

Program SLOs

Construction Management Technology

A.S. Degree - Construction Management Technology

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

Construction Management Technology Program Student Learning Outcomes From the 2015 PrOF (Program Review) Update			
1	Program Student Learning Outcome (P-SLO)	Technical Skills	<ul style="list-style-type: none"> Demonstration knowledge and hands-on experience in the basic concepts of all aspects of construction building & management
2	Program Student Learning Outcome (P-SLO)	Problem Solving	<ul style="list-style-type: none"> Demonstrate the ability to logically breakdown aspects of a project and be able to resolve issues in the construction industry.
3	Program Student Learning Outcome (P-SLO)	Communication	<ul style="list-style-type: none"> Demonstrate independent & group learning expressing effective communication skills, both orally & written.
4	Program Student Learning Outcome (P-SLO)	Management	<ul style="list-style-type: none"> Demonstrate a fundamental understanding of a multitude of delivery methods, management practices in the architectural, construction management and contractor fields.
5	Program Student Learning Outcome (P-SLO)	Professional Practice	<ul style="list-style-type: none"> Use techniques, process & tools needed to effectively represent other entities with soft skills, document management, presentation purposes.
6	Program Student Learning Outcome (P-SLO)	General Oversight	<ul style="list-style-type: none"> Demonstrate the ability to understand the larger picture of construction including roles and responsibilities of contractors, subcontractors, architects, consultants, inspectors, construction managers and how to effectively keep current with present technologies of Green & Sustainable building.

Certificate-- Green Buildings Environmental Design, Energy Management and Performance Based Construction Student Learning Outcomes*	
<p>SLO 1 Establish meaningful ethical, social and environmental objectives for buildings and communities based on the values of energy and resource conscious design.</p> <ul style="list-style-type: none"> 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.