



BUILDING INDUSTRY TECHNOLOGY ACADEMY

A program promoted by the
California Homebuilding Foundation

YEAR THREE

Study of Modern Craftsmanship and Infrastructure

The landscape of the built and design industry is ever changing with new regulations and methods of constructing structures that will ultimately lessen the impact of humans on the environment. Sustainability and eco-design is the optimal way of life desired by all societies around the globe. This course will identify ways to conserve resources in construction; select alternative tools and tool maintenance for use in green building; identify alternative practices and methods that take natural resources into account; recycle reduce, or dispose of construction materials.

Students will gain and understanding of what sustainability means, what drives it and how it impacts the built environment and recognize relevant national and international policy, legislation and governance issues, and expected future direction.

They will also understand the latest evidence and thinking on climate change, energy, water, pollution, waste, biodiversity and efficient use of materials within the built environment and appreciate how businesses are changing in order to address sustainability and explore the risks and opportunities this can bring.

They will also begin to perceive the development of housing from the planning stages; land development and procurement, optimal placement for construction and working with natural elements as resources to become zero-net energy.



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 UNIT 5: URBAN PLANNING AND POLICY

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