOF 2015 (Program Review) Update

1	Program Student Learning Outcome (P-SLO)	Interpret the model building codes	<ul style="list-style-type: none"> Interpret the model building codes and summarize the origins and evolution of building codes in this country. Identify the origin and organization of the model building codes. Interpret code requirements for plans, permits and inspections. Diagnose code compliance with a minimum of 80% accuracy, congruent with industry certification.
2	Program Student Learning Outcome (P-SLO)	Analyze a set of construction drawings to determine completeness/code compliance	<ul style="list-style-type: none"> Analyze a set of construction drawings to determine completeness and code compliance. Develop a thorough understanding of the organization and purpose of construction drawings. Recognize deficiencies in a set of construction drawings submitted for plan review.
3	Program Student Learning Outcome (P-SLO)	Develop skills and competencies	<ul style="list-style-type: none"> Develop skills and competencies for effective and competitive workforce performance.
4	Program Student Learning Outcome (P-SLO)	Apply specific and measurable career and/or workforce learning objectives	<ul style="list-style-type: none"> Apply specific and measurable career and/or workforce learning objectives through classroom study and independent assignments.
5	Program Student Learning Outcome (P-SLO)	Ensure that the program is consistent with the college SLO's	<ul style="list-style-type: none"> Ensure that the program is consistent with the college SLO's and is providing the students and community with a valuable and meaningful service.

A.S. Building Inspection Technology Certificate-Building Inspection Technology Student Learning Outcomes*

SLO 1 Interpret the model building codes: Interpret the model building codes and summarize the origins and evolution of building codes in this country. Identify the origin and organization of the model building codes. Interpret code

requirements for plans, permits and inspections. Diagnose code compliance with a minimum of 80% accuracy, congruent with industry certification.

SLO 2 Analyze a set of construction drawings to determine completeness/code compliance: Analyze a set of construction drawings to determine completeness and code compliance. Develop a thorough understanding of the organization and purpose of construction drawings. Recognize deficiencies in a set of construction drawings submitted for plan review.

SLO 3 Develop skills and competencies: Develop skills and competencies for effective and competitive workforce performance.

SLO 4 Apply specific and measurable career and /or workforce learning objectives: Apply specific and measurable career and/or workforce learning objective through classroom study and independent assignments.

SLO 5 Ensure that the program is consistent with the college SLO's: Ensure that the program is consistent with the college SLO's and is providing the students and community with a valuable and meaningful service.

Certificate-- Green Buildings: Environmental Design, Energy Management and Performance Based Construction Student Learning Outcomes*

SLO 1 Establish meaningful ethical, social and environmental objectives for buildings and communities based on the values of energy and resource conscious design.

- Compare and contrast societal and economic implications of utilizing renewable and non-renewable energy sources.
- Compare and contrast the effect of contextual issues and evaluate their impact on energy consumption, environment and the beneficial experience of interior and exterior spaces.

SLO 2 Identify and articulate issues related to the choice of various building, landscape and environmental systems; ideate responsive solutions; and compare the alternatives in making effective, sustainable decisions.

- Analyze and calculate energy use to make informed, environmentally-sound and economic choices to satisfy human needs for comfort and aesthetics.
- Explain the concepts of resource conservation and waste reduction and make sustainable design choices related to materials and construction.
- Develop a comprehensive understanding of green rating systems, livable communities' strategies and the ability to apply these concepts in decision-making.

SLO 3 Demonstrate independent learning, teamwork and continuing education habits that will help to encourage a lifelong pursuit of knowledge.

- To use a team work process to identify issues, analyze criteria, research and apply learned principles to synthesize solutions to specific design projects.
- To demonstrate habits of visual note making and independent research by developing a sketch and notebook to record learning.

* Developed through the Curriculum Committee approval process